

**ADDENDUM #2**

ISSUED BY EDiS COMPANY

110 S. POPLAR STREET, WILMINGTON, DE 19801

**The bid due date has changed to Friday May 27, 2016**

**Bids will be received until 3:00 PM on Friday May 27, 2016 at 1798 Limestone Road, Wilmington, DE.**

NOTICE: Attach this addendum to the Project Manual for this project. It modifies and becomes a part of the Contract Documents. Work for materials not specifically mentioned herein are to be as described in the main body of the specifications and as shown on the Drawings. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

**SPECIFICATION REVISIONS:**

- a.) Section 000115 List of Drawings – Replace in its entirety with new section annotated Addendum #2 Dated 5/23/2016
- b.) Section 001113 Advertisement for Bid - Replace in its entirety with new section annotated Addendum #2 Dated 5/23/2016
- c.) Section 004100 Bid Forms - Replace in its entirety with new section annotated Addendum #2 Dated 5/23/2016
- d.) Section 011100 Summary of Work - Replace in its entirety with new section annotated Addendum #2 Dated 5/23/2016
- e.) Section 012300 Alternates - Replace in its entirety with new section annotated Addendum #2 Dated 5/23/2016
- f.) Section 081416 Flush Wood Doors – Insert to Specification Manual.

**DRAWING REVISIONS:**

**Architectural Drawings**

- a.) A3.3 Alternate #1 Plans – Replace in its entirety with new drawing dated 5/13/16.
- b.) A6.1 Storefront Elevations – Door Schedule - Replace in its entirety with new drawing dated 5/13/16.
- c.) A6.2 Alternate #1 Details - Replace in its entirety with new drawing dated 5/13/16.

**Plumbing Drawings**

- a.) P10.7 First Floor Plumbing Plan – Alternate #1 - Replace in its entirety with new drawing dated 5/13/16.

**MISCELLANEOUS INFORMATION:**

- a.) ACM Information
  - 1.) Lewis E.S. First Floor ACM Locations – 4/26/16
  - 2.) Lewis E.S. First Floor Sinks ACM Locations – 4/26/16

- 3.) Lewis E.S. Second Floor ACM Locations – 4/26/16
- b.) Studio Jaed Addendum No. 2 clarification sheet
1. Provide the following changes as the scope of work for new Alternate #2
    - i. Drawing A3.3 - at Part. Demo. Plan "1/3.3", omit work described in Demo. Note "D-9".
    - ii. Drawing A3.3 – At Part. Floor Plan "3/3.3", omit work described in Const. Notes "C-8" and "C-10". Room 110 Toilet becomes Room 110 Storage.
    - iii. Drawing A3.3 – At Part. Floor Fin. Plan "5/3.3", change flooring at Room 110 to VCT. Omit interior elevations 6 thru 8 from Room 110.
    - iv. Drawing P10.7 – At Plumbing Floor Plan "2/10.7", omit fixtures and piping associated with new Toilet 110. Room 110 Toilet becomes Room 110 Storage.
  2. Provide the following changes associated with the revised location of Door D104:
    - i. Drawing A3.3 – At Part. Floor Plan "3/3.3", reconfigure new door opening to miss existing concrete column to remain.
    - ii. Drawing A3.3 – At Part. RCP "4/3.3", reconfigure new ceiling in vestibule at Door D104.
    - iii. Drawing A3.3 – At Part. Floor Fin. Plan "5/3.3", reconfigure new flooring at Door D104.
  3. Drawing A6.1: Omit Storefront Elevation "5-6" shown on original bid documents in error.
  4. Drawing A6.2: At Casework Plan "8/6.2", extend high-counter portion of Reception Desk casework to accommodate reconfigured door D104.

**BID RFI QUESTIONS AND ANSWERS:**

- 1.) Will the bid due date stay the same?

The bid due date will be changed to Friday May 27, 2016.
- 2.) The Bid Bond form for Contract A-02 Mechanical is listed as A-01 Carpentry. Will this be changed?

This has been rectified to reflect the correct contract, A-02 Mechanical.
- 3.) The Bid Bond form for Contract A-03 Electrical is listed as A-01 Carpentry. Will this be changed?

This has been rectified to reflect the correct contract, A-03 Electrical.

SECTION 000115 LIST OF DRAWINGS

DRWG NO.	DRAWING NAME	BID PACK	ISSUE DATE	LATEST REV. DATE
G1.0	COVER SHEET	A	3/9/16	
G1.1	LIFE SAFETY PLAN	A	3/9/16	
A3.1	BASEMENT FLOOR PLAN	A	3/9/16	
A3.2	FIRST FLOOR PLAN	A	3/9/16	
A3.3	ALTERNATE 1 PLANS	A	3/9/16	5/13/16
A6.1	STOREFRONT ELEVATIONS - DOOR SCHEDULE	A	3/9/16	5/13/16
A6.2	ALTERNATE #1 DETAILS	A	3/9/16	5/13/16
M8.0	MECHANICAL COVER SHEET	A	3/9/16	
M8.1	FIRST FLOOR MECHANICAL PLAN	A	3/9/16	
M8.2	FIRST FLOOR MECHANICAL PLAN - ALTERNATE 1	A	3/9/16	
M8.3	ROOF MECHANICAL PLAN	A	3/9/16	
M8.4	ROOF MECHANICAL PLAN - ALTERNATE 1	A	3/9/16	
M8.5	MECHANICAL SCHEDULES	A	3/9/16	
E9.0	ELECTRICAL COVER SHEET	A	3/9/16	
E9.1	BASEMENT ELECTRICAL DEMOLITION PLAN	A	3/9/16	
E9.2	FIRST FLOOR ELECTRICAL DEMOLITION PLAN	A	3/9/16	
E9.3	SECOND FLOOR ELECTRICAL DEMOLITION PLAN	A	3/9/16	
E9.4	BASEMENT ELECTRICAL PLAN	A	3/9/16	
E9.5	FIRST FLOOR ELECTRICAL PLAN	A	3/9/16	
E9.6	FIRST FLOOR ELECTRICAL PLAN - ALTERNATE 1	A	3/9/16	
E9.7	SECOND FLOOR ELECTRICAL PLAN	A	3/9/16	
E9.8	FIRST FLOOR ELECTRICAL LIGHTING PLAN	A	3/9/16	
E9.9	ROOF ELECTRICAL PLAN	A	3/9/16	
E9.10	ROOF ELECTRICAL PLAN - ALTERNATE 1	A	3/9/16	
E9.11	ELECTRICAL PANEL SCHEDULES & SINGLE LINE DIAGRAMS	A	3/9/16	
P10.0	PLUMBING COVER SHEET	A	3/9/16	
P10.1	BASEMENT PLUMBING DEMOLITION PLAN	A	3/9/16	
P10.2	FIRST FLOOR PLUMBING DEMOLITION PLAN	A	3/9/16	
P10.3	SECOND FLOOR PLUMBING DEMOLITION PLAN	A	3/9/16	

Red Clay Consolidated School District  
Capital Improvements  
Lewis Elementary School  
Bid Pack A  
January 25, 2016

Addendum #2  
23 May 2016

P10.4	BASEMENT PLUMBING PLAN	A	3/9/16	
P10.5	FIRST FLOOR PLUMBING PLAN	A	3/9/16	
P10.6	SECOND FLOOR PLUMBING PLAN	A	3/9/16	
P10.7	FIRST FLOOR PLUMBING PLAN ALTERNATE #1	A	3/9/16	5/13/16
FP11.1	FIRE PROTECTION PLAN - ALTERNATE #1	A	3/9/16	

END OF SECTION

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SECTION 001113 ADVERTISEMENT FOR BID

Receipt of Bids

Public notice is hereby given that sealed bids for the following prime contracts will be received for the construction of Lewis Elementary School Capital Improvements located at 920 North Van Buren Street, Wilmington, DE 19806. Bids will be received at the **Red Clay Consolidated School District, 1798 Limestone Road, Wilmington, DE** until 3:00 PM local time on May 27, 2016 which time they will be publicly opened and read aloud. *Bidder bears the risk of late delivery. Any bids received after the stated time will be returned unopened.* The time and location of the bid opening may be extended with a minimum of 2 calendar days notice to the Bidders.

Contract A-01 Carpentry  
Contract A-02 Mechanical and Plumbing  
Contract A-03 Electrical

Bidding Document

Documents may be viewed and downloaded at EDiS' FTP site. Bidders requesting the log on information may obtain user name and password permission by contacting Cyndi Slothour with EDiS Company at [cslothour@ediscompany.com](mailto:cslothour@ediscompany.com) or 302-421-2882. Each contractor will be required to provide the following information prior to receiving the log on information: company name, contact name, email address, phone number, fax number and postal mailing address.

It is the responsibility of each bidder to review and coordinate all Project Documents. This includes plans, specifications and addendums. Documents may be examined on the State of Delaware Online Bid Solicitation Directory, [bids.delaware.gov](http://bids.delaware.gov), or at the office of the Construction Manager, EDIS Company, 110 S. Poplar Street, Suite 400, Wilmington, Delaware 19801

Bid Security

A bid security in the amount of 10% of the bid including all alternates, plus a consent of surety must accompany each bid. Bid Security shall specify the Owner as the obligee. Owner: Red Clay Consolidated School District, 1502 Spruce Avenue, Wilmington, Delaware 19805.

Pre-Bid Meeting

A pre-bid meeting will be held at the Lewis Elementary School, 920 North Van Buren Street, Wilmington, DE 19806, on **Tuesday May 12, 2016 at 10:00 A.M.** local time. A site visit will be conducted immediately following the pre-bid meeting. Attendance is highly suggested but not mandatory.

Questions

Please contact EDiS Company, Daniel Lyons at [dlyons@ediscompany.com](mailto:dlyons@ediscompany.com) or 302-421-2986 with questions.

Conformance to the Delaware Architectural Accessibility Act and the standards of the Architectural Accessibility Board is required on the Project.

Prevailing Wage Rates, as described by Delaware Law, must be adhered to where applicable.

The Red Clay Consolidated School District reserves the right to waive irregularities and to reject any and all bids.

Pursuant to the Office of Management and Budget (OMB) "4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects" requires that Contractors and Subcontractors who work on Large Public Works Contracts funded all or in part with public funds implement a Mandatory Drug Testing Program. The regulation can be downloaded from the following website:

<http://regulations.delaware.gov/AdminCode/title19/4000/4100/index.shtml#TopOfPage>

END OF SECTION

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CONTRACT A-01 Carpentry

BID FORM

For Bids Due: \_\_\_\_\_ To: Red Clay Consolidated School District  
1502 Spruce Avenue  
Wilmington, Delaware 19805

Name of Bidder: \_\_\_\_\_

Bidder Address: \_\_\_\_\_  
\_\_\_\_\_

Contact Name: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

Delaware Business License No.: \_\_\_\_\_ Taxpayer ID No.: \_\_\_\_\_

(Other License Nos.): \_\_\_\_\_

Phone No.: ( ) \_\_\_\_\_ - \_\_\_\_\_ Fax No.: ( ) \_\_\_\_\_ - \_\_\_\_\_

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

\$ \_\_\_\_\_ (\$ \_\_\_\_\_ )

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ALTERNATES (Bidders must review Section 012300 Alternates for a complete description of alternates)

Alternate No. 1: Renovation of office spaces

Add/Deduct \_\_\_\_\_ (\$ \_\_\_\_\_)

Alternate No. 2: Room 110 to be storage room as part of Alt #1, Restroom is deleted.

Add/Deduct \_\_\_\_\_ (\$ \_\_\_\_\_)

Alternate No. 3: Alternate No. 3: Room 210T Toilet Scope.

Add/Deduct \_\_\_\_\_ (\$ \_\_\_\_\_)

UNIT PRICES

Unit prices conform to applicable project specification section. Refer to the specifications for a complete description of the following Unit Prices:

ADD

1. Install and removal of temporary dust/security wall with double doors roughly seven (7) feet long and Twelve (12) feet in height.

\_\_\_\_\_

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

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

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

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

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

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contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

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

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

By \_\_\_\_\_ Trading as \_\_\_\_\_  
(Individual's / General Partner's / Corporate Name)  
\_\_\_\_\_  
(State of Corporation)

Business Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Witness: \_\_\_\_\_ By: \_\_\_\_\_  
(SEAL) ( Authorized Signature )  
\_\_\_\_\_  
( Title )  
Date: \_\_\_\_\_

ATTACHMENTS

- Sub-Contractor List
- Non-Collusion Statement
- Bid Bond
- Consent of Surety
- Affidavit of Employee Drug Testing Program  
(Others as Required by Project Manuals)

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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.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City &amp; State)</u>	<u>Subcontractor's Tax Payer ID # or DE Business License #</u>
1      Carpentry	_____	_____	_____

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NON-COLLUSION STATEMENT

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

All the terms and conditions of \_\_\_\_\_ 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 \_\_\_\_\_ 20\_\_\_\_.

My Commission expires \_\_\_\_\_. NOTARY PUBLIC \_\_\_\_\_.

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

**BID BOND**

TO ACCOMPANY PROPOSAL  
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: \_\_\_\_\_ of  
\_\_\_\_\_ in the County of \_\_\_\_\_ and State of \_\_\_\_\_ as  
Principal, and \_\_\_\_\_ of \_\_\_\_\_ in the County of \_\_\_\_\_  
\_\_\_\_\_ and State of \_\_\_\_\_ as Surety, legally authorized to do business in the State of Delaware  
("State"), are held and firmly unto the Red Clay Consolidated School District in the sum of \_\_\_\_\_  
\_\_\_\_\_ Dollars (\$ \_\_\_\_\_), or percent not to exceed \_\_\_\_\_  
\_\_\_\_\_ Dollars (\$ \_\_\_\_\_) of amount of bid on Contract No. A-01 Carpentry & General Work  
to be paid to the Red Clay Consolidated School District for the use and benefit of the Red Clay Consolidated School  
District for which payment well and truly to be made, we do bind ourselves, our and each of our heirs, executors,  
administrators. and successors, jointly and severally for and in the whole firmly by these presents.

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

Sealed with \_\_\_\_\_ seal and dated this \_\_\_\_ day of \_\_\_\_\_ in the year of our Lord two thousand  
and \_\_\_\_\_ (20\_\_).

SEALED, AND DELIVERED IN THE PRESENCE OF

\_\_\_\_\_  
Name of Bidder (Organization)

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

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CONSENT OF SURETY

DATE \_\_\_\_\_

To:

Gentlemen:

We, the \_\_\_\_\_

\_\_\_\_\_  
(Surety Company's Address)

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

\_\_\_\_\_  
(Contractor)

\_\_\_\_\_  
(Address)

\_\_\_\_\_  
is awarded the Contract No. \_\_\_\_\_

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

\_\_\_\_\_  
(Surety Company)

By \_\_\_\_\_  
(Attorney-in-Fact)

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**AFFIDAVIT  
OF  
EMPLOYEE DRUG TESTING PROGRAM**

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

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

**Contractor/Subcontractor Name:** \_\_\_\_\_

**Contractor/Subcontractor Address:** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

**Authorized Representative (typed or printed):** \_\_\_\_\_

**Authorized Representative (signature):** \_\_\_\_\_

**Title:** \_\_\_\_\_

Sworn to and Subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

My Commission expires \_\_\_\_\_. NOTARY PUBLIC \_\_\_\_\_.

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

END OF SECTION

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CONTRACT A-02 Mechanical and Plumbing

BID FORM

For Bids Due: \_\_\_\_\_ To: Red Clay Consolidated School District  
1502 Spruce Avenue  
Wilmington, Delaware 19805

Name of Bidder: \_\_\_\_\_

Bidder Address: \_\_\_\_\_  
\_\_\_\_\_

Contact Name: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

Delaware Business License No.: \_\_\_\_\_ Taxpayer ID No.: \_\_\_\_\_

(Other License Nos.): \_\_\_\_\_

Phone No.: ( ) \_\_\_\_\_ - \_\_\_\_\_ Fax No.: ( ) \_\_\_\_\_ - \_\_\_\_\_

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

\$ \_\_\_\_\_ (\$ \_\_\_\_\_ )

ALTERNATES (Bidders must review Section 012300 Alternates for a complete description of alternates)

Alternate No. 1: Renovation of office spaces

Add/Deduct \_\_\_\_\_ (\$ \_\_\_\_\_ )

Alternate No. 2: Room 110 to be storage room as part of Alt #1, Restroom is deleted.

Add/Deduct \_\_\_\_\_ (\$ \_\_\_\_\_ )

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Alternate No. 3: Alternate No. 3: Room 210T Toilet Scope.

Add/Deduct \_\_\_\_\_ (\$ \_\_\_\_\_)

UNIT PRICES

Unit prices conform to applicable project specification section. Refer to the specifications for a complete description of the following Unit Prices:

	ADD
1. Install and removal of temporary dust/security wall with double doors roughly seven (7) feet long and Twelve (12) feet in height.	_____

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

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

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

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

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

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By \_\_\_\_\_ Trading as \_\_\_\_\_  
(Individual's / General Partner's / Corporate Name)  
\_\_\_\_\_  
(State of Corporation)

Business Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Witness: \_\_\_\_\_ By: \_\_\_\_\_  
(SEAL) ( Authorized Signature )  
\_\_\_\_\_  
( Title )  
Date: \_\_\_\_\_

ATTACHMENTS

- Sub-Contractor List
- Non-Collusion Statement
- Bid Bond
- Consent of Surety
- Affidavit of Employee Drug Testing Program
- (Others as Required by Project Manuals)

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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.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City &amp; State)</u>	<u>Subcontractor's Tax Payer ID # or DE Business License #</u>
1. Mechanical	_____	_____	_____
2. Plumbing	_____	_____	_____
3. Controls	_____	_____	_____

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NON-COLLUSION STATEMENT

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

All the terms and conditions of \_\_\_\_\_ 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 \_\_\_\_\_ 20\_\_\_\_.

My Commission expires \_\_\_\_\_. NOTARY PUBLIC \_\_\_\_\_.

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

**BID BOND**

TO ACCOMPANY PROPOSAL  
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: \_\_\_\_\_ of  
\_\_\_\_\_ in the County of \_\_\_\_\_ and State of \_\_\_\_\_ as  
Principal, and \_\_\_\_\_ of \_\_\_\_\_ in the County of \_\_\_\_\_  
\_\_\_\_\_ and State of \_\_\_\_\_ as Surety, legally authorized to do business in the State of Delaware  
("State"), are held and firmly unto the Red Clay Consolidated School District in the sum of \_\_\_\_\_  
\_\_\_\_\_ Dollars (S \_\_\_\_\_), or percent not to exceed \_\_\_\_\_  
\_\_\_\_\_ Dollars (S \_\_\_\_\_) of amount of bid on Contract No. A-02 Mechanical & Plumbing to  
be paid to the Red Clay Consolidated School District for the use and benefit of the Red Clay Consolidated School District  
for which payment well and truly to be made, we do bind ourselves, our and each of our heirs, executors, administrators,  
and successors, jointly and severally for and in the whole firmly by these presents.

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

Sealed with \_\_\_\_\_ seal and dated this \_\_\_ day of \_\_\_\_\_ in the year of our Lord two thousand  
and \_\_\_\_\_ (20\_\_).

SEALED, AND DELIVERED IN THE PRESENCE OF

\_\_\_\_\_  
Name of Bidder (Organization)

Corporate  
Seal

By: \_\_\_\_\_  
Authorized Signature

Attest \_\_\_\_\_

\_\_\_\_\_  
Title

Witness \_\_\_\_\_

\_\_\_\_\_  
Name of Surety

\_\_\_\_\_  
Title

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CONSENT OF SURETY

DATE \_\_\_\_\_

To:

Gentlemen:

We, the \_\_\_\_\_

\_\_\_\_\_  
(Surety Company's Address)

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

\_\_\_\_\_  
(Contractor)

\_\_\_\_\_  
(Address)

is awarded the Contract No. \_\_\_\_\_

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

\_\_\_\_\_  
(Surety Company)

By \_\_\_\_\_  
(Attorney-in-Fact)

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**AFFIDAVIT  
OF  
EMPLOYEE DRUG TESTING PROGRAM**

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

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

**Contractor/Subcontractor Name:** \_\_\_\_\_

**Contractor/Subcontractor Address:** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

**Authorized Representative (typed or printed):** \_\_\_\_\_

**Authorized Representative (signature):** \_\_\_\_\_

**Title:** \_\_\_\_\_

Sworn to and Subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

My Commission expires \_\_\_\_\_. NOTARY PUBLIC \_\_\_\_\_.

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

END OF SECTION

CONTRACT A-03 Electrical

BID FORM

For Bids Due: \_\_\_\_\_ To: Red Clay Consolidated School District  
1502 Spruce Avenue  
Wilmington, Delaware 19805

Name of Bidder: \_\_\_\_\_

Bidder Address: \_\_\_\_\_  
\_\_\_\_\_

Contact Name: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

Delaware Business License No.: \_\_\_\_\_ Taxpayer ID No.: \_\_\_\_\_

(Other License Nos.): \_\_\_\_\_

Phone No.: ( ) \_\_\_\_\_ - \_\_\_\_\_ Fax No.: ( ) \_\_\_\_\_ - \_\_\_\_\_

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

\$ \_\_\_\_\_ (\$ \_\_\_\_\_ )

ALTERNATES (Bidders must review Section 012300 Alternates for a complete description of alternates)

Alternate No. 1: Renovation of office spaces

Add/Deduct \_\_\_\_\_ (\$ \_\_\_\_\_ )

Alternate No. 2: Room 110 to be storage room as part of Alt #1, Restroom is deleted.

Add/Deduct \_\_\_\_\_ (\$ \_\_\_\_\_ )

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Alternate No. 3: Alternate No. 3: Room 210T Toilet Scope.

Add/Deduct \_\_\_\_\_ (\$ \_\_\_\_\_)

UNIT PRICES

Unit prices conform to applicable project specification section. Refer to the specifications for a complete description of the following Unit Prices:

ADD

1. Install and removal of temporary dust/security wall with double doors roughly seven (7) feet long and Twelve (12) feet in height. \_\_\_\_\_

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

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

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

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

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

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

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

---

By \_\_\_\_\_ Trading as \_\_\_\_\_  
(Individual's / General Partner's / Corporate Name)  
\_\_\_\_\_  
(State of Corporation)

Business Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Witness: \_\_\_\_\_ By: \_\_\_\_\_  
(SEAL) ( Authorized Signature )  
\_\_\_\_\_  
( Title )  
Date: \_\_\_\_\_

ATTACHMENTS

- Sub-Contractor List
- Non-Collusion Statement
- Bid Bond
- Consent of Surety
- Affidavit of Employee Drug Testing Program
- (Others as Required by Project Manuals)

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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.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City &amp; State)</u>	<u>Subcontractor's Tax Payer ID # or DE Business License #</u>
1. Electrical	_____	_____	_____

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NON-COLLUSION STATEMENT

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

All the terms and conditions of \_\_\_\_\_ 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 \_\_\_\_\_ 20\_\_\_\_.

My Commission expires \_\_\_\_\_. NOTARY PUBLIC \_\_\_\_\_.

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

**BID BOND**

TO ACCOMPANY PROPOSAL  
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: \_\_\_\_\_ of  
\_\_\_\_\_ in the County of \_\_\_\_\_ and State of \_\_\_\_\_ as  
Principal, and \_\_\_\_\_ of \_\_\_\_\_ in the County of \_\_\_\_\_  
\_\_\_\_\_ and State of \_\_\_\_\_ as Surety, legally authorized to do business in the State of Delaware  
(“State”), are held and firmly unto the Red Clay Consolidated School District in the sum of \_\_\_\_\_  
\_\_\_\_\_ Dollars (S \_\_\_\_\_), or percent not to exceed \_\_\_\_\_  
\_\_\_\_\_ Dollars (S \_\_\_\_\_) of amount of bid on Contract No. A-03 Electrical to be paid to the  
Red Clay Consolidated School District for the use and benefit of the Red Clay Consolidated School District for which  
payment well and truly to be made, we do bind ourselves, our and each of our heirs, executors, administrators. and  
successors, jointly and severally for and in the whole firmly by these presents.

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

Sealed with \_\_\_\_\_ seal and dated this \_\_\_ day of \_\_\_\_\_ in the year of our Lord two thousand  
and \_\_\_\_\_ (20\_\_).

SEALED, AND DELIVERED IN THE PRESENCE OF

\_\_\_\_\_  
Name of Bidder (Organization)

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

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CONSENT OF SURETY

DATE \_\_\_\_\_

To:

Gentlemen:

We, the \_\_\_\_\_

\_\_\_\_\_  
(Surety Company's Address)

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

\_\_\_\_\_  
(Contractor)

\_\_\_\_\_  
(Address)

is awarded the Contract No. \_\_\_\_\_

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

\_\_\_\_\_  
(Surety Company)

By \_\_\_\_\_  
(Attorney-in-Fact)

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**AFFIDAVIT  
OF  
EMPLOYEE DRUG TESTING PROGRAM**

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

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

**Contractor/Subcontractor Name:** \_\_\_\_\_

**Contractor/Subcontractor Address:** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

**Authorized Representative (typed or printed):** \_\_\_\_\_

**Authorized Representative (signature):** \_\_\_\_\_

**Title:** \_\_\_\_\_

Sworn to and Subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

My Commission expires \_\_\_\_\_. NOTARY PUBLIC \_\_\_\_\_.

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

END OF SECTION

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SECTION 011100 - SUMMARY OF WORK

1. RELATED DOCUMENTS

1.1 Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Sections, apply to work of this Section.

2. CONTRACTS

2.1 The work will be performed under separate prime contracts managed by the Construction Manager.

3. ALTERATIONS & COORDINATION

3.1 Contractor shall be responsible to coordinate their work with the work of others, including, but not limited to, the preparation of general coordination drawings, diagrams and schedules, and control of site utilization, from the beginning of activity, through project close-out and warranty periods.

4. KNOWLEDGE OF CONTRACT REQUIREMENTS

4.1 The Contractor and his Subcontractors, Sub-subcontractors and material men shall consult in detail the Contract Documents for instructions and requirements pertaining to the Work, and at his and their cost, shall provide all labor, materials, equipment and services necessary to furnish, install and complete the work in strict conformance with all provisions thereof.

4.2 The Contractor will be held to have examined the site of the Work prior to submitting his proposal and informed himself, his Subcontractors, Sub-subcontractors and material men of all existing conditions affecting the execution of the Work.

4.3 The Contractor will be held to have examined the Contract Documents and modifications thereto, as they may affect subdivisions of the Work and informed himself, his Subcontractors, Sub-subcontractors and material men of all conditions thereof affecting the execution of the Work.

4.4 The Scope of Work for the Contract is not necessarily limited to the description of each section of the Specifications and the illustrations shown on the Drawings. Include all minor items not expressly indicated in the Contract Documents, or as might be found necessary as a result of field conditions, in order to complete the Work as it is intended, without any gaps between the various subdivisions of work.

4.5 The Contractor will be held to be thoroughly familiar with all conditions affecting labor in the area of the Project including, but not limited to, Unions, incentive pay, procurements, living,

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parking and commuting conditions and to have informed his Subcontractors and Sub-subcontractors thereof.

5. CONTRACT DOCUMENTS INFORMATION

- 5.1 The Contract Documents are prepared in accordance with available information as to existing conditions and locations. If, during construction, conditions are revealed at variance with the Contract Documents, notify the Construction Manager immediately, but no more than three (3) days from the day the variance is first known. Failure to give timely notice shall operate to waive any claim Contractor might otherwise have for an adjustment to Contract Time or Sum as a consequence of such variance.
- 5.2 The Specifications determine the kinds and methods of installation of the various materials, the Drawings establish the quantities, dimensions and details of materials, the schedules on the Drawings give the location, type and extent of the materials.
- 5.3 Dimensions given on the Drawings govern scale measurements and large scale drawings govern small scale drawings, except as to anything omitted unless such omission is expressly noted on the large scale drawings.
- 5.4 The techniques or methods of specifying to record requirements varies throughout text, and may include "prescriptive", "open generic/descriptive", "compliance with standards", "performance", "proprietary", or a combination of these. The methods used for specifying one unit of work has no bearing on requirements for another unit of work.
- 5.5 Whenever a material, article or piece of equipment is referred to in the singular number in the Contract Documents, it shall be the same as referring to it in the plural. As many such materials, articles or pieces of equipment shall be provided as are required to complete the Work.
- 5.6 Whenever a material, article or piece of equipment is specified by reference to a governmental, trade association of similar standard, it shall comply with the requirements of the latest publication thereof and amendments thereto in effect on the bid date.
- 5.7 In addition to the requirements of the Contract Documents, Contractor's work shall also comply with applicable standards of the construction industry and those industry standards are made a part of Contract Documents by reference, as if copied directly into Contract Documents, or as if published copies were bound herein.
- 5.8 Where compliance with two (2) or more industry standards, contract requirements, or sets of requirements is specified, and overlapping of those different standards or requirements establishes different or conflicting minimums or levels of quality, then the most stringent requirements, which are generally recognized to be also the most costly, is intended and will

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be enforced, unless specifically detailed language written into the Contract Documents clearly indicates that a less stringent requirement is to be fulfilled. Refer apparently equal but different requirements, and uncertainties as to which level of quality is more stringent, to Architect for decision before proceeding.

5.9 Reference standards referenced directly in Contract Documents or by governing regulations have precedence over non-reference standards which are recognized in industry for applicability of work.

5.10 Contractor's bid is based on the complete set of Contract Documents including documents not specifically issued as part of the bid pack but referenced in same.

6. SCOPE OF WORK/GENERAL INFORMATION

6.1 A Scope of Work for each contract to be awarded on the project follows in this section. When a Contract has been awarded to a Contractor, the successful Contractor will be listed after the title of the Contract. When no Contract has yet been awarded, no Contractor's name will be listed. Previous Scopes of Work include addendum changes.

6.2 Contractor is responsible for performing the work listed in the Summary of Work for his contract. Contractor is also responsible for knowing the work that has been assigned to preceding contracts. No additional compensation or extension of time will be allowed a Contractor due to his ignorance of the work assigned to his Contract or to other contracts which may affect his work. The Contractor is responsible, however, for all items which are covered in the Specifications and Drawings relating to their Contract if not specifically mentioned in the Summary of Work.

6.3 The Construction Manager will provide on site a source for temporary electric, temporary water and portable sanitation facilities only. It is each Contractor's responsibility to make the necessary connections, including all material for temporary electric and water. Please note that utility charges for office trailers will be the responsibility of the individual Contractors.

6.4 A dumpster will be provided on site for free use by Contractors to dispose of non-hazardous, common, work-related refuse. Clean-up is the responsibility of each Contractor. Clean up shall be performed on a daily basis. Contractors not complying will be advised in writing and back charged for all costs associated with the clean up of their work.

6.5 Contractors are reminded that there are limited storage areas available on site. Off site storage will be the responsibility of each individual Contractor.

6.6 Office trailer permits off site will be the responsibility of each individual Contractor. On site Contractor's field offices, one (1) per Contractor, if required, will be located as directed by the Construction Manager.

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- 6.7 Contractor will be prepared to discuss and submit a detailed project schedule seven (7) days after receipt of Notice to Proceed and to begin its submittal process. The Project Schedule is an integral part of this contract. Certain construction sequences and priorities must take place in order to meet the target dates. Concentrated work periods will occur and each Contractor is responsible to staff the project as required by the current Construction Schedule or as directed by the Construction Manager. Contractor will cooperate with the Construction Manager in planning and meeting the required sequences of work and Project Schedule as periodically updated by the Construction Manager.
  - 6.8 All bids must include insurance limits in accordance with Article 11 of the Section 007300 SUPPLEMENTARY CONDITIONS.
  - 6.9 Hoisting, scaffolding and material handling is the responsibility of each Contractor, unless otherwise noted.
  - 6.10 Contractor will be responsible for layout of its own work. The Construction Manager will provide benchmark and layout of the building line.
  - 6.11 Contractor will be responsible to keep clean public roadways soiled by construction traffic on a daily basis. If cleaning is not done, the Construction Manager may perform the cleaning on an overtime basis and backcharge the Contractor responsible.
  - 6.12 Contractor Scopes of Work and Schedule are interrelated. Familiarity with each is required.
  - 6.13 The Construction Manager will provide testing services for soil, concrete and steel. Other testing as required by the Contract Documents will be in accordance with the technical specifications and/or the individual scope of work. Refer to Specification Section 004500 - QUALITY CONTROL.
  - 6.14 Safety is the responsibility of each individual Contractor. The project will be governed under the guidelines of OSHA.
  - 6.15 Inter-Contractor shop drawing distribution will be performed by the Construction Manager. Contractor is individually responsible for either coordinating his work with these distributed drawings or notifying the Construction Manager, in writing, of any discrepancies.
  - 6.16 Coordination with other trades will be required. The Contractor will be required to attend periodic coordination meetings with other trades where requirements, conflicts and coordination issues will be discussed and resolved. Attendance when requested will be mandatory. If inter-Contractor coordination is not satisfactorily performed, the conflicting Contractors shall mutually share the cost to relocate and/or reinstall their work.

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- 6.17 Contractor shall submit a schedule of values to the Construction Manager prior to the submission of their first invoice for approval on AIA G702/CMa, Application for Payment and G703, Continuation Sheet.
- 6.18 Contractor is expected to review and coordinate its Work with the complete set of Contract Documents, including all items noted as by his trade whether or not shown on that particular set of drawings. Documents are available at the site for review.
- 6.19 Contractor is responsible for obtaining all necessary permits required for his work, including street permits. Unless otherwise noted, building permit shall be secured by the Construction Manager. Any subcontractor who will be restricting access to street, right of way or adjacent property must notify the Construction Manager 48 hours in advance.
- 6.20 Contractor's License: Submit a copy of all business licenses required by local and state agencies.
- 6.21 Contractor shall absorb, without additional compensation, any and all costs of working beyond normal hours to maintain job progress in accordance with the current construction schedule.
- 6.22 No asbestos or PCB's in or on any material or equipment will be accepted or allowed on this project. All hazardous materials will be treated in accordance with all State and Federal regulations.
- 6.23 Daily clean up of the work is the responsibility of each individual Contractor which includes broom cleaning of their debris as required. Contractor will be individually back charged by the Construction Manager for clean up not satisfactorily performed by the Contractor.
- 6.24 In the event asbestos is uncovered, the Contractor shall notify the Construction Manager of the areas requiring removal of asbestos. The Construction Manager shall then coordinate the removal with the Owner.
- 6.25 This project is to be constructed adjacent to and in existing buildings. Contractor shall exercise all due precautions to minimize noise, air pollution and any other construction hazards which in any way would cause discomfort or danger to the occupants of the existing building in the area.
- 6.26 Existing mechanical, electrical, plumbing, sprinkler, medical gas, fire alarm, etc. systems will be shut off and locked out by the Owner as required by the Work. Tie-in's and modifications to those systems will be performed by the specific Contractor associated with the work as indicated in the Contract Documents. Re-energizing and re-start up of all systems should be performed by the Owner.

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- 6.27 The Safety Cable System shall not be altered or removed without a written request submitted to the Project Manager with a copy to the Field Manager. It shall be the responsibility of each and every Contractor that is removing or altering the Safety Cable System to maintain the fall protection safety provided by the safety cable and not leave the area unprotected. Each and every Contractor shall be responsible to re-install the Safety Cable System immediately after work is completed. Each and every Contractor shall be responsible to re-install the Safety Cable System in accordance to OSHA standards.
- 6.28 Normal work hours for this project are from 7:00 a.m. to 3:30 p.m. Any work to be performed outside of these hours must receive prior approval from the Construction Manager. Requests to work beyond normal work hours shall be submitted at least 48 hours prior.
- 6.29 Contractor is responsible for having a competent project superintendent/foreman on-site during all work performed under its contract.
- 6.30 In the event the Contractor has non-English speaking employees or subcontractors on the project, they shall have a superintendent or foreman on site, at all times, who speaks English and can communicate with Contractor's employees. Should the Contractor fail to meet this requirement, at any time, Construction Manager may direct all Work to stop until the proper supervision is on site. The Contractor will be responsible for maintaining the project work schedule and make up at its own expense, any delay to the Schedule resulting from the work stoppage.
- 6.31 Punch List Procedures: Contractor shall be given a copy of the punch list with his appropriate work identified. Contractor shall have nine (9) calendar work days to complete its punch list work. On the 10th day or as determined by the Construction Manager, the Construction Manager shall employ other contractors, as required, to complete any incomplete punch list work and retain from the appropriate Contractors retainage all costs incurred.
- 6.32 Contractor shall provide the necessary safety barricades and railings required to complete their work and comply with all OSHA, local code and contract specifications.
- 6.33 Temporary Protection: Provide temporary protection to ensure that no damages occur to existing or new finishes, building components, materials, equipment, etc. In addition, provide all approved signage and safety devices applicable to the referenced temporary protection. An approved temporary protection plan will be required before the initial start of the work.
- 6.34 Provide fine clean up on a daily basis. Fine cleaning will be defined as those means/methods utilized to ensure that all odors, dust, and debris will be non-existent within the project area at the end of each workday. In addition, means and methods shall be utilized that prevent the migration of odors, dust, debris, and excessive noise from migrating into non-working areas. An approved cleanup plan will be required before the initial start of the work

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CONTRACT NO. A-01 – CARPENTRY

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 00	Bidding and Contract Requirements
Division 01	General Requirements
Division 02	Existing Conditions
Division 03	Concrete
Division 04	Masonry
Division 06	Wood, Plastics, and Composites
Division 07	Thermal and Moisture Protection
Division 08	Openings
Division 09	Finishes
Division 10	Specialties
Division 12	Furnishings
Division 21	Fire Protection

B. This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide all labor, material, trucking, equipment, hoisting, scaffolding, power, temporary facilities, permit fees, supervision, layout, clean up, haul off, dumpsters, etc. for the complete performance of all demolition work for door modifications, restroom modifications, sink modifications, HVAC modifications, secure vestibule modifications.
2. Coordinate mechanical, plumbing and electrical demolition with the Mechanical and Electrical Contractors. Those Contractors will safe off items requiring removal or relocation. The Carpentry and General Work Contractor will remove the item (i.e. lights, fixtures, diffusers, ductwork) and dispose of in a proper receptacle. Removal of mechanical and electrical equipment (faucets, unit ventilators, air handlers, etc.) shall be provided by the Mechanical Contractor. This includes hoisting, rigging and required equipment to safely remove the equipment requiring demolition from its current location and dispose of same off site.
3. This Contractor shall notify the Construction Manager immediately if hazardous materials (i.e. asbestos, lead, PCB's, etc.) are uncovered. At that time, all work in the affected area will be stopped until proper removal can be completed by others (i.e. hazardous material abatement contractor).

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4. Coordination of this scope of work with abatement contractor. Abatement contractor to remove asbestos materials.
  5. This Contractor shall provide any and all "fire watch" personnel required due to the Contractor's cutting, burning, welding or other open flame activity.
  6. This Contractor shall submit proposed methods and operations of building demolition to the Owner, his representative or agents for review prior to the start of work, including a schedule of coordinating the shut off, capping and/or continuation of utility services as required.
  7. This Contractor shall visit the site of the proposed work, fully acquaint and familiarize himself with the conditions as they exist and the character of the operations to be carried out under the proposed Contract, and make such investigation as he may see fit so that he shall fully understand the facilities, physical conditions and restrictions affecting the work under the Contract. Claims for additional compensation and/or extensions of time because of Contractor's failure to familiarize himself with all conditions which might affect the work shall not be allowed.
  8. This Contractor, in the performance of the Work under his subcontractor, shall maintain all required means of egress from the existing buildings and alter such stairs, platforms and fire escapes as required to satisfy all agencies having jurisdiction.
  9. Contractor shall remove debris promptly. Any storage of debris will be coordinated with site superintendent.
  10. Removal, storage and reinstall of suspended ceiling tile necessary for this scope of work
  11. Removal, safe storage and reinstall of 2,000 sf of suspended ceiling tile in rooms 106A, 106, 105, A1, and part of Corridor 1. Scope of work to be coordinated with MEP subcontractors for Base Bid. Alt #1 shall include 3,200 sf of ceiling tile.
  12. Patch areas damaged by demolition, including areas damaged by other trades. Patch areas to match existing conditions.
  13. Provide Masonry as required to repair walls after demo from this scope of work. Damage by others will be identified by location and square feet, documented and submitted to Project Manager prior to repair .
  14. Provide all rough carpentry related to the interior of the building including blocking, wood nailers, etc. for the installation of fire extinguishers, doors, windows, toilet accessories, cabinets, toilet partitions, casework, millwork, etc. including fire treating, as required.

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15. Provide hollow metal and wood doors and frames, fire rated and non-fire-rated, all accessory materials including glazing, stops, astragals, silencers, door sweeps, thresholds, weather stripping, frame spreaders, primer and bituminous coating, sound ratings and other requirements as required.
  16. Provide finish hardware related to all doors (hollow metal, wood and aluminum). Include preparation taking caution to coordinate combined requirements for each type specified. Coordinate cylinder cores with Owner. Provide cylinders and keying, gasketing and weather stripping, thresholds, silencers and other accessories. Coordinate electrical/special system requirements with the Electrical Contractor.
  17. Provide aluminum-framed storefronts, aluminum windows, glazing, operating hardware, insect screens, operable sash weather stripping, flashing, metal trim, drip edge, etc. Provide field quality control testing as outlined.
  18. Provide fireproofing, both exposed and concealed.
  19. Provide Break Metal, Sheet Metal, Flashing and Trim
  20. Provide Joint Sealers for flashing, glazing, and non-like surface intersections under this scope of work.
  21. Provide Access Doors and Panels. (Assume 15 total).
  22. Provide gypsum board assemblies including insulation at new and modified construction. Provide demolition scar patches, opening infills, and other cutting and patching associated with the scope of this Contract.
  23. Patching and leveling of floor. Allow 200 SF for base bid and 400 SF for Alt #1.
  24. Provide VCT.
  25. Provide tiling as required to repair wall and floor tile after demo from this scope of work. Damage by others will be identified by location and square feet, documented and submitted to Project Manager prior to repair.
  26. Provide resilient flooring as required to repair wall and floor tile after demo from this scope of work. Damage by others will be identified by location and square feet, documented and submitted to Project Manager prior to repair.
  27. Provide carpeting as required to repair wall and floor tile after demo from this scope of work. Damage by others will be identified by location and square feet, documented and

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submitted to Project Manager prior to repair.

28. In rooms 208T and 207T paint all walls after patching from demo. Include touch-up after plumbing scope is complete.
29. Paint all doors, frames, walls in rooms A1, 104 Vestibule, 105 Reception Area, 106 Reception Desk, 107 Principal, 108 Assist. Principal, 109 Copy Area, 110 Toilet, 111 Storage, 112 Corridor, 113 Conference, 114 Classroom, and 500 SF in Corridor 1 for Alt. #1
30. Include relocation of 10 sprinkler heads in base bid to work around new HVAC. Include relocation of 30 sprinkler heads in alt. #1 for wall adjustments and new HVAC.
31. Provide one visual display board for Alternate #1
32. Provide pricing for Alternate # 1 (including room 103 classroom)
33. Provide pricing for Alternate # 2
34. Provide pricing for Alternate # 3
35. Provide Signage. Match existing signage. Provide 0 for base bid and 13 for Alt #1
36. Provide Roller Shades.
37. Provide Door Hardware.
38. Hoisting/scaffolding related to the work of this Contract
39. Caulk between the materials supplied under this section and the adjacent surfaces
40. Project start is estimated to be 6/10/16 and completion 8/15/16, any expediting of design, shop drawings, manufacturing, shipping, etc. Should be part of base bid.
41. Provide daily cleaning of this scope of work.
42. Provide cleaning of windows at end of project.
43. Provide Final Cleaning at end of project.
44. This Contractor shall include the following allowances in the Base Bid. Allowances to be used at the discretion of the Construction Manager. Unused portions of the allowance shall be returned to the Owner via change order.

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- a. \$5,000 allowance for replacement of toilet accessories
  - b. \$10,000 allowance for Acoustical Ceiling Tile, repair or replace
  - c. \$5,000 allowance for Painting
  - d. \$8,000 allowance for wall repair
  - e. \$8,000 allowance for Floor repair
  - f. \$5,000 allowance for overtime and or expediting

45. Provide pricing for all alternates as described in Section 012300-Alternates.

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CONTRACT NO. A-02 - MECHANICAL AND PLUMBING

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 0	Bidding and Contract Requirements
Division 01	General Requirements
Division 22	Plumbing
Division 23	HVAC
Division 26	Electrical (for reference and coordination)

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide a complete mechanical, plumbing and piping system as indicated in the Contract Documents.
2. This Contractor shall be responsible to designate an individual within his organization, intimately familiar with this project and assigned on site, to act as the System Start-up Coordinator. This individual must be pre-approved by the Construction Manager. This individual's responsibilities shall include, but not be limited to, coordinating the start-up of all mechanical equipment, including the coordination between the Electrical Contractor, the Controls Contractor, and all testing, adjusting and balancing work. This individual shall report on a weekly basis, in written form, to the Construction Manager. These reports shall include a summary of current conditions including manufacturers' start-ups, systems' deficiencies noted to date and the remediation of same, coordination issues between trades, system interfacing and forecasting, as necessary to project the completion of each individual system within the building.
3. Provide safing off of and temporary protection of items requiring selective demolition. Coordinate this work with the Carpentry and General Work Contractor and the Electrical Contractor who will be providing the electrical/special system safing off and the removal of items as outlined. Mechanical equipment such as faucets, unit ventilators and air handlers will be demolition, removed and disposed of off site by the Mechanical Contractor. Extent of removal of ceilings, walls and other existing construction shall be closely coordinated by this Contractor with the Carpentry and General Work Contractor.
4. Provide complete piping, plumbing fixtures and trim.

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5. Provide plumbing insulation and covering.
  6. Provide domestic cold water, hot water and recirculating water piping. Complete flow balancing of entire domestic water, water return system.
  7. Provide plumbing system testing (domestic cold, hot and hot water return, gas piping and sanitary and condensate waste drainage piping) as indicated in the Contract Documents.
  8. Provide domestic hot water and hot water return system balancing as indicated in the Contract Documents.
  9. Provide HVAC system, including but not limited to rooftop units, heat pumps, unit ventilator, energy recovery ventilator, fan coils, electric heater, pumps, valves, louvers, screens, insulation and covering. Insulation and covering at supply ductwork, return ductwork and outside air intake and relief ductwork, vibration and sound insulation, piping systems and accessories.
  10. Provide complete insulated roof cap to provide a weather tight seal after unit AC-1 is removed. (Base Bid)
  11. Provide complete RTU-1, including a complete curb adapter unit. Alt #1
  12. Provide water treatment for cleaning and treatment of HVAC chilled water, hot water and steam system.
  13. Provide air distribution and accessories, Verify and coordinate work with the Electrical Contractor (and Fire Alarm vendor) for the locations and mounting of all duct smoke detectors – shown on the mechanical drawings for reference. Final locations determined on approved FA drawings. Mounting shall comply with NFPA. Coordinate damper size, location and type of damper with architectural drawings.
  14. Provide fans, terminal heating units, terminal heating and cooling equipment, air handling equipment. Coordinate power wiring and other requirements for HVAC equipment including the coordination of furnishing and installing motor starters as noted in the Contract Documents.
  15. Provide an extension of the existing controls and head end DDC system to control all HVAC Systems, associated components and accessories described in the Contract Documents. Coordinate with the Electrical Contractor for power requirements and wiring.
  16. Provide equipment bases and housekeeping pads.
  17. Provide pipe and equipment labeling and identification.

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18. Provide permits, testing and inspections.
  19. Provide testing and balancing of mechanical system.
  20. Provide sleeves for penetrations through wall, floors, roofs etc. including cutting, patching and fire safing.
  21. Provide hoisting, rigging and scaffolding required to perform the scope of this Contract.
  22. Provide sleeves for penetrations through wall, floors, roofs etc. including cutting, patching and fire safing.
  23. Provide louvers and vents related to HVAC operations.
  24. Provide gas piping and accessories .
  25. Provide piping enclosures.
  26. This Contractor shall include the following allowances in the Base Bid. Allowances to be used at the discretion of the Construction Manager. Unused portions of the allowance shall be returned to the Owner via change order.
    1. \$5,000 for miscellaneous mechanical or plumbing work.
    2. \$5,000 for plumbing or duct insulation.
    3. \$5,000 for equipment pads.
    4. \$5,000 for tie-in locations.
    5. \$5,000 for ductwork support.
    6. \$5,000 for roof patching.
  22. Provide pricing for Alternate # 1. (including room 103 classroom)
  23. Provide pricing for Alternate # 2.
  24. Provide pricing for Alternate # 3.
  25. Provide operation and maintenance manuals, attic stock, maintenance tools, demonstration and training.
  26. All warranties begin at overall project substantial completion. This project requires a two-year general warranty, in addition to the specific warranties required by the Contract Documents.

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CONTRACT NO. A-03 - ELECTRICAL

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 0	Bidding and Contract Requirements
Division 01	General Requirements
Division 22	Plumbing (for reference and coordination)
Division 23	HVAC (for reference and coordination)
Division 26	Electrical

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide a complete electrical system as indicated on the Contract Documents.
2. Provide safing off of items requiring selective demolition. Coordinate this work with the Carpentry and General Work Contractor and the Mechanical Contractor who will be providing the plumbing and HVAC system safing off and the removal of items as outlined. Extent of removal of ceilings, walls and other existing construction shall be closely coordinated by this Contractor with the Carpentry and General Work Contractor.
3. Provide removal of panel cover and breakers; disconnect incoming and outgoing feeders, and remove bus bars.
4. Disconnect and remove existing power wiring, disconnects and control wiring with conduit back to source panel completely.
5. Provide and install new bus bars into existing back box, reconnect incoming and outgoing feeders with extensions as required. Retain existing directories
6. Furnish and install new breakers, which are to replace existing in kind.
7. Provide new double-hinged cover.
8. Provide electrical identification and labeling.
9. Provide raceways, wires and cables, electrical boxes and fittings and wiring devices required for the scope of this Contract.

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10. Provide motor starters. Coordinate the design equipment characteristics with the Mechanical Contractors.
  11. Provide motor and circuit disconnects. Coordinate access, clearances and maintenance prior to installation to avoid conflicts.
  12. Provide overcurrent protective devices.
  13. Provide supporting devices.
  14. Provide feeder circuits and branch circuits.
  15. Provide temporary electric installation, maintenance and removal. Refer to Division 1, Specification Section 015113 - TEMPORARY ELECTRIC, for specific scope.
  16. Rough in and final connection and related work for equipment provided under other contracts (i.e., HVAC, sprinkler, motorized doors, etc.)
  17. Furnish duct smoke detectors. Verify and coordinate work with the Mechanical Contractor (and Fire Alarm vendor) for the locations and mounting of all duct smoke detectors – shown on the mechanical drawings for reference. Final locations determined on approved FA drawings. Mounting shall comply with NFPA.
  18. Provide sleeves for penetrations through wall, floors, roofs etc. including cutting, patching and fire safing.
  19. Provide hoisting, rigging and scaffolding required to perform the scope of this Contract.
  20. Provide rough-in and final connection and related work for equipment provided under other contracts (i.e. elevators, HVAC, sprinkler, motorized doors, etc.).
  21. Provide lighting fixtures.
  22. Provide electrical door hardware and associated wiring. Coordinate with Carpentry & General Work contractor through installation.
  23. Provide relocation of PA System Console & Clock System console.
  24. Provide pricing for Alternate No. 1 (including room 103 classroom)
  25. Provide pricing for Alternate No. 2
  26. Provide pricing for Alternate No. 3

27. This Contractor shall include the following allowances in the Base Bid. Allowances to be used at the discretion of the Construction Manager. Unused portions of the allowance shall be returned to the Owner via change order.
  - a. \$10,000 for miscellaneous and unforeseen electrical work.
28. Provide permits, testing and inspections.
29. Provide operation and maintenance manuals, attic stock, maintenance tools, demonstration and training.
30. All warranties begin at overall project substantial completion. This project requires a two-year general warranty, in addition to the specific warranties required by the Contract Documents.

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SECTION 012300 - ALTERNATES

1. GENERAL PROVISIONS

- 1.1 The general provisions of the Contract, including the Conditions of the Contract (General, Supplementary and other conditions, if any) and Division 1 as appropriate, apply to the Work specified in this Section.
- 1.2 Refer to provisions in AIA Document A232 – 2009 Edition, GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, CONSTRUCTION MANAGER AS ADVISOR EDITION, for requirements in addition to those specified in Division 1.
- 1.3 For work being constructed under separate prime contracts, provisions of this Section apply to each contract being bid.

2. BASE BID

- 2.1 The Base Bid shall consist of all work shown or specified in the Contract Documents, exclusive of any Additive Alternates specified herein.
- 2.2 The Base Bid shall include all work in any Subtractive Alternates specified herein.

3. ALTERNATES

- 3.1 State in the Bid Form the amount to be added to the Base Bid for each Alternate specified.
- 3.2 See Section 002113 - INSTRUCTIONS TO BIDDERS for related information.
- 3.3 The description of Alternates contained herein is in summary form. Detailed requirements for materials and execution shall be as specified in other sections and as shown on drawings.

Alternate No. 1: Provide Alt. #1 pricing as shown on documents; to convert rooms 105, 106, 106A, A6, A6T, Corridor 1, etc. (as shown on drawings) into 105, 106, 107, 108, 109,110, 111, 112, 113, 114, A1, etc. (as shown on drawings).

Alternate No. 2: Provide Alt. # 2 pricing as shown on documents; Room 110 will be a storage room. The restroom is deleted from Alt #1 and a storage room is installed in its place. The assumed cost savings to delete the restroom and install a storage room shall be indicated on the bid form.

Alternate No. 3: Room 210T Toilet Scope. Provide scope of work as shown on drawings for room 210T

END OF SECTION

**SECTION 08 14 16**  
**FLUSH WOOD DOORS**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Flush wood doors; flush and flush glazed configuration; fire rated and smoke rated.

**1.02 RELATED REQUIREMENTS**

- A. Section 01 33 13 - LEED Submittals: Including Materials Reporting Form, VOC Reporting Form
- B. Section 01 61 16 - Volatile Organic Compound (VOC) Content Restrictions.
- C. Section 01 78 39 - Construction Waste Management and Disposal: Limitations on disposal of removed materials; requirements for recycling.
- D. Section 01 81 13 LEED & Sustainable Design Requirements
- E. Section 01 81 19 Construction IAQ Mgmt
- F. Section 08 11 13 - Hollow Metal Doors and Frames.
- G. Section 08 71 00 - Door Hardware.
- H. Section 08 80 00 - Glazing.

**1.03 REFERENCE STANDARDS**

- A. ANSI A135.4 - American National Standard for Basic Hardboard.
- B. ICC (IBC) - International Building Code; 2003.
- C. UBC Std 7-2, Part II - Test Standard for Smoke- and Draft-control Assemblies; International Conference of Building Officials; 1997.
- D. UL 1784 - Standard for Air Leakage Tests of Door Assemblies.
- E. WDMA I.S.1-A - Architectural Wood Flush Doors; Window and Door Manufacturers Association.

**1.04 SUBMITTALS**

- A. See Section 01 33 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Indicate door core materials and construction; veneer species, type and characteristics.
- C. Shop Drawings: Illustrate door opening criteria, elevations, sizes, types, swings, undercuts required, special beveling, special blocking for hardware, factory machining criteria, factory finishing criteria, identify cutouts for glazing.
- D. Samples: Submit two samples of door construction, 8 x 12 inch in size cut from top; or bottom corner of door.
- E. Samples: Submit two samples of door veneer, 6 x 6 inch in size illustrating wood grain, stain color, and sheen.
- F. LEED Report: Submit for wood products made from sustainably harvested wood, salvaged and reused wood, wood fabricated from recovered timber, and locally-sourced wood, as specified in Section 01 35 15.
- G. Manufacturer's Installation Instructions: Indicate special installation instructions.
- H. Warranty, executed in Owner's name.

**1.05 QUALITY ASSURANCE**

- A. Maintain one copy of the specified door quality standard on site for review during installation and finishing.

- B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years of documented experience.

#### **1.06 DELIVERY, STORAGE, AND HANDLING**

- A. Package, deliver and store doors in accordance with specified quality standard.
- B. Accept doors on site in manufacturer's packaging. Inspect for damage.
- C. Protect doors with resilient packaging sealed with heat shrunk plastic. Do not store in damp or wet areas; or in areas where sunlight might bleach veneer. Seal top and bottom edges with tinted sealer if stored more than one week. Break seal on site to permit ventilation.

#### **1.07 PROJECT CONDITIONS**

- A. Coordinate the work with door opening construction, door frame and door hardware installation.

#### **1.08 WARRANTY**

- A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.
- B. Interior Doors: Provide manufacturer's warranty for the life of the installation.
- C. Provide warranty for the following term:
  - 1. Interior Doors: Warranty - Provide for replacing, including cost of rehang and refinishing, at no cost to Owner, wood doors exhibiting defects in materials or workmanship including warp and delaminating for the life of installation.
- D. Include coverage for delamination of veneer, warping beyond specified installation tolerances, defective materials, and telegraphing core construction.

### **PART 2 PRODUCTS**

#### **2.01 MANUFACTURERS**

- A. Wood Veneer Faced Doors:
  - 1. Graham Wood Doors: [www.grahamdoors.com](http://www.grahamdoors.com).
  - 2. Eggers Industries; \_\_\_\_: [www.eggersindustries.com](http://www.eggersindustries.com).
  - 3. VT Industries [www.VTindustries.com](http://www.VTindustries.com)
  - 4. Marshfield DoorSystems, Inc; \_\_\_\_: [www.marshfielddoors.com](http://www.marshfielddoors.com).
  - 5. Substitutions: See Section 01 60 00 - Product Requirements.

#### **2.02 DOORS**

- A. All Doors: See drawings for locations and additional requirements.
  - 1. Quality Level: Custom Grade, Standard Duty performance, in accordance with WDMA I.S.1-A.
  - 2. Wood Veneer Faced Doors: 5-ply unless otherwise indicated.
- B. Interior Doors: 1-3/4 inches; thick unless otherwise indicated; flush construction.
  - 1. Fire Rated Doors: Tested to ratings indicated on drawings in accordance with NFPA 252 or UL 10B - Negative (Neutral) Pressure; Underwriters Laboratories Inc. (UL) or Intertek/Warnock Hersey (WHI) labeled without any visible seals when door is open.
  - 2. Smoke and Draft Control Doors (Indicated as "S" on Drawings): In addition to required fire rating, provide flush wood door assemblies in compliance with WDMA I.S.1-A requirements for "S" label; if necessary, provide additional gasketing or edge sealing.
  - 3. Wood veneer facing with factory transparent finish .

#### **2.03 DOOR AND PANEL CORES**

- A. Non-Rated Solid Core and 20 Minute Rated Doors: Type particleboard core (PC), plies and faces as indicated.

- B. Fire Rated Doors: Mineral core type, with fire resistant composite core (FD), plies and faces as indicated above; with core blocking as required to provide adequate anchorage of hardware without through-bolting.

#### **2.04 DOOR FACINGS**

- A. Wood Veneer Facing for Transparent Finish: Red oak "A", veneer grade as specified by quality standard.
  - 1. Cut: Plain Sliced.
  - 2. Veneer match: Book match and balanced.
  - 3. Vertical Edges: Same species as face veneer.
- B. Facing Adhesive: Type I - waterproof.

#### **2.05 ACCESSORIES**

- A. Glazing Stops: Wood, of same species as door facing, butted; or mitered corners; prepared for countersink style tamper proof screws.

#### **2.06 DOOR CONSTRUCTION**

- A. Fabricate doors in accordance with door quality standard specified.
- B. Cores Constructed with stiles and rails:
  - 1. Provide solid blocks at lock edge for hardware reinforcement.
  - 2. Provide solid blocking for other through bolted hardware.
- C. Fit door edge trim to edge of stiles after applying veneer facing.
- D. Factory machine doors for hardware other than surface-mounted hardware, in accordance with hardware requirements and dimensions.
- E. Factory fit doors for frame opening dimensions identified on shop drawings, with edge clearances in accordance with specified quality standard.
- F. Provide edge clearances in accordance with the quality standard specified.

#### **2.07 FACTORY FINISHING - WOOD VENEER DOORS**

- A. Finish work in accordance with WDMA I.S. 1A for Grade specified and as follows:
- B. Factory finish doors in accordance with specified quality standard:
  - 1. Transparent Finish: Transparent catalyzed polyurethane, Custom quality, semi-gloss sheen.
- C. Factory finish doors in accordance with approved sample.
- D. Seal door top edge with color sealer to match door facing.

### **PART 3 EXECUTION**

#### **3.01 EXAMINATION**

- A. Verify existing conditions before starting work.
- B. Verify that opening sizes and tolerances are acceptable.
- C. Do not install doors in frame openings that are not plumb or are out-of-tolerance for size or alignment.

#### **3.02 INSTALLATION**

- A. Install doors in accordance with manufacturer's instructions and specified quality standard.
- B. Factory-Finished Doors: Do not field cut or trim; if fit or clearance is not correct, replace door.
- C. Use machine tools to cut or drill for hardware.
- D. Coordinate installation of doors with installation of frames and hardware.

- E. Coordinate installation of glazing.

**3.03 TOLERANCES**

- A. Conform to specified quality standard for fit and clearance tolerances.
- B. Conform to specified quality standard for telegraphing, warp, and squareness.
- C. Maximum Diagonal Distortion (Warp): 1/8 inch measured with straight edge or taut string, corner to corner, over an imaginary 36 by 84 inches surface area.
- D. Maximum Vertical Distortion (Bow): 1/8 inch measured with straight edge or taut string, top to bottom, over an imaginary 36 by 84 inches surface area.
- E. Maximum Width Distortion (Cup): 1/8 inch measured with straight edge or taut string, edge to edge, over an imaginary 36 by 84 inches surface area.

**3.04 ADJUSTING**

- A. Adjust doors for smooth and balanced door movement.
- B. Adjust closers for full closure.

**END OF SECTION**