

ADDENDUM NO. 1

TO

RED CLAY CONSOLIDATED SCHOOL DISTRICT  
HIGHLANDS ELEMENTARY SCHOOL  
BID PACKAGE 'B'

This addendum is hereby made part of the Project Manual and Drawings dated 31 January 2017.

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

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

This Addendum contains changes to the requirement of the Drawings. Such changes shall be incorporated into the Contract Documents and shall apply to work with the same meaning and force as if they had been included in the original Documents. Whenever this Addendum modifies a portion of any drawing, the remainder of the drawing affected shall remain in force. Added, deleted or revised information is shown as "clouded".

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

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

**BIDS WILL BE RECEIVED AT THE RED CLAY CONSOLIDATED SCHOOL DISTRICT OFFICE,  
1798 LIMESTONE ROAD, WILMINGTON, DE 19804 UNTIL 3:00 PM LOCAL TIME ON  
THURSDAY, MARCH 16, 2017.**

**PRE-BID MEETING SIGN IN SHEET DATED 1 MARCH 2017 ATTACHED HERETO.**

**THE LAST DAY FOR QUESTIONS WAS THURSDAY, 9 MARCH 2017.**

**BIDDERS ARE ADVISED THAT THE ONLY RELIABLE SOURCE OF DOCUMENTS FOR THIS  
SOLICITATION IS THE EDIS FTP SITE. BIDDERS THAT RELY ON INFORMATION PUBLISHED  
ON ANY OTHER COMMERCIAL WEBSITES DO SO AT THEIR OWN RISK.**

Addendum No. 1 – Consists of the following:

- I. General Information / Clarifications
- II. Response to Bidders' Questions
- III. Revisions to Project Manual/Specifications
- IV. Revisions to Drawings

**I. GENERAL INFORMATION / CLARIFICATIONS**

- A. Pre-bid meeting sign in sheet dated 1 March 2017.

**II. RESPONSE TO BIDDERS' QUESTIONS**

- A. A copy of the response to RFI No. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 & 13 is attached hereto.

**III. REVISIONS TO PROJECT MANUAL/SPECIFICATIONS**

**A. SECTION 004100 – BID FORMS**

**1. Contract B-01 Sitework**

- a) DELETE pages 004100-1 through 004100-7 in their entirety. INSERT revised pages 004100-1 through 004100-8 annotated Addendum No. 1.

**2. Contract B-02 Mechanical & Plumbing**

- a) DELETE pages 004100-1 through 004100-7 in their entirety. INSERT revised pages 004100-1 through 004100-8 annotated Addendum No. 1.

**3. Contract B-03 Masonry**

- a) DELETE pages 004100-1 through 004100-7 in their entirety. INSERT revised pages 004100-1 through 004100-8 annotated Addendum No. 1.

**4. Contract B-04 Structural Steel & Miscellaneous Metals**

- a) DELETE pages 004100-01 through 004100-7 in their entirety. INSERT revised pages 004100-1 through 004100-8 annotated Addendum No. 1.

**5. Contract B-05 Carpentry & General Works**

- a) DELETE pages 004100-01 through 004100-7 in their entirety. INSERT revised pages 004100-1 through 004100-8 annotated Addendum No. 1.

**6. Contract B-06 Roofing**

- a) DELETE pages 004100-01 through 004100-7 in their entirety. INSERT revised pages 004100-1 through 004100-8 annotated Addendum No. 1.

**7. Contract B-07 Aluminum Windows & Glazing**

- a) DELETE pages 004100-01 through 004100-7 in their entirety. INSERT revised pages 004100-1 through 004100-8 annotated Addendum No. 1.

**8. Contract B-08 Fire Protection**

- a) DELETE pages 004100-01 through 004100-7 in their entirety. INSERT revised pages 004100-1 through 004100-8 annotated Addendum No. 1.

**9. Contract B-09 Mechanical & Plumbing**

- a) DELETE pages 004100-01 through 004100-7 in their entirety. INSERT revised pages 004100-1 through 004100-8 annotated Addendum No. 1.

**10. Contract B-10 Electrical & Fire Alarm**

- a) DELETE pages 004100-01 through 004100-7 in their entirety. INSERT revised pages 004100-1 through 004100-8 annotated Addendum No. 1.

**B. SECTION 011100 – SUMMARY OF WORK**

**1. Contract B-01 – Sitework**

a) ADD the following NEW item after item 40 on page 011100-11:

- I. 41. Provide 120 lineal feet of 6'-0" high chain link construction fence including a gated entry on moveable bases. The fencing will be placed in the back lot to create a storage area for contractor equipment.
- II. 42. Removal of concrete foundations as indicated on the contract documents.

**2. Contract B-03 – Masonry**

a) DELETE Item 10 in entirety.

**3. Contract B-09 – Mechanical & Plumbing**

a) ADD the following NEW item after item 40 on page 011100-38:

- I. 41. Provide perforated drain pipe system at the concrete planters and retaining wall ramp.

**C. SECTION 012300 ALTERNATES**

1. DELETE pages 012300-1 through 012300-2 in their entirety. INSERT revised pages 012300-1 through 012300-2 annotated Addendum No.1.

**D. SECTION 013216 CONSTRUCTION SCHEDULE**

1. DELETE Bid Schedule dated 31 Jan 17. INSERT revised schedule Highlands Elementary School Master Schedule annotated Addendum No. 1 dated 09 Mar 17.

**E. SECTION 055213 PIPE AND TUBE RAILING**

1. DELETE section in entirety and INSERT new section annotated Addendum No.1.

**F. SECTION 087100 DOOR HARDWARE**

1. DELETE Hardware Schedule Issue No. 1. INSERT revised Hardware Schedule annotated Addendum No. 1.

**IV. REVISIONS TO DRAWINGS**

**A. Drawing G1.0** - DELETE this sheet in its entirety. INSERT revised sheet G1.0 annotated Addendum No. 1, dated 8 March 2017.

1. Sheet Index Drawings updated to reflect drawing numbers. Basement Floor Plan.

**B. Drawing A2.1** - DELETE this sheet in its entirety. INSERT revised sheet A2.1 annotated Addendum No. 1, dated 8 March 2017.

1. Revised keynotes to reflect extent of demolition at exterior (remove all stone caps for reinstallation, demolish stairs by entrance, areas around new ramp, remove handrails and save for reinstallation)

**C. Drawing A3.1** - DELETE this sheet in its entirety. INSERT revised sheet A3.1 annotated Addendum No. 1, dated 8 March 2017.

1. Revised keynotes to reflect extent of new construction at exterior (new stairs and areas of patching, reinstallation of handrails, new walls with existing stone cap to be installed)
  2. Updated partition type.
- D. Drawing A3.2** - DELETE this sheet in its entirety. INSERT revised sheet A3.2 annotated Addendum No. 1, dated 8 March 2017.
1. Revised keynotes and associated areas where affected.
- E. Drawing A3.3A** - DELETE this sheet in its entirety. INSERT revised sheet A3.3A annotated Addendum No. 1, dated 8 March 2017.
1. Changed Sheet Title Discipline.
- F. Drawing A3.4** - DELETE this sheet in its entirety. INSERT revised sheet A3.4 annotated Addendum No. 1, dated 8 March 2017.
1. ADDED new bulkhead to transition old and new ACT.
- G. Drawing A4.1** - DELETE this sheet in its entirety. INSERT revised sheet A4.1 annotated Addendum No. 1, dated 8 March 2017.
1. Revised keynotes and associated areas where affected.
- H. Drawing A4.2** - DELETE this sheet in its entirety. INSERT revised sheet A4.2 annotated Addendum No. 1, dated 8 March 2017.
1. Revised keynotes and associated areas where affected.
- I. Drawing A6.1** - DELETE this sheet in its entirety. INSERT revised sheet A6.1 annotated Addendum No. 1, dated 8 March 2017.
1. Revised Door Schedule.
  2. Detail 2 and 3/A6.1 reflect hollow metal frame.
  3. New head and jamb details.
  4. Hardware set numbers updated, refer to updated hardware set.
- J. Drawing A6.2** - DELETE this sheet in its entirety. INSERT revised sheet A6.2 annotated Addendum No. 1, dated 8 March 2017.
1. Deleted Spray Foam Closed Cell Insulation.
  2. Added 2" Rigid Insulation.
  3. Added Fluid Applied Air Barrier Vapor Permeable on CMU.
- K. Drawing A6.3** - DELETE this sheet in its entirety. INSERT revised sheet A6.3 annotated Addendum No. 1, dated 8 March 2017.
1. Revised details to show planter drainage.
  2. Revised details to show drainage behind concrete wall in lieu of yard drains.
  3. Add french drain along the back of the concrete wall by the ramp.
- L. Drawing G8.3 through G8.6** - DELETE sheets in its entirety. INSERT revised sheet M8.3 through M8.6 annotated Addendum No. 1, dated 8 March 2017.
1. Changed Sheet Title Discipline.
- M. Drawing G9.1, G9.4, G9.5, G9.6, & G9.7** - DELETE sheets in its entirety. INSERT revised sheets E9.1, E9.4, E9.5, E9.6, & E9.7 annotated Addendum No. 1, dated 8 March 2017.
1. Changed Sheet Title Discipline.
- N. Drawing P10.1** - DELETE sheets in its entirety. INSERT revised sheet P10.1 through annotated Addendum No. 1, dated 8 March 2017.
1. Shows new french drain to tie into new UG RWC.

- O. Drawing G11.0 & G11.1** - DELETE sheets in its entirety. INSERT revised sheet FP11.0 & FP 11.1 annotated Addendum No. 1, dated 8 March 2017.
1. Changed Sheet Title Discipline.

END OF ADDENDUM NO. 1



EDIS COMPANY

110 SOUTH POPLAR STREET ■ SUITE 400 ■ WILMINGTON, DE 19801-5053  
 TEL. (302) 421-5700 ■ FAX (302) 421-5715 ■ WWW.EDISCOMPANY.COM

RED CLAY CONSOLIDATED SCHOOL DISTRICT - HIGHLANDS ELEMENTARY SCHOOL

BID PACKAGE 'B' - PRE-BID MEETING

Date: 1 March 2017

Please Print!

SOBIESKI  
MECH

COMPANY NAME	CONTACT NAME	EMAIL ADDRESS	PHONE NUMBER	FAX NUMBER	MAILING ADDRESS
EDIS Company	Vinmie Colonna	VCOLONNA@EDISCompany.com	302-421-5700		110 S. Poplar St. Wilm, DE 19801
D.A. Nolt	Rich Michel	Matt@DANOLT.com	856-753-9333	856-753-4963	53 Crosskeys Road Berlin NJ 08009.
GUARDIAN ENVIRONMENTAL	MATT TARR	MTARR@GIESOINCAVE.com	302-757-2867	302-831-1999	70 ACBE DR NEWARK, DE 19702
<del>Core Appraisal</del>	GREG PAPPAS	GPAPPAS@SOBIESKIINC.com	302-993-0104		14 HADCO RD; WILM DE 19804
<del>LAN MURPHY</del>	IAN MURPHY	IMURPHY@SOBIESKIINC.COM	"		"
TALLEY BROTHERS, INC	BRANDON CARNNEY	bcurney@talleybrothers.com	302-224-5376		116-C SANDY DRIVE, NEWARK, DE.
GFB CEMENT	Dominic PAPA	Dominic.PAPA@GFBCEMENT.com	995-7657		101 S. MARY ST NEWPORT DE 19804
A-DEL CONSTRUCTION	ANTONIO MARK	amark@a-del.com	(302)453-8286		10 Adel Dr., NEWARK, DE 19702
SUMMIT STEEL	JOE NICOTRA	joenicotra1@gmail.com	325-3220	325-4435	201 EDWARDS AVE, 19720
TRI-STATE R/S	Buck High	bhigh01@concrsri.net	995-7027		404 MELO DR, WILM, DE 19804
P-C Roofing Inc	Michael Cuccolo	Michael@PCRoofinginc.com	322-6767	322-9809	35 South Gate AVE New Castle DE 19724
Wilkinson Roofing	Jim McKeever	jim@wilkinsonroofing.com	302-998-0176		1000 1st State Blvd Wilmington 19804
Specialty Finishes	Gordie Bennett	gbennett@specialtyfinishes.com	302-438-7421		830 Dawson Dr, Newark, DE 19713
Ventesca Bros, Inc	Tom Ventesca	tom@ventesca-bros.com	302-658-6436	302 658-2360	2300 N. Dupont Hwy., New Castle, DE
BCI	Bill Michelinie	bmichelinie@bcionline.com	302-325-2700	302-325-2733	34 Industrial Blvd., New Castle, DE 19720



REQUEST FOR INFORMATION

TO: ED LUPINEK, STUDIO JAED

PRE-BID RFI#: 1

FROM: VINNIE COLONNA, EDiS COMPANY

DATE: 2 MARCH 2017

PROJECT: HIGHLANDS ELEMENTARY SCHOOL – BID PACK 'B'

DWG. # / DETAIL: \_\_\_\_\_ SPEC. SECTIONS: \_\_\_\_\_ PAGE: \_\_\_\_\_

**REQUEST:**

I have some questions about the roofing spec:

1. In order to get a tapered price I need to know the minimum thickness.
2. I also think they want a TPO not EPDM sheet.

Please advise

Submitted By: Mark South / GSM Roofing

Date: 2 March 17

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**RESPONSE:** 1. 2-1/2" MIN. AT ROOF DRAIN  
2. USE SURE-WHITE 60 MIL, NON-REINFORCED EPDM.

Response By: Gabe Cheung, AIA, NCARB, LEED AP

Date: 3/6/17

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# Sure-White® EPDM

## Membranes



### Overview

Sure-White is a white 60-mil (1.52 mm) or 90-mil-thick (2.28 mm) non-reinforced EPDM-based elastomeric homogenous roof covering. This roofing membrane may be used for new single-ply roof construction and re-roofing applications. Sure-White 60-mil is available in widths up to 20' (6 m) and lengths of up to 100' (30 m). Sure-White 90-mil is available in widths of 10' (3 m) and lengths of up to 100' (30 m). Sure-White EPDM membrane meets ENERGY STAR®, LEED® and California Title 24 cool roof standards for initial and aged solar reflectance and thermal emittance.

### Features and Benefits

- » Carlisle Sure-White EPDM has 25 years of proven performance
- » Industry leading resistance to outdoor weathering with 25,200 kJ/m<sup>2</sup> total radiant exposure without cracking or crazing
- » Factory-Applied Tape Seams and Pressure-Sensitive Flashing accessories enhance workmanship quality
- » White EPDM helps reduce air conditioning costs in warmer climates
  - ENERGY STAR cautions that a heating penalty may outweigh the cooling benefit in central and northern climates
  - Reduces carbon footprint by lowering air conditioning costs
- » Life Cycle Assessment using EPA's TRACI model analyzed EPDM, TPO, PVC and Modified-Bitumen
  - EPDM had the lowest Global Warming Potential
  - EPDM had the lowest Acid Rain impact
  - EPDM had the lowest contribution to Smog
- » Numerous studies and real world experience confirm that Sure-White EPDM's 540% elongation and weathering resistance result in superior hail damage resistance; UL 2218 Class 4 rating

- » EPDM is the most dimensionally stable heat resistant membrane and stays flexible even in extremely cold conditions, down to -40°F (see Flexibility/Torsion DMA data)
- » Extruded manufacturing technology results in seamless 10' wide sheets
- » 60-mil and 90-mil membranes available for up to 25- and 30-year warranties and are UL and FM approved
- » Zero fungi growth in ASTM G21 test
- » Carlisle manufactures all the major components of a typical roofing system including membrane, flashings, tapes, adhesives, sealants, insulations and insulating cover boards

### Carlisle's Factory-Applied Tape Seam Technology

With Carlisle's patented Factory-Applied Tape (FAT) Seam technology, most of the labor to create seams between membrane panels is completed in a quality-controlled, state-of-the-art environment. This process results in a reliable seam with greater peel and shear strengths with no entrapped air bubbles. Consistent placement of the FAT also maximizes the splice area and results in a high-quality seam. Carlisle FAT is available on Sure-White membranes up to 20' (6 m) in width, providing the fastest way to complete a seam in today's roofing market. Shelf life for FAT is 1 year.

### Installation

Sure-White membrane is primarily utilized in Design A, Fully Adhered Roofing Systems.

**Sure-White Design A: Fully Adhered Roofing System:** insulation is mechanically attached or adhered to the roof deck. The substrate and membrane are coated with Carlisle Bonding Adhesive. The membrane is then rolled into place and broomed down. To complete seams between two adjoining membrane panels, apply primer to the splice area in conjunction with Carlisle's FAT. As an alternative, Carlisle's hand-applied SecurTAPE may be used.

**For cold weather splicing below 40°F (5°C),** these steps must be followed:

1. Heat the primed area of the bottom membrane with a hot-air gun as the top sheet with FAT is applied and pressed into place.
2. Prior to rolling the splice area with a 2"-wide steel hand roller, apply heat to the top side of the membrane with a hot-air gun. The heated surface should be hot to the touch. Be careful not to burn or blister the membrane.

*Review Carlisle specifications and details for complete installation information.*

# Sure-White EPDM Membranes

## Precautions

- » Sunglasses that filter our ultraviolet light are strongly recommended as the white surface intensifies sunlight through reflection.
- » White surfaces reflect heat and may become slippery due to frost and ice build-up. Exercise extreme caution during cold conditions to prevent falls.
- » Use caution when working close to a roof edge when surrounding area is snow covered as roof edge may not be clearly visible.
- » Use proper stacking procedures for sufficient stability of materials.
- » Exercise caution when walking on wet membrane. Membranes are slippery when wet.
- » Membranes with FAT should not be exposed to prolonged jobsite storage temperatures in excess of 90°F (32°C); otherwise, the shelf life of the FAT may be affected.
- » When Sure-White with FAT is used, shade the tape end of the rolls until ready to use in warm, sunny weather.
- » Shelf life for FAT is 1-year.

## Radiative Properties for ENERGY STAR®, Cool Roof Rating Council (CRRC) and LEED

Physical Property	Test Method	Sure-White EPDM
ENERGY STAR – Initial solar reflectance	Solar Spectrum Reflectometer	0.76
ENERGY STAR – Solar reflectance after 3 years	Solar Spectrum Reflectometer (after cleaning)	0.64
CRRC – Initial solar reflectance	ASTM C1549	0.76
CRRC – Solar reflectance after 3 years	ASTM C1549 (uncleaned)	0.64
CRRC – Initial thermal emittance	ASTM C1371	0.90
CRRC – Initial thermal emittance after 3 years	ASTM C1371 (uncleaned)	0.87
LEED – Thermal emittance	ASTM E408	0.91
SRI – (Solar Reflectance Index)	ASTM E1980	94

## LEED® Information

Pre-consumer Recycled Content	0%
Post-consumer Recycled Content	0%
Manufacturing Location	Carlisle, PA
Solar Reflectance Index	94

## Typical Properties and Characteristics

Physical Property	Test Method	SPEC. (PASS)	Typical
Tolerance on Nominal Thickness, %	ASTM D412	±10	±10
Weight, lbs/ft <sup>2</sup> (kg/m <sup>2</sup> )			0.37 (1.8) 0.60 (2.9)
Tensile Strength, min, psi (MPa)	ASTM D412	1305 (9)	1465 (10.1)
Elongation, Ultimate, min, %	ASTM D412	300	540
Tear Strength, min, lbf/in (kN/m) (Die C)	ASTM D624	150 (26.3)	187 (32.7)
Factory Seam Strength, min	Modified ASTM D816	Membrane Rupture	Membrane Rupture
Resistance to Heat Aging* Properties after 28 days @ 240°F (116°C)	ASTM D573		
Tensile Strength, min, psi (MPa)	ASTM D412	1205 (8.3)	1345 (9.3)
Elongation, Ultimate, min, %	ASTM D412	200	280
Tear Strength, min, lbf/in (kN/m)	ASTM D624	125 (21.9)	185 (32.4)
Linear Dimensional Change, max, %	ASTM D1204	±1.0	-0.2
Ozone Resistance* Condition after exposure to 100 pphm Ozone in air for 168 hours @ 104°F (40°C) Specimen is at 50% strain	ASTM D1149	No Cracks	No Cracks
Brittleness Temp., max, °F (°C)*	ASTM D746	-49 (-45)	-67 (-55)
Resistance to Water Absorption* After 7 days immersion @ 158°F (70°C) Change in mass, max, %	ASTM D471	+8, -2	+3.3
Water Vapor Permeance* Max, perms	ASTM E 96 (Proc. B or BW)	0.10	0.02
Flexibility/Torsion DMA	ASTM D5279-08	N/A	55 MPa @ -40°F
Fungi Resistance	ASTM G21	N/A	0 (No Growth)
Resistance to Outdoor (Ultraviolet) Weathering* Xenon-Arc, total radiant exposure at 0.70 W/m <sup>2</sup> irradiance, 80°C black panel temperature	ASTM G155	No Cracks No Cracking 7,560 kJ/m <sup>2</sup> 3,000 hrs	No Cracks No Cracking 25,200 kJ/m <sup>2</sup> 10,000 hrs
At 0.35 W/m <sup>2</sup> irradiance, 80°C black panel temperature		6,000 hrs	20,000 hrs

\*Not a Quality Control Test due to the time required for the test or the complexity of the test. However, all tests are run on a statistical basis to ensure overall long-term performance of the sheeting.

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

Note: Sure-White non-reinforced EPDM membrane meets or exceeds the minimum requirements set forth by ASTM D4637 for Type I non-reinforced EPDM single-ply roofing membranes.

\* The ENERGY STAR program recommends using the Roof Savings Calculator ([rsc.ornl.gov](http://rsc.ornl.gov)) to determine if a white reflective roof will save or cost you money compared to a dark-colored roof depending on geographic climate conditions, building location, and other variables.



REQUEST FOR INFORMATION

TO: ED LUPINEK, STUDIO JAED

PRE-BID RFI#: 2

FROM: VINNIE COLONNA, EDiS COMPANY

DATE: 3 MAR 17

PROJECT: HIGHLANDS ELEMENTARY SCHOOL – BID PACK 'B'

DWG. # / DETAIL: \_\_\_\_\_ SPEC. SECTIONS: \_\_\_\_\_ PAGE: \_\_\_\_\_

**REQUEST:**

We hereby submit for your consideration the product described below as a substitute for the specified product indicated.

1. SPECIFIED PRODUCT:

- MANUFACTURER: Demilec
- PRODUCT: "Closed-Cell Spray Polyurethane Foam Insulation"
- SECTION: 07 21 00- Thermal Insulation, Part 2, 2.05 Spray Foam Insulation A.1.-9.

2. PROPOSED PRODUCT:

- MANUFACTURER: Accella Polyurethane Systems
- PRODUCT: Foamsulate 220 (AND) QuadFoam 2.0 Closed cell spray polyurethane foam insulations

See attached product information for Foamsulate 220 (AND) QuadFoam 2.0 Closed cell spray polyurethane foam insulations

Submitted By: Manny Saucedo/ Accella Polyurethane Systems

Date: 2 March 17

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**RESPONSE:** NO CLOSED-CELL SPRAY FOAM INSULATION IN PROJECT. ADDENDUM #1 SHEET A6.2 CORRECTED.

Response By: Gabe Cheung, AIA, NCARB, LEED AP

Date: 3/8/17

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March 3, 2017

**SUBSTITUTION REQUEST FORM**  
**PRODUCTS: FOAMSULATE 220 (AND) QUADFOAM 2.0**  
**CLOSED-CELL SPRAY FOAM INSULATION**

**TO: EDIS Company Headquarters**

Attention of: Vincent "Vinny" Colonna  
110 S. Poplar St.  
P.O.Box 2697  
Wilmington, DE 19805  
Phone No.: 302-421-5700  
E-mail: [vcolonna@ediscompany.com](mailto:vcolonna@ediscompany.com)

**PROJECT: HIGHLANDS ELEMENTARY SCHOOL CAPITAL IMPROVEMENTS**  
**Red Clay Consolidated School District      Wilmington, DE**  
**StudioJAED Project No. 15050**

We hereby submit for your consideration the product described below as a substitute for the specified product indicated.

**1. SPECIFIED PRODUCT:**

- **MANUFACTURER:** No Specified
- **PRODUCT:** "Closed-Cell Spray Polyurethane Foam Insulation"
- **SECTION:** 07 21 00- Thermal Insulation, Part 2- Spray Foam Insulation

**2. PROPOSED PRODUCT:**

- **MANUFACTURER:** Accella Polyurethane Systems
- **PRODUCT:** Foamsulate 220 (AND) QuadFoam 2.0 Closed cell spray polyurethane foam insulations

**3. SUBMITTED BY:**

Manny Saucedo  
Accella Polyurethane Systems  
Cartersville, GA  
Phone: 770-500-0185  
E-mail: [msaucedo@accellapolyurethane.com](mailto:msaucedo@accellapolyurethane.com)

**SUPPORTING DATA:**

Please review the attached data including product description, Technical Data Sheet, Material Safety Data Sheet, ICC ESR #, Product Warranty, and Installation Guidelines.

For further assistance contact Accella Polyurethane Systems, ask for Manny Saucedo, Architectural Specification, Technical, and Lead Manager at phone number 770-500-0185 or by e-mail at: [msaucedo@accellapolyurethane.com](mailto:msaucedo@accellapolyurethane.com)



REQUEST FOR INFORMATION

TO: ED LUPINEK, STUDIO JAED

PRE-BID RFI#: 3

FROM: VINNIE COLONNA, EDiS COMPANY

DATE: 3 MAR 17

PROJECT: HIGHLANDS ELEMENTARY SCHOOL – BID PACK 'B'

DWG. # / DETAIL: \_\_\_\_\_ SPEC. SECTIONS: \_\_\_\_\_ PAGE: \_\_\_\_\_

**REQUEST:**

**Is there a place to stockpile the dirt on dirt from the ramp we cut in to the front yard for access?  
Just want to know if we need to remove it from site all together and bring it back.**

Submitted By: Carl Suppi / Suppi Construction Date: 27 Feb 17

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**RESPONSE:**

**Topsoil stripping and stockpiling shall be offsite as laydown area is limited.**

Response By: Vinnie Colonna / EDiS Company Date: 3 Mar 17

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REQUEST FOR INFORMATION

TO: ED LUPINEK, STUDIO JAED

PRE-BID RFI#: 4

FROM: VINNIE COLONNA, EDiS COMPANY

DATE: 3 MAR 17

PROJECT: HIGHLANDS ELEMENTARY SCHOOL – BID PACK 'B'

DWG. # / DETAIL: \_\_\_\_\_ SPEC. SECTIONS: \_\_\_\_\_ PAGE: \_\_\_\_\_

**REQUEST:**

- 1. Frames for Doors D01 and D02 are labeled as hollow metal. We believe that they should be aluminum.**
- 2. Frames for Doors D09 and D003B are missing jamb details. Are these existing frames? If not, please provide jamb details.**
- 3. Door D003C is labeled as FRP. We believe this should be hollow metal. This is based upon its assignment to Hardware Set #6 which classifies it as a steel door.**
- 4. Hardware Set #6 needs a power transfer for the exit device.**

Submitted By: Tim Greenwood / Berks Products, Inc.

Date: 3 Mar 17

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**RESPONSE:**

1. DOORS D01 AND D02 TO REMAIN HM. SEE DRAWINGS A6.1 IN ADD. #1.
2. SEE DRAWING A6.1 IN ADD. #1.
3. DOOR D003C TO REMAIN FRP.
4. SEE UPDATED HARDWARE SET IN ADDENDUM #1.

Response By: Gabe Cheung, AIA, NCARB, LEED AP

Date: 3/8/17

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REQUEST FOR INFORMATION

TO: ED LUPINEK, STUDIO JAED

PRE-BID RFI#: 5

FROM: VINNIE COLONNA, EDiS COMPANY

DATE: 3 MARCH 2017

PROJECT: HIGHLANDS ELEMENTARY SCHOOL RENOVATIONS – BID PACK 'B'

DWG. # / DETAIL: \_\_\_\_\_ SPEC. SECTIONS: \_\_\_\_\_ PAGE: \_\_\_\_\_

**REQUEST:**

**Please find attached our request for substitution packages for the roller shades on the above-referenced project. We have reviewed the specifications and believe our FlexShade XD System matches the specified product. Should you have any questions or require any additional information, please feel free to contact me. My contact information is listed on the substitution request form.**

Submitted By: Jessi Wright/ Draper, Inc.

Date: 3 Mar 17

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**RESPONSE:** Substitution OK.

Response By: Gabe Cheung, AIA, NCARB, LEED AP

Date: 3/6/17

---

# SUBSTITUTION REQUEST

(During the Bidding Phase)

Project Red Clay Consolidated School District  
Highlands Elementary School Addition Substitution Request Number: \_\_\_\_\_  
 From: Jessi Wright; Draper Inc.  
 To: StudioJAED Architects & Engineers Date: \_\_\_\_\_  
 A/E Project Number: 15050-A  
 Re: Roller Shade Substitution Contract For: Addition

Specification Title: Roller Shades Description: Sunscreen roller shades  
 Section: 12 24 13 Page: 2 Article/Paragraph: 2.01 B

Proposed Substitution: Draper Inc. as approved equal manufacturer  
 Manufacturer: Draper Inc Address: 411 S Pearl St. Spiceland, IN 47385 Phone: 765-987-7999  
 Trade Name: Window Treatments Model No.: FlexShade XD

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Jessi Wright  
 Signed by: Jessi Wright  
 Firm: Draper Inc.  
 Address:  411 S. Pearl St. Spiceland, IN 47385  
jessi.wright@draperinc.com  
 Telephone:  765-856-1334

A/E's REVIEW AND ACTION

- Substitution approved - Make submittals in accordance with Specification Section 01330.  
 Substitution approved as noted - Make submittals in accordance with Specification Section 01330.  
 Substitution rejected - Use specified materials.  
 Substitution Request received too late - Use specified materials.

Signed by: \_\_\_\_\_

Date: \_\_\_\_\_

Supporting Data Attached:  Drawings  Product Data  Samples  Tests  Reports  \_\_\_\_\_



## About Draper

Draper, Inc. was founded in 1902 by Luther O. Draper as a manufacturer of window shades for schools. Mr. Draper saw the problem of the sun's heat and glare in schools—the largest buildings in most communities at that time. He addressed that problem by making and selling spring-roller window shades in Spiceland, Indiana, 40 miles east of Indianapolis.

The window shade business grew through two world wars and a depression. Today, Draper offers lines of window shades for the commercial, educational, and residential markets, and is one of the country's largest manufacturers of window shades. Draper window shades are sold through leading window coverings dealers across the United States

Today, Draper utilizes a state-of-the-art 400,000 square foot manufacturing facility. Draper offers unmatched customer service and support and has continued to expand and grow its product lines through the recent recession and slow economy.

Draper's in-house engineering department designs our own product components, including clutches, roller tubes, and window shade hardware.



Draper's original factory, c. 1920.



Draper, Inc.'s manufacturing facility today.

# RELAX.



## YOUR PURCHASE IS COVERED.

**The quality of Draper FlexShades is unmatched. We're so sure that your window shades will look great and work well (and continue to do so) that we are offering a 25-year limited warranty on most interior shade products.**

**We just don't think you'll need it.**

Draper, Inc. warrants that its products are free from defects in material and workmanship for the following specified warranty periods:

**For Draper's interior shading products:**

- 25 years for most Draper FlexShade interior window shade models (excluding Infinity, Infinity 2, GreenScreen® Revive™, EcoShade, and Vela fabrics).
- 10 years for the Draper Techmatic, the Draper Spring Roller Window Shade (excluding Infinity, Infinity 2, GreenScreen® Revive™, EcoShade, and Vela fabrics), and the spring assist mechanism used in any Draper window treatment product.
- 5 years for controls, electronic accessories and motors for the above products, and also for above interior window shade models with Infinity, Infinity 2, GreenScreen® Revive™, EcoShade, and Vela fabrics.
- 1 year for the Draper FlexShade ZIP; the Draper Custom Tension System; the Draper Omega Venetian Blinds; the Draper FlexLouver Rack Arm System, and the Draper FlexWave Light Shelf.

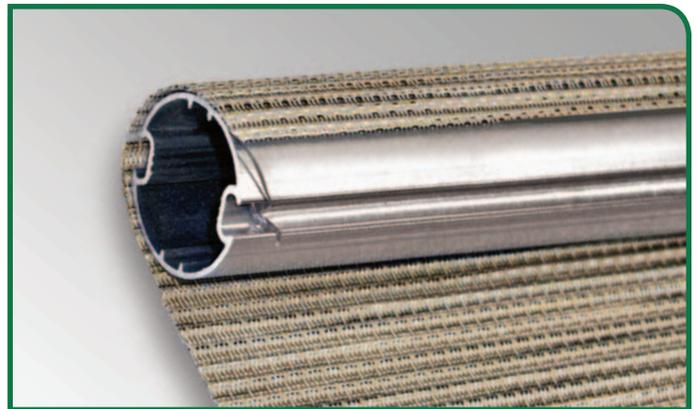
**For Draper's exterior shading products:**

- 5 years for most Draper Exterior FlexShade models.
- 1 year for the Draper FlexShade ZIP, the Draper Custom Tension System, the Draper Omega Venetian Blinds, the Draper FlexLouver Rack Arm System, the s\_enn® Shading System, and the s\_onro® Daylighting Shutter System.

For more details, please contact Draper or visit our website at [www.draperinc.com/go/FlexShadeWarranty.htm](http://www.draperinc.com/go/FlexShadeWarranty.htm).



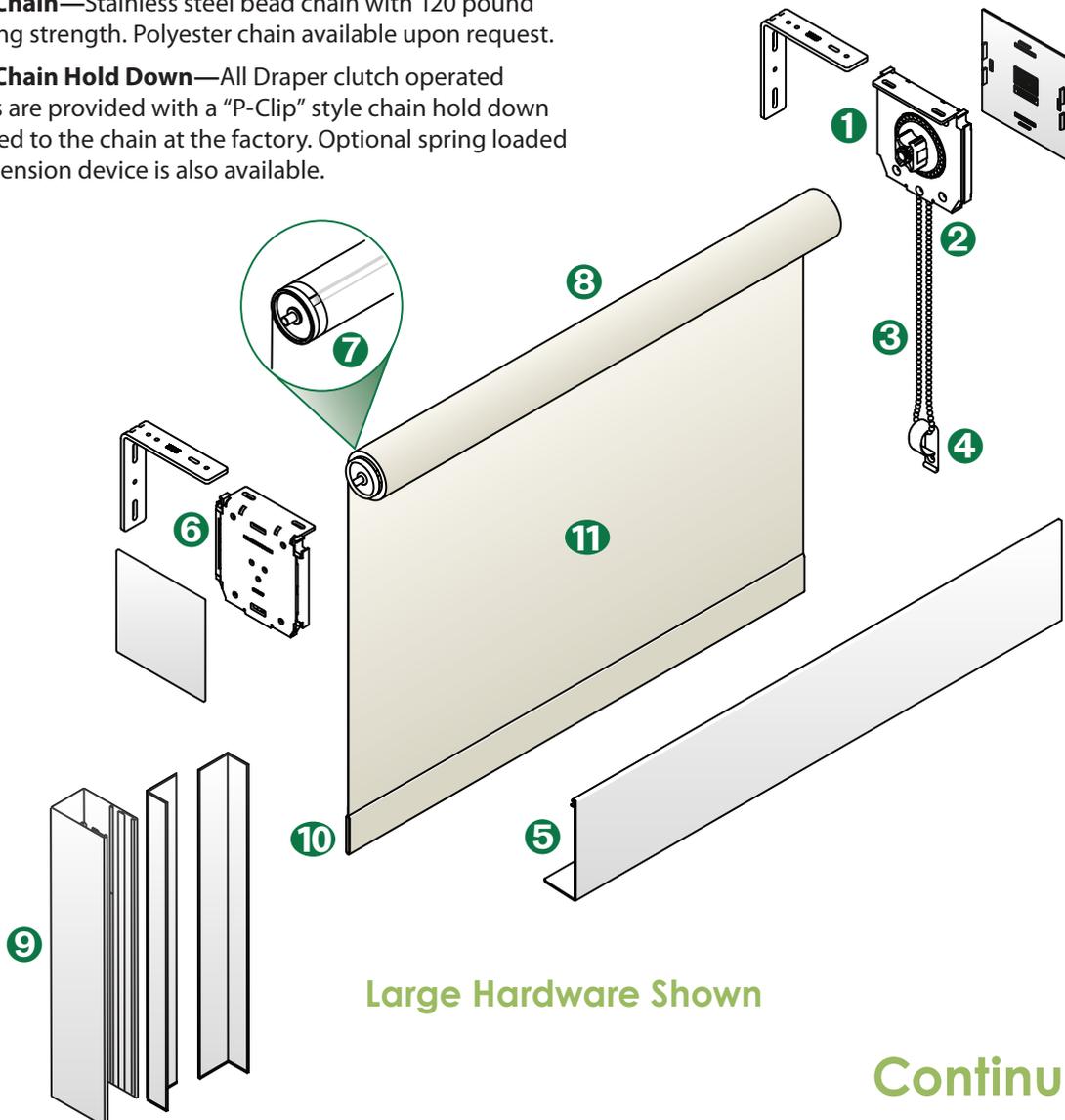
## Clutch FlexShade XD Product Fact Sheet



*Installation above by Motorized Sun Solutions. Photography by Matt Oberer, matt o photo. Both of Albuquerque, NM.*

# Clutch FlexShade XD Product Fact Sheet

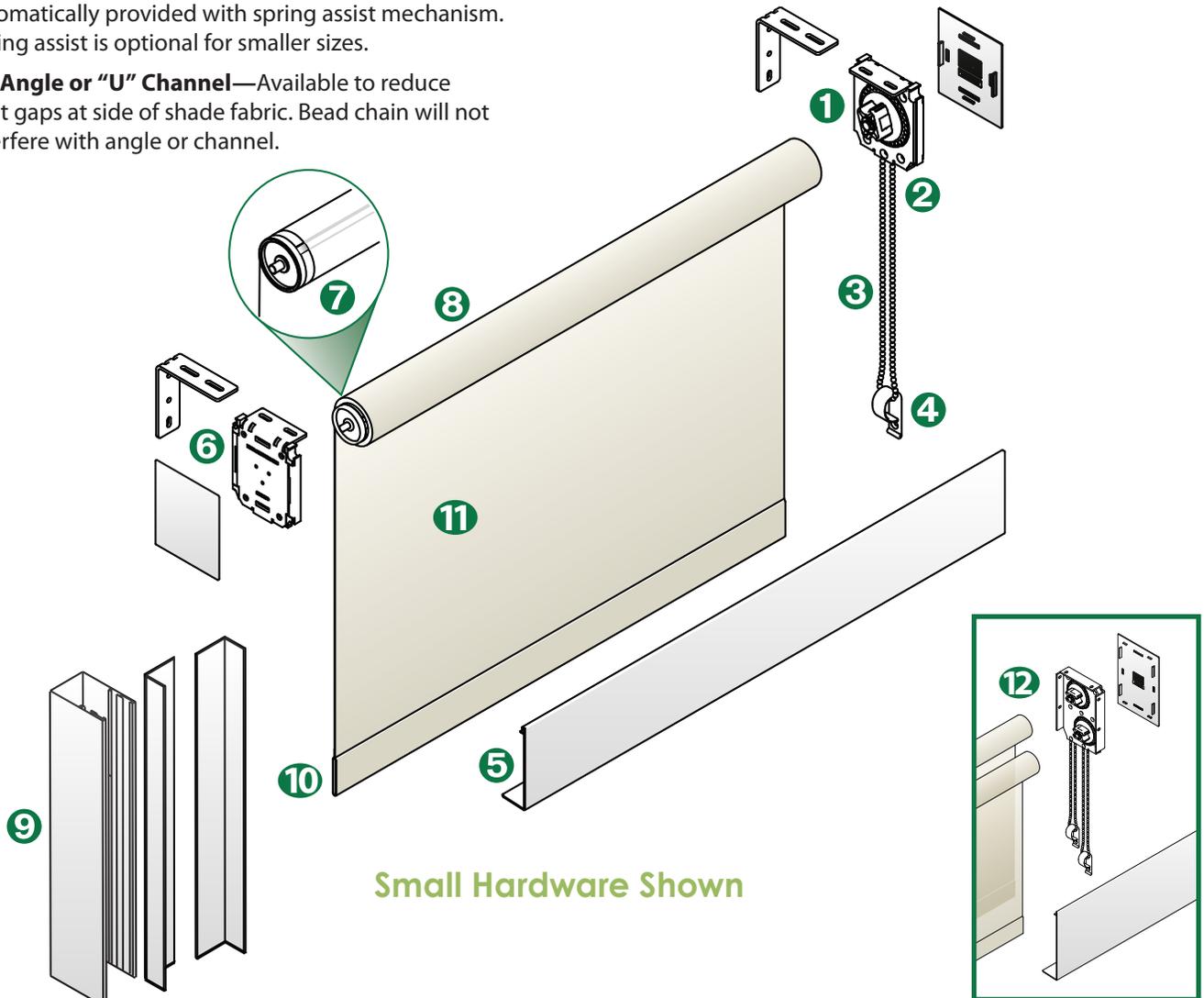
- 1. XD Clutch Mechanism**—POM thermoplastic with welded 9 mm (.354") primary steel post, and rotational bearing to ensure smooth, quiet operation. POM is an engineering thermoplastic used in precision parts that require high stiffness, low friction and excellent dimensional stability. Trade names of POMs include DuPont, Delrin; Ticona Hostaform, Celcon; and Polyplastic Duracon. The XD clutch has overrunning design. Positive mechanical attachment of drive mechanism to roller tube. White or black color options.
- 2. Centered Bead Chain Drive**—Bead chain will not interfere with optional side channels.
- 3. Bead Chain**—Stainless steel bead chain with 120 pound breaking strength. Polyester chain available upon request.
- 4. Bead Chain Hold Down**—All Draper clutch operated shades are provided with a "P-Clip" style chain hold down attached to the chain at the factory. Optional spring loaded chain tension device is also available.
- 5. Fascia Cover**—FlexShade XD is compatible with standard Draper fascia panel or headbox cover. Aluminum L-shaped or radius fascia cover. Snaps onto endcaps without exposed fasteners. No notching of fascia required. Continuous fascia can cover two or more shade bands. Available in clear anodized, black, bronze, ivory, or white powdercoat finish. Optional powder coat colors are available. Full range of hardware accessories is available.



**FlexShade XD Warranty**—Single source limited 25-year warranty. Includes all hardware, XD clutch, and shade fabric.

## Clutch FlexShade XD Product Fact Sheet

6. **Mounting Brackets (endcaps)**— $\frac{1}{8}$ " thick zinc plated steel with reinforcement ribs. Suitable for wall or ceiling installation. Wall brackets are provided standard with every shade. 2 sizes:  $3\frac{1}{4}$ " x  $3\frac{3}{4}$ " and  $4\frac{1}{2}$ " x  $4\frac{1}{2}$ ". Snap on plastic end cap covers are included.
7. **Fabric Attachment**—Shade fabric attached to aluminum roller tube with spline fabric attachment method. Allows for easy removal of fabric panel without removal of roller tube assembly.
8. **Roller Tube**—1.56", 2", 2.36", or 2.56" diameter extruded aluminum roller tube as appropriate for size of shade. **Spring Assist Mechanism** ensures smooth operation of large shades. Larger units are automatically provided with spring assist mechanism. Spring assist is optional for smaller sizes.
9. **"L" Angle or "U" Channel**—Available to reduce light gaps at side of shade fabric. Bead chain will not interfere with angle or channel.
10. **Bottom Hem Pocket**— $2\frac{1}{8}$ " heat sealed bottom hem pocket with  $\frac{1}{8}$ " x 1" aluminum slat. Pocket ends are heat sealed so slat bar cannot be easily removed.
11. **Shade Fabric**—Draper uses fabrics from leading textile mills. Unmatched style and color choices. Many fabrics have GREENGUARD<sup>®</sup> certification, and MicroBan<sup>®</sup> antimicrobial treatment. Also offer PVC-free and recyclable fabrics. Fire retardancy and antimicrobial documentation and testing reports are available.
12. **Dual Roller FlexShade XD is also available.**



**FlexShade XD Warranty**—Single source limited 25-year warranty. Includes all hardware, XD clutch, and shade fabric.

# FlexShade XD by Draper, Inc.

## Prior Approval Side-By-Side Comparison

Specification Section	Draper, Inc.	Specified
Quality- Years manufacturing window shades, and use of materials which meet ASTM- G21 and NFPA 701 standards	Draper began manufacturing window shades in 1902. Fabrics used for your projects meet ASTM G21 and NFPA 701 standards.	The specified has been manufacturing for 40+ years. Their fabrics appear to meet the required standards.
Warranty- 25 year limited lifetime warranty	Draper products are backed by a 25 year limited lifetime warranty.	Product has 25 year limited lifetime warranty.
Chain	Draper uses stainless steel chain with a tensile strength of more than 120 lbs.	The specified uses stainless steel chain with a 90 lb tensile strength.
Hembar & hempocket	Draper uses a metal slat of appropriate size and thickness. The hempockets are heat sealed.	The specified product uses metal hembars and heat sealed hempockets.
Positive mechanical engagement and attachment of fabric to roller	Draper's roller is grooved to slide over the clutch drive. The fabric is welded to a spline. The spline is pressed into one of the two grooves.	The specified uses a spline system to attach the fabric to the roller.
Fascia	Draper's fascia allows for continuous mounting over multiple shades if requested. The fascia does not require exposed fasteners for attachment. Notching is never required for chain drops, with or without U channel.	The specified fascia can be mounted continuously over multiple shades. The fascia does not require exposed fasteners. Notching is not required for shades without U channels.
Drive Assembly	Draper uses a POM thermoplastic with a welded 9 mm primary steel post and rotational bearing to ensure smooth, quiet operation. POM trade names include DuPont Delrin; Ticona Hostaform, Celcon; and Polyplastic Duracon.	The specified uses a POM thermoplastic with a lubricated hub on a steel post.
Pockets	Draper uses an extruded aluminum pocket or steel pocket with exposed aluminum extruded closures.	The specified uses an extruded aluminum pocket or steel pocket with exposed aluminum extruded closures.
Fabrication	Draper shades are manufactured with equal fabric deductions on each side. Draper shades are manufactured to a 1/8" deflection tolerance so the sag in the middle of the roller does not create excessive distortion or buckling. Draper hangs and backlights each shade to inspect for tracking problems and fabric defects.	The specified product requires the shade to hang flat without buckling or distortion or shifting more than an 1/8 inch either direction.
Finishes	Draper powder coats its hardware with an on-site powder coat line. This tough, durable, and environmentally friendly process ensures minimum handling of coated product and maximum offering of colors with a quick lead-time.	The specified product uses a baked-enamel finish from the manufacturer's color range.



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*Please Note: Statements about the specified product are based on published information, and are subject to change.*

**Telephone—800-989-0126/Fax—866-637-5611**

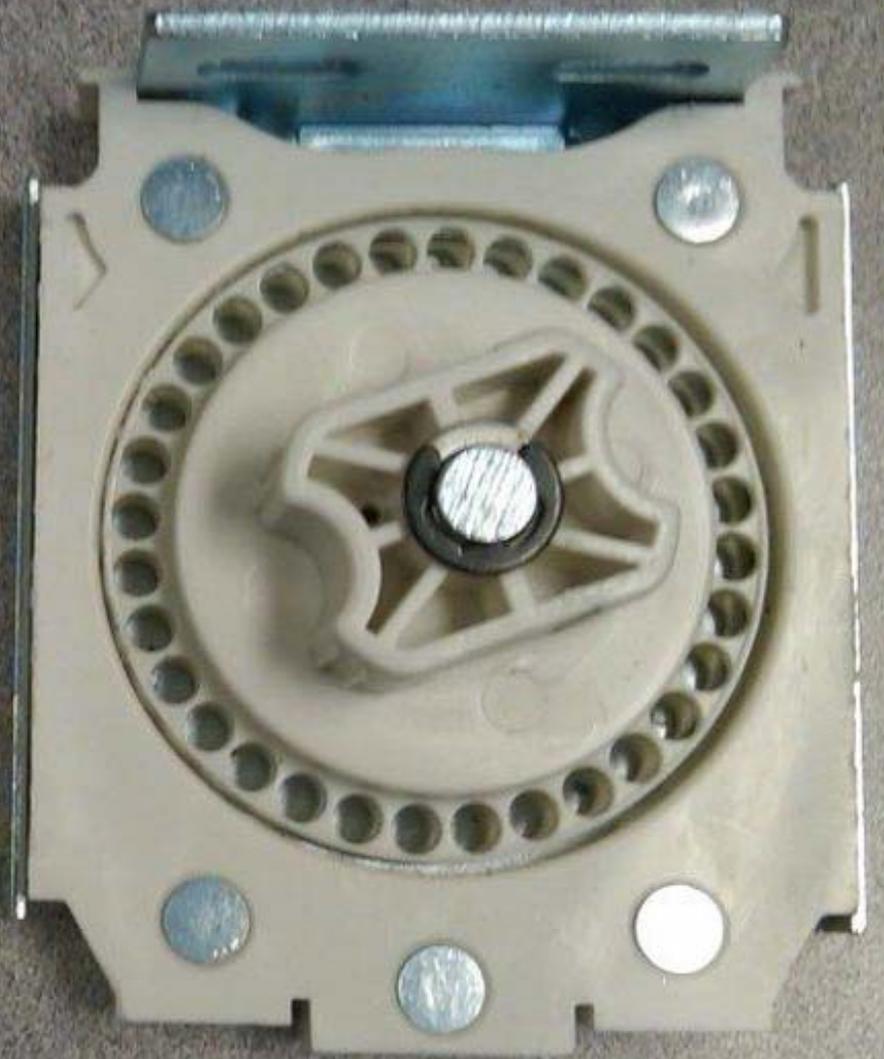
**After hours, call our West Coast office at 714-447-4383.**

# Draper Clutch FlexShade XD v Mecho M5

	Draper		Mecho
<b>Bracket /Clutch</b>			
Thickness	.125"		.125"
X tra strength	Reinforcement ribs		N/A
Surface Area	Larger		N/A
Zinc Plated	Y		Y
<b>Primary Post</b>			
Diameter	9 mm/ .354"		7.8 mm .311"
One piece machined steel	Yes		No
<b>Post Attachment</b>	Tig Welded		Swaged
<b>Clutch Area</b>			
Width	12.7mm/ .50"		12.7 mm/ .50"
Bundle Diameter	Larger		N/A
<b>Rotational Bearing</b>	Yes		No
<b>Rivets</b>			
clutch		5	4
Idler		7	6
Recessed on rear	Yes		No
Centered	Yes		No
<b>Chain Exits</b>	2 Centered Lower/reduces chain interference		4/Offset N/A
<b>Plastic Material</b>	POM		POM
<b>Endcap Attachment</b>	Mechanical Snap On		Tape
<b>Patents</b>	N/A		Friction Hb and Spring
<b>Idler Notes</b>	Printed		Printed



Mecho



Draper







# FlexShade XD

*Premium clutch-operated window shade*

Re: Draper XD Cycle Tests

To whom it may concern,

Testing was conducted on the Draper XD clutch at maximum lifting capacity and maximum shade height. This testing was done for 20,000 cycles (from the full raised position to completely lowered then returned to full raised position, this equals 1 cycle). After the testing was completed, the XD Clutch continued to perform to specification. It was subsequently dismantled and examined, the XD Clutch was observed to have negligible signs of wear. 20,000 cycles would represent approximately 55 years of use if it was used daily in a full up to full down to full up cycle.

Best regards,  
Jeffrey A. Miller

Manager, Solar Control Products  
Draper, Inc.

# FlexShade XD

Premium clutch-operated window shade

by

# DRAPER

Please check all appropriate selections and attach room schedule with verified dimensions.

### Select Operator Location

Select **right side (standard)** or left side as seen from inside the room, facing the window. Also indicate selection on room schedule.

- Right Side (standard)
- Left Side

### Select Hardware

- Brackets Only
- Fascia
  - Large
    - Radius
    - Square
  - Small
    - Radius
    - Square
- Headbox
  - Large
    - Ceiling/Wall Style
    - Pocket Style
  - Small
    - Ceiling/Wall Style
    - Pocket Style
- Type "D" Pocket
  - Type "D" Corners (How Many? \_\_\_\_\_)
    - Inside
    - Outside
  - Type "D" Endcap Kits (2 endcaps) (How Many? \_\_\_\_\_)
- Wall Clip
  - With ceiling tile lip
  - Without ceiling tile lip
- Closure Panel for Type D or Wall Clip
  - 1½" closure panel (recommended for clutch operated FlexShades)
  - 3" closure panel (notching required for Clutch FlexShades)
  - 5" closure panel (for wall clip only)
- Dual Roller FlexShade XD
  - Endcaps Only
  - Endcaps with Fascia

- Horizontal Dual Roller FlexShade XD
  - Endcaps Only
  - Endcaps with Small Fascia (large fascia not an option)
- Optional Channels for Light Gap Reduction (special installation considerations for use with Dual Roller FlexShade XD. Contact Draper for details)
  - "U" Channel 1" x 2½" x 16' length
  - "H" Channel 1" x 5" x 16' length
  - "L" Angle ¾" x 1" x 12'3" length
  - "L" angle 1" x 2¾" x 16' length

### Select Hardware Finish

- Clear Anodized (standard)
- Black  Ivory
- White  Bronze

### Select Fabric Orientation

- Regular Roll (from back of roller)
- Reverse Roll (from front of roller) [Not available with fascia]

### Select Operator Chain

- Stainless Steel Chain (standard)
- Polyester Chain
  - Ivory
  - Grey
  - Black
  - Brown
  - White

### Select Cord Tension Device (Bead Chain only)

- P-Clip Cord Tension Device
- Optional Spring Loaded Cord Tension Device

### Select Clutch Color

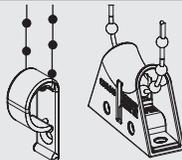
- White (standard)
- Black

### Optional Spring Assist

- Spring Assist per manufacturer's standards (standard as required)
- Spring Assist on all units

### Safety Note for Bead Chain Clutch Shades

Please Note: If shades are to be installed in areas accessible to young children, be certain to use cord tension device included with Bead Chain Clutch shades. Clutch-operated shades should not be installed near cribs or playpens.



For fabric selection and dimensions, please see pages 2 and 3.

PROJECT: \_\_\_\_\_

ARCHITECT: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

SUPPLIER: \_\_\_\_\_

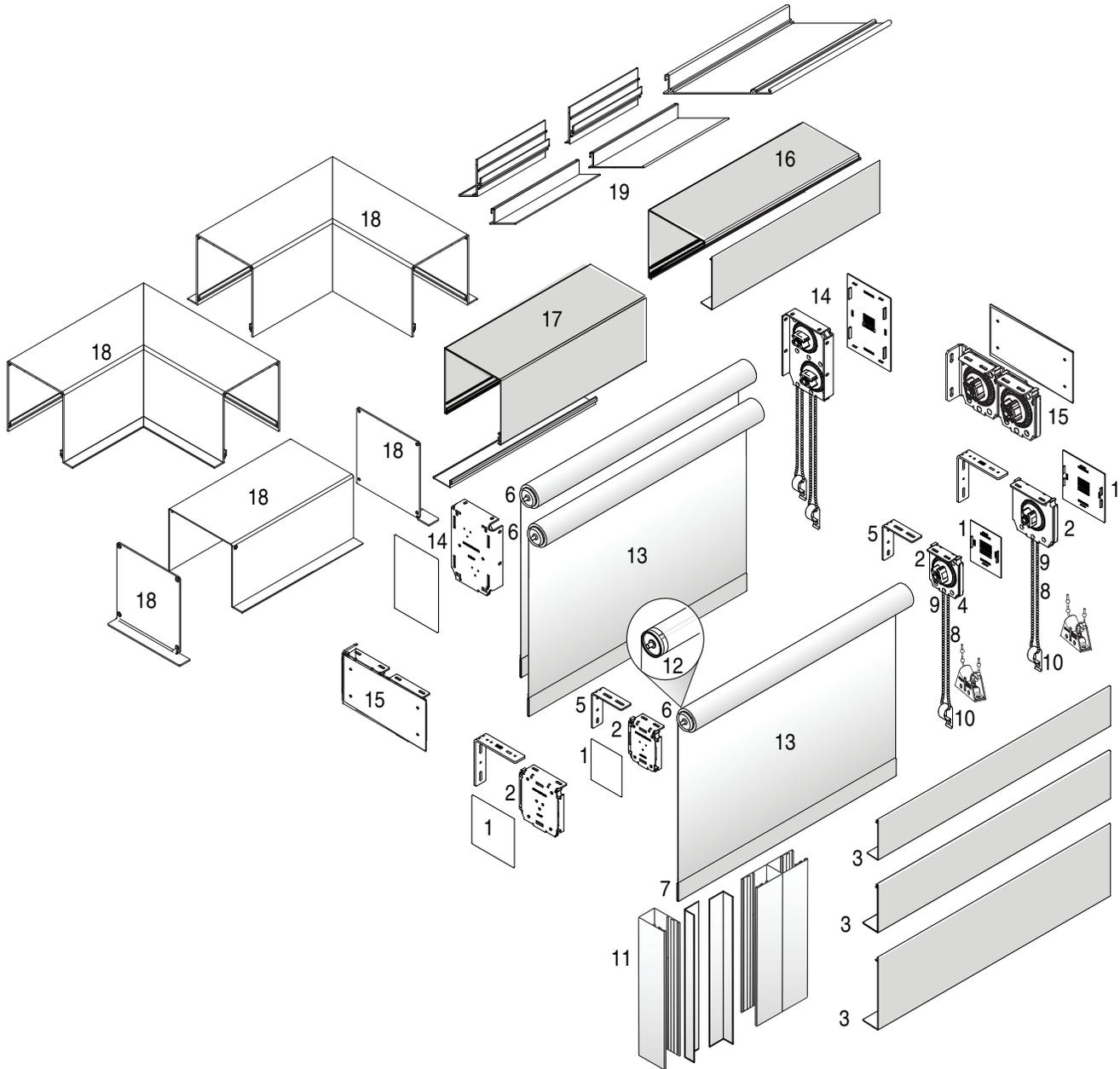
DATE: \_\_\_\_\_ REVISED: \_\_\_\_\_

# DRAPER®

411 S. Pearl St., Spiceland, IN 47385 USA ■ 765-987-7999  
www.draperinc.com ■ fax 765-987-7142

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Printed in U.S.A.



- ① End Cap Covers.
- ② Mounting Brackets (endcaps).
- ③ Fascia Cover
- ④ XD Clutch Mechanism.
- ⑤ Wall Brackets.
- ⑥ Roller Tube.
- ⑦ Bottom Hem Pocket.
- ⑧ Centered Bead Chain Drive.
- ⑨ Bead Chain.
- ⑩ Bead Chain Hold Down. Optional spring loaded chain tension device is also available.
- ⑪ "L" Angle, "H" Channel or "U" Channel.
- ⑫ Fabric Attachment.
- ⑬ Shade Fabric.
- ⑭ Dual Roller FlexShade XD.
- ⑮ Horizontal Dual Roller FlexShade XD.
- ⑯ Ceiling/Wall Headbox.
- ⑰ Pocket Headbox.
- ⑱ Type "D" Pocket. Pre-welded corners and endcaps optionally available.
- ⑲ Wall Clips and Closures with or without ceiling tile lip.
- ⑳ Optional Spring Assist Mechanism not shown.

**⚠ Caution: When mounting a FlexShade XD in a headbox, the unit must be ceiling mounted with fasteners through the clutch and idler brackets. The headbox extrusion cannot be mounted to a structure unless the XD brackets are secured inside the extrusion.**

## Specifications—FlexShade XD

### Equipment

**XD Clutch Operator:** POM thermoplastic with welded 9 mm (.354") primary steel post with rotational bearing to ensure smooth and quiet operation. Overrunning design. Positive mechanical engagement of drive mechanism to tube. White (standard) or black color options. Stainless steel (standard) bead chain, or polyester control loop. Polyester chain in ivory, black or grey.

**Rollers:** Extruded aluminum 1.56", 2", 2.36", 2.56" and 3.12" diameter roller tube as appropriate for size of shade.

### Components

**Endcap:** 1/8" thick zinc plated steel with reinforcement ribs. Wall or ceiling installation. 2 sizes: 3 1/4" x 3 3/4" and 4 1/2" x 4 1/2". Wall mount brackets are provided as standard. Snap-on plastic end cap covers to match clutch color.

**Fabric Attachment:** Fabric attached to roller tube with spline fabric attachment method. Allows for removal of fabric panel without removal of roller assembly.

**Fascia:** Optional L-shaped or radius cover of 6063-T5 extruded aluminum. Assembly snaps onto endcaps without exposed fasteners. **Clear anodized finish (standard)** or ivory, bronze, black or white powder coat. Fascia can also be wrapped in fabric. Radius fascia on small hardware only.

**Headbox:** Standard consists of fascia, L-shaped back/top cover. Assembly snaps onto endcaps. Optional, for pocket installation, includes a U-shaped back/top/front cover with removable bottom closure panel. Small size: 3 7/16" x 3 15/16". Large size: 4 11/16" x 4 11/16". Some exposed fasteners required. **Clear anodized (standard)** finish or black, white, ivory or bronze powder coat finish.

**Slat:** Aluminum, encased in heat seamed hem.

**Type D Pocket:** Fabricated of 6063-T5 aluminum alloy for perimeter installation. Finished white. 5" x 5 3/8" x .125" with tile support lip and removable bottom closure. Pre-welded corners and endcaps optionally available. Larger 9 1/2" x 5 3/8" x .125" version for mounting two XD mechanisms in the same pocket also available.

**Dimensions:** Shades to fit windows with maximum protection from light streaks. Finished length of shades no less than 6" greater than window height.

**"L" Angle** (3/4" x 1" x 12'3", 1" x 2 3/4" x 16' or cut to length) and **"U" Channel** (1" x 2 1/2" x 16' or cut to length): Accepts side edges of fabric, prevents light gaps. Interior of channel provides for use of flat head screws. Dimensions of rollers, operators and hardware at manufacturer's discretion.

## Specifications—Dual Roller FlexShade with XD Clutch

Two rollers mounted to a single set of endcaps, to accept fascia.

### Equipment

**XD Clutch Operator:** POM thermoplastic with welded 9 mm (.354") primary steel post with rotational bearing to ensure smooth and quiet operation. Overrunning design. Positive mechanical engagement of drive mechanism to tube. White (standard) or black color options. Stainless steel (standard) bead chain, or polyester control loop. Polyester chain in ivory, black or grey.

**Rollers:** Extruded aluminum 1.56", 2" or 2.56" diameter roller tube as appropriate for size of shade.

### Components

**Dual Roller Endcaps (vertical):** 1028 steel stamping. Complete with adapter roller bracket. Installs to wall or ceiling. Shades mount in vertical configuration (see drawings). Accepts fascia.

**Fabric Attachment:** Fabric attached to roller tube with spline fabric attachment method. Allows for removal of fabric panel without removal of roller assembly.

**Fascia (for Endcaps):** L-shaped cover of extruded aluminum, .060 wall. Assembly snaps onto endcaps without exposed fasteners. **Clear Anodized (standard)**, black, white, ivory, or bronze powder coat finish available.

**Horizontal Dual XD FlexShade Bracket:** 1028 steel stamping. Complete with adapter roller bracket. Installs to wall. Shades mount in horizontal configuration (see drawings). Accepts standard XD fascia.

**"L" Angle** (3/4" x 1" x 12'3", 1" x 2 3/4" x 16' or cut to length), **"U" Channel** (1" x 2 1/2" x 16' or cut to length) and **"H" Channel** (1" x 5" x 16' or cut to length): Accepts side edges of fabric, prevents light gaps. Interior of channel provides for use of flat head screws.

**Dimensions of rollers, operators and hardware at manufacturer's discretion.**

## Select Fabric \_\_\_\_\_ Color name and number

### Blackout

Draper SB9000 \_\_\_\_\_  
 Draper SB9100 \_\_\_\_\_  
 Mermet Edessa Twilight FR \_\_\_\_\_  
 Mermet Flocke \_\_\_\_\_  
 Mermet Vizela \_\_\_\_\_  
 Phifer SheerWeave® SW7000 \_\_\_\_\_  
 Phifer SheerWeave® SW7100 \_\_\_\_\_

### Solar

**23%**  
 Phifer SheerWeave® SW1000 \_\_\_\_\_  
**14%**  
 Phifer SheerWeave® SW3000 \_\_\_\_\_  
**10%**  
 Mermet "E" Screen \_\_\_\_\_  
 Phifer SheerWeave® SW2100 \_\_\_\_\_  
 Phifer SheerWeave® SW2710 \_\_\_\_\_  
 Phifer SheerWeave® SW2600 \_\_\_\_\_  
 Phifer SheerWeave® SW2410 \_\_\_\_\_  
 Phifer SheerWeave® PW4100 \_\_\_\_\_  
**5%**  
 GreenScreen Revive \_\_\_\_\_  
 Mermet "E" Screen \_\_\_\_\_  
 Mermet "M" Screen \_\_\_\_\_  
 Mermet Silverscreen \_\_\_\_\_  
 Phifer SheerWeave® Basic \_\_\_\_\_  
 Phifer SheerWeave® Infinity 2 \_\_\_\_\_  
 Phifer SheerWeave® SW2000 \_\_\_\_\_  
 Phifer SheerWeave® SW2705 \_\_\_\_\_

Phifer SheerWeave® SW2900 \_\_\_\_\_  
**Phifer SheerWeave® PW3500** \_\_\_\_\_  
 Phifer SheerWeave® PW4500 \_\_\_\_\_  
 Phifer SheerWeave® PW4550 \_\_\_\_\_  
 Phifer SheerWeave® Infinity 2 \_\_\_\_\_  
 Mermet Silverscreen \_\_\_\_\_  
**4%**  
 Mermet "S" Screen \_\_\_\_\_  
**3%**  
 Mermet "E" Screen \_\_\_\_\_  
 Mermet "M" Screen \_\_\_\_\_  
 Phifer SheerWeave® Basic \_\_\_\_\_  
 Phifer SheerWeave® Infinity 2 \_\_\_\_\_  
 Phifer SheerWeave® SW2703 \_\_\_\_\_  
 Phifer SheerWeave® SW2400 \_\_\_\_\_  
 Phifer SheerWeave® PW4400 \_\_\_\_\_  
 Phifer SheerWeave® PW4600 \_\_\_\_\_  
 Phifer SheerWeave® PW4650 \_\_\_\_\_  
 Ferrari Soltis 99 \_\_\_\_\_  
**1%**  
 GreenScreen Revive \_\_\_\_\_  
 Mermet "E" Screen \_\_\_\_\_  
 Mermet "T" Screen \_\_\_\_\_  
 Mermet Vizela \_\_\_\_\_  
 Phifer SheerWeave® SW2701 \_\_\_\_\_  
 Phifer SheerWeave® SW2500 \_\_\_\_\_  
 Phifer SheerWeave® PW4800 \_\_\_\_\_  
**Varies**  
 Mermet Vela \_\_\_\_\_  
 Phifer SheerWeave® SW5000 \_\_\_\_\_

For additional fabric information, go to [www.draperinc.com/WindowShades/stylelist.asp](http://www.draperinc.com/WindowShades/stylelist.asp).  
 To use our online fabric selection tool, go to [www.draperinc.com/WindowShades/tools/fabricselector](http://www.draperinc.com/WindowShades/tools/fabricselector).



# Interior Sun Control Fabrics

Phifer  
**SheerWeave**<sup>®</sup>

BRAND FABRIC

STYLE PW3500/4100/4400

MADE WITH  
**ecolibrium**<sup>™</sup>  
BIO BASED PLASTICIZERS

**Style PW3500 (4000)**

(5% open)



PW3560 Linen (Alabaster)

**Style PW4100**

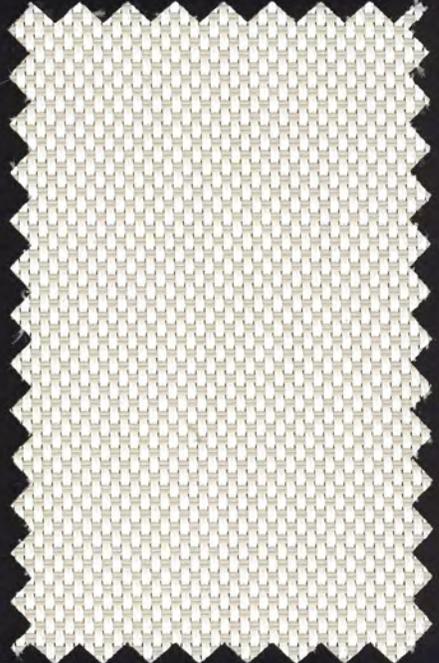
(10% open)



PW4160 Linen (Alabaster)

**Style PW4400**

(3% open)

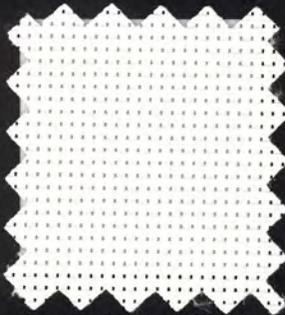


PW4460 Linen (Alabaster)

**A Greener  
Shading Solution**



THE ABOVE STYLES  
ARE ALSO AVAILABLE IN  
THE COLORS SHOWN BELOW.



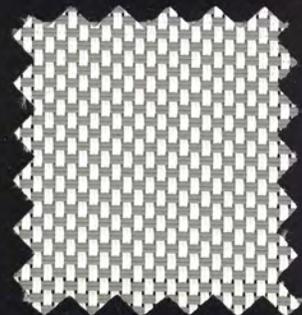
Snowy White (Chalk)



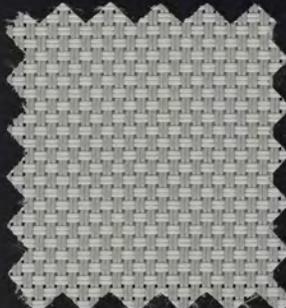
Bone (Pebblestone)



Greystone



Granite



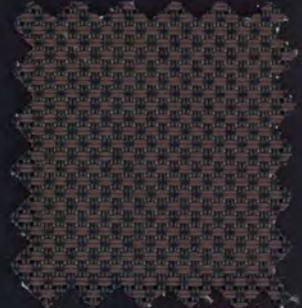
Soft Grey (Pewter)



Ash



Ebony



Tobacco

# SheerWeave® Style PW3500/4100/4400

## Specifications

■ Ideal for use in Roller-Operated Shades, Fixed Panels, and Panel Track, Style PW3500/4100/4400 can also be used in exterior roller shades. DOW ECOLIBRIUM™ Bio-Based Plasticizers offer a renewable alternative that is phthalate-free, offering a more sustainable option while having the same great performance and feel of current materials.

**Fire Classification:** California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), UBC (Class I), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 Large Scale, ASTM E 84 (Class 1), CAN/ULC-S109-03 (large and small scale), and CAN/CGSB2-4.162-M80

**Bacteria and Fungal Resistance:** ASTM E 2180, AATCC30 Part 3, ASTM G21, ASTM D 3273, GREENGUARD Mold and Bacteria Standard ASTM 6329; includes Microban antimicrobial additives

**Environmental Certification:** Certified to GREENGUARD Gold standards for low chemical emissions into indoor air during product usage

**Lead Free:** RoHS / Directive 2002/95/EC, US Consumer Product Safety Commission Section 101, ANSI/WCMA A100.1-2007 for lead content and REACH (EC 1907/2006) compliant

**Acoustical Performance:** NRC (Noise Reduction Coefficient) and SAA (Sound Absorption Average) tested in accordance with ASTM C423-09a. See performance values below.

**Composition:** 25% Polyester, 75% Vinyl on Polyester (Over 50% of compound components are derived from crop-based feed stocks and minerals. Over 2/3 of total compound is derived from non fossil fuel based materials.)

**Standard Uses:** Roller-Operated Shades, Fixed Panels, and Panel Track

**Warranty:** 10-year interior; 5-year exterior



PRODUCT CERTIFIED FOR  
LOW CHEMICAL EMISSIONS  
UL.COM/IGG  
UL 2818



Microban® antimicrobial protection inhibits the growth of stain-causing bacteria, mold and mildew on the shade.



## Style PW3500 (4000)

■ Made from vinyl-coated polyester yarns, Style PW3500 (4000) is designed with today's demanding commercial market in mind.

**Standard Widths:** 63", 84", 98" and 126" (160cm, 213.4cm, 248.9cm and 320cm)

**Standard Roll Length:** 30 Linear Yards (27.4m)

**Mesh Weight:** 19.2 oz/yd<sup>2</sup> (651 g/m<sup>2</sup>)

**Fabric Thickness:** .036 in (0.91mm)

**Openness Factor:** Approximately 5%

**UV Blockage:** Approximately 95%

**Acoustical Value:** NRC .10 / SAA .11

## Style PW4100

■ Similar in design to Style PW3500 (4000), Style PW4100 has a slightly more open weave to provide increased outward visibility.

**Standard Widths:** 63", 84" and 98" (160cm, 213.4cm and 248.9cm)

**Standard Roll Length:** 30 Linear Yards (27.4m)

**Mesh Weight:** 17.5 oz/yd<sup>2</sup> (593 g/m<sup>2</sup>)

**Fabric Thickness:** .035 in (0.89mm)

**Openness Factor:** Approximately 10%

**UV Blockage:** Approximately 90%

## Style PW4400

■ Designed with a 3% openness factor, Style PW4400 offers maximum UV blockage while maintaining good outward visibility.

**Standard Widths:** 63", 84", 98" and 126" (160cm, 213.4cm, 248.9cm and 320cm)

**Standard Roll Length:** 30 Linear Yards (27.4m)

**Mesh Weight:** 20.7 oz/yd<sup>2</sup> (702 g/m<sup>2</sup>)

**Fabric Thickness:** .037 in (0.94mm)

**Openness Factor:** Approximately 3%

**UV Blockage:** Approximately 97%

**Acoustical Value:** NRC .20 / SAA .19

\* Performance evaluations conducted by Matrix, Inc., Mesa, Arizona.

TS = Solar Transmittance  
RS = Solar Reflectance  
AS = Solar Absorption  
TV = Visual Transmittance  
1/4CL = 1/4" Clear Glass  
1CL = 1" Insulating Clear Glass  
1/4HA = 1/4" Heat Absorbing Glass  
1HA = 1" Insulating Heat Absorbing Glass

The solar optical properties are used to calculate the shading coefficient. The shading coefficient represents the percentage of solar heat gain that is transmitted to the interior through the glass and shading system. Darker colors provide maximum glare reduction and visibility. For complete technical information, current test results, performance specifications and larger samples, contact our Sun Control Marketing Department.



411 S. Pearl St. Spiceland, IN 47385  
Ph: 765-987-7999 Fax: 765-987-7142  
www.draperinc.com

### Solar Heat Control Properties of Phifer SheerWeave Style PW3500 (4000) With DOW ECOLIBRIUM™ Fabrics Installed Internally, Zero-Degree Profile Angle

Style No.	Color	*Solar Optical Properties				Shading Coefficient w/ Single Insulating			
		TS	RS	AS	TV	1/4CL	1/4HA	1CL	1HA
PW3510	Snowy White (Chalk)	16	68	16	12	0.32	0.31	0.31	0.25
PW3520	Bone (Pebblestone)	14	49	37	12	0.44	0.37	0.41	0.30
PW3525	Greystone	10	34	56	9	0.52	0.42	0.32	0.24
PW3540	Soft Grey (Pewter)	8	27	65	9	0.56	0.44	0.51	0.36
PW3545	Granite	11	41	48	10	0.48	0.40	0.29	0.23
PW3555	Ash	7	11	82	8	0.66	0.49	0.41	0.30
PW3560	Linen (Alabaster)	15	57	28	13	0.39	0.35	0.36	0.28
PW3570	Ebony	6	5	89	8	0.69	0.51	0.63	0.43
PW3580	Tobacco	7	5	88	8	0.70	0.51	0.44	0.31

### Solar Heat Control Properties of Phifer SheerWeave Style PW4100 With DOW ECOLIBRIUM™ Fabrics Installed Internally, Zero-Degree Profile Angle

Style No.	Color	*Solar Optical Properties				Shading Coefficient w/ Single Insulating			
		TS	RS	AS	TV	1/4CL	1/4HA	1CL	1HA
PW4110	Snowy White (Chalk)	18	66	16	15	0.34	0.32	0.32	0.25
PW4120	Bone (Pebblestone)	16	48	36	15	0.45	0.38	0.41	0.31
PW4125	Greystone	14	35	51	14	0.53	0.42	0.48	0.34
PW4140	Soft Grey (Pewter)	12	26	62	14	0.58	0.45	0.53	0.37
PW4145	Granite	15	42	43	14	0.49	0.40	0.29	0.23
PW4155	Ash	10	10	80	11	0.67	0.50	0.42	0.31
PW4160	Linen (Alabaster)	19	56	25	16	0.41	0.36	0.38	0.29
PW4170	Ebony	10	4	86	11	0.71	0.52	0.64	0.43
PW4180	Tobacco	10	5	85	11	0.70	0.51	0.45	0.32

### Solar Heat Control Properties of Phifer SheerWeave Style PW4400 With DOW ECOLIBRIUM™ Fabrics Installed Internally, Zero-Degree Profile Angle

Style No.	Color	*Solar Optical Properties				Shading Coefficient w/ Single Insulating			
		TS	RS	AS	TV	1/4CL	1/4HA	1CL	1HA
PW4410	Snowy White (Chalk)	12	70	18	7	0.30	0.30	0.16	0.15
PW4420	Bone (Pebblestone)	9	51	40	6	0.42	0.36	0.38	0.28
PW4425	Greystone	6	39	55	5	0.48	0.40	0.44	0.32
PW4440	Soft Grey (Pewter)	3	26	71	2	0.56	0.44	0.34	0.25
PW4445	Granite	6	48	46	5	0.43	0.37	0.25	0.20
PW4455	Ash	3	10	87	4	0.66	0.49	0.60	0.41
PW4460	Linen (Alabaster)	10	62	28	6	0.35	0.32	0.19	0.17
PW4470	Ebony	3	3	94	3	0.70	0.51	0.63	0.43
PW4480	Tobacco	3	5	92	3	0.69	0.50	0.62	0.42

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© MICROBAN is a registered trademark of Microban Products Company. © PHIFER INCORPORATED V13B 3027401



REQUEST FOR INFORMATION

TO: ED LUPINEK, STUDIO JAED

PRE-BID RFI#: 6

FROM: VINNIE COLONNA, EDiS COMPANY

DATE: 3 MAR 17

PROJECT: HIGHLANDS ELEMENTARY SCHOOL – BID PACK 'B'

DWG. # / DETAIL: \_\_\_\_\_ SPEC. SECTIONS: \_\_\_\_\_ PAGE: \_\_\_\_\_

**REQUEST:**

- 1. Hardware Set #5 has three doors assigned to it on the door schedule, D07, D08 and D09. In the Hardware Set itself, doors D07 and D08 only are shown. Door D09 needs to be added to Set #5.**

**Please advise**

Submitted By: Tim Greenwood / Berks Products, Inc.

Date: 3 Mar 17

---

**RESPONSE:** 1. SEE UPDATED HARDWARE SET IN ADDENDUM #1.

Response By: Gabe Cheung, AIA, NCARB, LEED AP

Date: 3/8/17

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REQUEST FOR INFORMATION

TO: ED LUPINEK, STUDIO JAED

PRE-BID RFI#: 7

FROM: VINNIE COLONNA, EDiS COMPANY

DATE: 7 MAR 17

PROJECT: HIGHLANDS ELEMENTARY SCHOOL – BID PACK 'B'

DWG. # / DETAIL: \_\_\_\_\_ SPEC. SECTIONS: \_\_\_\_\_ PAGE: \_\_\_\_\_

**REQUEST:**

**Please clarify the following regarding the exterior rails:**

- 1) Specification 055213 is for Anodized Aluminum Rails ONLY. However, per 10-14/A6.3 the exterior rails are galvanized and painted.
- 2) If the exterior rails are to be galvanized and painted. Which contract will be responsible for the painting?

Submitted By: Joseph Nicotra / Summit Steel, Inc. Date: 7 Mar 17

---

**RESPONSE:** 1. EXTERIOR HANDRAILS TO BE GALVANIZED STEEL, PRIMED, AND PAINTED TO MATCH EXISTING STAIR RAILING. SEE ADDENDUM #1.

2. Contract B-05 Carpentry & General Work is responsible for the painting.

Response By: Gabe Cheung, AIA, NCARB, LEED AP  
Vinnie Colonna / EDiS

Date: 3/6/17  
3/9/17

---



REQUEST FOR INFORMATION

TO: ED LUPINEK, STUDIO JAED

PRE-BID RFI#: 8

FROM: VINNIE COLONNA, EDiS COMPANY

DATE: 8 MAR 17

PROJECT: HIGHLANDS ELEMENTARY SCHOOL – BID PACK ‘B’

DWG. # / DETAIL: \_\_\_\_\_ SPEC. SECTIONS: \_\_\_\_\_ PAGE: \_\_\_\_\_

**REQUEST:**

**Comparing the Sheet Index on G1.0 to the drawings, we found:**

1. **A3.3A, M8.3 to M8.8, E9.1, E9.4, E9.6, E9.7 FP11.01, and FP 11.1 has a ‘G’ in the discipline box rather than the correct letter.**
2. **There is a drawing E9.8 that isn’t listed in the Sheet Index.**
3. **Drawing P10.0 is incorrectly listed in the Sheet Index as P10.1.**

Submitted By: Bill Michelinie / Brandywine Contractors, Inc. Date: 8 Mar 17

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**RESPONSE:** ALL COMMENTS CORRECTED IN ADDENDUM #1.

Response By: Gabe Cheung, AIA, NCARB, LEED AP Date: 3/6/17

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REQUEST FOR INFORMATION

TO: ED LUPINEK, STUDIO JAED

PRE-BID RFI#: 9

FROM: VINNIE COLONNA, EDiS COMPANY

DATE: 8 MAR 17

PROJECT: HIGHLANDS ELEMENTARY SCHOOL – BID PACK 'B'

DWG. # / DETAIL: \_\_\_\_\_ SPEC. SECTIONS: \_\_\_\_\_ PAGE: \_\_\_\_\_

**REQUEST:**

1. Are the windows operable or fixed storefront?

Submitted By: Jane Maganas/ Malvern Glass

Date: 8 Mar 17

---

**RESPONSE:** 1. ALL WINDOWS TO BE CASEMENT OPERABLE.

Response By: Gabe Cheung, AIA, NCARB, LEED AP

Date: 3/6/17

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REQUEST FOR INFORMATION

TO: ED LUPINEK, STUDIO JAED

PRE-BID RFI#: 10

FROM: VINNIE COLONNA, EDiS COMPANY

DATE: 9 MARCH 2017

PROJECT: HIGHLANDS ELEMENTARY SCHOOL – BID PACK ‘B’

DWG. # / DETAIL: \_\_\_\_\_ SPEC. SECTIONS: \_\_\_\_\_ PAGE: \_\_\_\_\_

**REQUEST:**

Clarification of planter, and RWC piping details from Addendum #1.

1. Dwg A 6.3, detail 8 indicates the yard drains will be tying to weep holes. Is the tie-in only the drainage fill indicated, or will there be an actual piped connection?

2. Dwg A 6.3, detail 20 indicates the drain pipes from the planters will connect to a single pipe that will carry through the existing brick wall at the sidewalk. Do we need to create a new penetration through that brick wall or can we tie-in to the existing weep hole?

3. Dwg P 10.1, detail 3 shows a new UG RWC pipe going through/under the loading dock wall and tying into the existing 6" RWC UG Main located under the loading dock. Is it possible to use the existing UG RWC pipe that is already going to the main so we don't have to dig up the loading dock and retaining wall?

Please advise

Submitted By: PJ Anderson/EDiS

Date: 9 March 17

**RESPONSE:** 1. WE WILL GO WITH A FRENCH DRAIN THAT WILL TIE INTO THE NEW UNDERGROUND STORM WATER SYSTEM.  
2. IF THERE IS ENOUGH FALL TO CONNECT TO EXISTING WEEPHOLE THEN OKAY, OTHERWISE NEW PENETRATION WILL NEED TO OCCUR.  
3. THE EXISTING UG RWC PIPE NEEDS TO BE FIELD VERIFIED. IF IT IS LOCATED WHERE IT CAN BE TIED IN BEFORE THE RETAINING WALL, THEN IT IS OKAY.

Response By: Gabe Cheung, AIA, NCARB, LEED AP

Date: 3/6/17



REQUEST FOR INFORMATION

TO: ED LUPINEK, STUDIO JAED

PRE-BID RFI#: 11

FROM: VINNIE COLONNA, EDiS COMPANY

DATE: 9 MARCH 2017

PROJECT: HIGHLANDS ELEMENTARY SCHOOL – BID PACK 'B'

DWG. # / DETAIL: \_\_\_\_\_ SPEC. SECTIONS: \_\_\_\_\_ PAGE: \_\_\_\_\_

**REQUEST:**

Clarification on Aluminum Windows.

1. Spec Section 08 51 13 Aluminum Windows, Paragraph 1.01, subparagraph 'B' says all windows shall be EFCO series. Are there any other acceptable manufacturers for these windows?

Please advise

Submitted By: PJ Anderson/EDIS

Date: 9 March 17

---

**RESPONSE:** 1. SUBSTITUTIONS ARE ALLOWED. SPECIFICATIONS SUGGEST EFCO SERIES AS A "BASIS OF DESIGN"

Response By: Gabe Cheung, AIA, NCARB, LEED AP Date: 3/8/17

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REQUEST FOR INFORMATION

TO: ED LUPINEK, STUDIO JAED

PRE-BID RFI#: 13

FROM: VINNIE COLONNA, EDiS COMPANY

DATE: 9 MARCH 2017

PROJECT: HIGHLANDS ELEMENTARY SCHOOL – BID PACK 'B'

DWG. # / DETAIL: \_\_\_\_\_ SPEC. SECTIONS: \_\_\_\_\_ PAGE: \_\_\_\_\_

**REQUEST:**

**Sitework:**

1. Is there a drawing depicting the location of the construction entrance or sediment and erosion control requirements?
2. Where is the material to be reused to be stored?
3. How long will the temporary fence need to be left in place?
4. Is all access to the site through the wall opening for all trades?
5. Will the ramp construction have to wait until all other construction is complete?
6. Is the plumber or the site contractor responsible for the yard drains?

**Concrete:**

1. On the exterior wall adjacent to the ramp to the entrance, is there a detail on the waterproofing/drainage board limit of height?
2. Under Item 26, how are the tests to be conducted? Area's will be too small and obstructed to test for FFL.
3. Is perimeter fall protection required for work behind the retaining wall?
4. Please clarify that the railing by others for the ramp and stairs, will be core drilled into the new work and sleeves will not be set?

Submitted By: Matt Tarr / Guardian Environmental Services Company, Inc Date: 9 March 17

---

**RESPONSE:**

**Sitework:**

1. No
2. Stockpiling shall be offsite as laydown area is limited.
3. The temporary fence will be left in place for the duration of the project.
4. The provided 8'-0" opening is a means of access. Contractor shall visit the site of the proposed work, fully acquaint and familiarize themselves with the



conditions as they exist. Contractors are responsible for their own means & methods to load and remove equipment and material from the site.

5. ADA Ramp will be constructed after the building shell is completed.
6. Yard drains will be removed as part of Addendum No. 1.

**Concrete:**

1. On the exterior wall adjacent to the ramp, delete waterproof/drainage board note from 9/A6.3 and 13/A6.3. We will not be using any there.
2. Testing is the responsibility of this contractor. Contractor is responsible to ensure all concrete slabs are within the tolerance required by the contract documents.
3. Safety is the responsibility of each individual Contractor. The project will be governed under the guidelines of OSHA.
4. Exterior railing for the ramp and stair will be core drilled into the new work. Interior railing for the ramp and stairs to be embedded.

Response By: Vinnie Colonna / EDiS      Date: 10 Mar 17  
Gabe Cheung / Studio JAED      Date: 10 Mar 17

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Contract No. B-01 Sitework

BID FORM

For Bids Due: \_\_\_\_\_

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

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

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

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

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

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

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

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

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

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

ALTERNATES

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

**Alternate No. 1: New Toilet Room 007B**

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:

	BULK		TRENCH	
	<u>Add</u>	<u>Deduct</u>	<u>Add</u>	<u>Deduct</u>
1. Price per cubic yard for excavation and disposal of unsatisfactory material and furnishing select fill to include placing, compacting and finishing.	_____	_____	_____	_____
2. Price per cubic yard for rock excavation as specified in excavation section.	_____	_____	_____	_____
3. Price per cubic yard for earth excavation as specified in excavation section.	_____	_____	_____	_____
4. Price per cubic yard for earth excavation by hand.	_____	_____	_____	_____
5. Price per cubic yard for earth fill Required to replace rock excavation.	_____	_____	_____	_____

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

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

This bid shall remain valid and cannot be withdrawn for ninety (90) days 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
- Delaware Business License
- 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>Subcontractors tax payer ID # or Delaware Business license #</u>
1. Sitework	_____	_____	_____

---

NON-COLLUSION STATEMENT

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

All the terms and conditions of *Contract No.: **B-01 Sitework*** has 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. **B-01 Sitework** 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

---

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)

---

**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 No. B-02 Concrete

BID FORM

For Bids Due: \_\_\_\_\_

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

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

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

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

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

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

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

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

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

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

ALTERNATES

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

**Alternate No. 1: New Toilet Room 007B**

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:

	BULK		TRENCH	
	<u>Add</u>	<u>Deduct</u>	<u>Add</u>	<u>Deduct</u>
1. Price per cubic yard for excavation and disposal of unsatisfactory material and furnishing select fill to include placing, compacting and finishing.	_____	_____	_____	_____
2. Price per cubic yard for earth excavation as specified in excavation section.	_____	_____	_____	_____
3. Price per cubic yard for earth excavation by hand.	_____	_____	_____	_____
4. Price per cubic yard for earth fill Required to replace rock excavation.	_____	_____	_____	_____
5. Additional mass concrete in footings	_____	_____	_____	_____
6. Price per cubic yard for concrete in Foundation walls (including forms and reinforcement).	_____	_____	_____	_____
7. Price per cubic yard for reinforced concrete on grade.	_____	_____	_____	_____
8. Price per cubic yard for reinforced concrete (including forms) for structural slab above grade	_____	_____	_____	_____
9. Price per square foot to remove & replace 4" concrete sidewalk and stone base	_____	_____	_____	_____

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

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

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This bid shall remain valid and cannot be withdrawn for ninety (90) days 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
  - Delaware Business License
  - 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>Subcontractors tax payer ID # or Delaware Business license #</u>
1. Concrete	_____	_____	_____
2. Reinforcing Steel	_____	_____	_____

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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 *Contract No.: **B-02 Concrete*** 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. **B-02 Concrete** 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

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

Witness \_\_\_\_\_

\_\_\_\_\_  
Title

---

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)

---

**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 No. B-03 Masonry

BID FORM

For Bids Due: \_\_\_\_\_

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

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

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

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

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

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

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

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

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

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

ALTERNATES

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

**Alternate No. 1: New Toilet Room 007B**

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

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UNIT PRICES

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

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

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

This bid shall remain valid and cannot be withdrawn for ninety (90) days 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
- Delaware Business License
- 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>Subcontractors tax payer ID # or Delaware Business license #</u>
1. Masonry	_____	_____	_____

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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 *Contract No.: **B-03 Masonry*** 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. **B-03 Masonry** 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

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

Witness \_\_\_\_\_

\_\_\_\_\_  
Title

---

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)

---

**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 No. B-04 Structural Steel & Miscellaneous Metals

BID FORM

For Bids Due: \_\_\_\_\_

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

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

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

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

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

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

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

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

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

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

ALTERNATES

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

**Alternate No. 1: New Toilet Room 007B**

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

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UNIT PRICES

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

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

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

This bid shall remain valid and cannot be withdrawn for ninety (90) days 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
- Delaware Business License
- 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><b>Subcontractors tax payer ID # or Delaware Business license #</b></u>
1. Structural Steel	_____	_____	_____

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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 *Contract No.: B-04 Structural Steel & Miscellaneous Metals* 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. ***B-04 Structural Steel & Miscellaneous Metals*** 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

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

Witness \_\_\_\_\_

\_\_\_\_\_  
Title

---

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)

---

**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 No. B-05 Carpentry & General Work

BID FORM

For Bids Due: \_\_\_\_\_

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

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

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

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

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

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

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

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

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

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

ALTERNATES

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

**Alternate No. 1: New Toilet Room 007B**

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

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UNIT PRICES

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

	<u>Add</u>	<u>Deduct</u>
1. Price per square foot for VCT flooring.	_____	_____
2. Price per square foot for replacing existing acoustical ceiling grid and tiles.	_____	_____
3. Price per square foot to paint existing walls, frames and doors.	_____	_____

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

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

This bid shall remain valid and cannot be withdrawn for ninety (90) days 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
- Delaware Business License
- Affidavit of Employee Drug Testing Program
- (Others as Required by Project Manuals)

---

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>Subcontractors tax payer ID # or Delaware Business license #</u>
1. Carpentry	_____	_____	_____
2. Metal Studs & Drywall	_____	_____	_____
3. Doors & Hardware (Supply)	_____	_____	_____
4. Acoustical Ceilings	_____	_____	_____
5. Paint	_____	_____	_____
6. Flooring	_____	_____	_____

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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 *Contract No.: **B-05 Carpentry & General Work*** 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. ***B-05 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

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

Witness \_\_\_\_\_

\_\_\_\_\_  
Title

---

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)

---

**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 No. B-06 Roofing

BID FORM

For Bids Due: \_\_\_\_\_

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

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

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

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

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

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

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

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

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

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

ALTERNATES

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

**Alternate No. 1: New Toilet Room 007B**

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

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UNIT PRICES

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

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

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

This bid shall remain valid and cannot be withdrawn for ninety (90) days 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
- Delaware Business License
- 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>Subcontractors tax payer ID # or Delaware Business license #</u>
1. Roofing	_____	_____	_____

---

NON-COLLUSION STATEMENT

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

All the terms and conditions of *Contract No.: **B-06 Roofing*** 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. **B-06 Roofing** 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

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

Witness \_\_\_\_\_

\_\_\_\_\_  
Title

---

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)

---

**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 No. B-07 Aluminum Windows and Glazing

BID FORM

For Bids Due: \_\_\_\_\_

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

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

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

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

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

(Other License Nos.): \_\_\_\_\_  
**(A copy of Bidder's Delaware Business License must be attached to this form.)**

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

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

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

ALTERNATES

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

~~Alternate No. 1: New Toilet Room 007B~~

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: N/A

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

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

This bid shall remain valid and cannot be withdrawn for ninety (90) days 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
- Delaware Business License
- 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>Subcontractors tax payer ID # or Delaware Business license #</u>
1. Aluminum Windows & Glazing	_____	_____	_____
2. Caulking	_____	_____	_____

---

NON-COLLUSION STATEMENT

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

All the terms and conditions of *Contract No.: B-07 Aluminum Windows and Glazing* 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. ***B-07 Aluminum Windows and Glazing*** 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

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

Witness \_\_\_\_\_

\_\_\_\_\_  
Title

---

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)

---

**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 No. B-08 Fire Protection

BID FORM

For Bids Due: \_\_\_\_\_

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

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

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

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

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

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

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

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

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

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

ALTERNATES

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

**Alternate No. 1: New Toilet Room 007B**

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: N/A

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

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

This bid shall remain valid and cannot be withdrawn for ninety (90) days 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
- Delaware Business License
- Affidavit of Employee Drug Testing Program
- (Others as Required by Project Manuals)

---

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>Subcontractors tax payer ID # or Delaware Business license #</u>
1. Fire Protection	_____	_____	_____

---

NON-COLLUSION STATEMENT

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

All the terms and conditions of *Contract No.: **B-08 Fire Protection*** 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. ***B-08 Fire Protection*** 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

---

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)

---

**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 No. B-09 Mechanical and Plumbing

BID FORM

For Bids Due: \_\_\_\_\_

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

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

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

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

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

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

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

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

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

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

ALTERNATES

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

**Alternate No. 1: New Toilet Room 007B**

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: N/A

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

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

This bid shall remain valid and cannot be withdrawn for ninety (90) days 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
- Delaware Business License
- Affidavit of Employee Drug Testing Program
- (Others as Required by Project Manuals)

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</u>			
<u>Category</u>	<u>Subcontractor</u>	<u>Address (City &amp; State)</u>	<u>Subcontractors tax payer ID # or Delaware Business license #</u>
1. Mechanical	_____	_____	_____
2. Plumbing	_____	_____	_____
3. Sheet Metal	_____	_____	_____
4. Direct-Digital Control System (Supply)	_____	_____	_____
5. Direct-Digital Control System (Install)	_____	_____	_____
6. Testing, Adjusting and Balancing	_____	_____	_____

---

NON-COLLUSION STATEMENT

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

All the terms and conditions of *Contract No.: **B-09 Mechanical and Plumbing*** 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. ***B-09 Mechanical and 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

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

Witness \_\_\_\_\_

\_\_\_\_\_  
Title

---

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)

---

**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 No. B-10 Electrical and Fire Alarm

BID FORM

For Bids Due: \_\_\_\_\_

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

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

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

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

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

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

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

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

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

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

ALTERNATES

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

**Alternate No. 1: New Toilet Room 007B**

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: N/A

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

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

This bid shall remain valid and cannot be withdrawn for ninety (90) days 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
- Delaware Business License
- Affidavit of Employee Drug Testing Program  
(Others as Required by Project Manuals)

---

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>Subcontractors tax payer ID # or Delaware Business license #</u>
1. Electrical	_____	_____	_____
2. Fire Alarm	_____	_____	_____

---

NON-COLLUSION STATEMENT

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

All the terms and conditions of *Contract No.: B-10 Electrical and Fire Alarm* 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. ***B-10 Electrical and Fire Alarm*** 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

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

Witness \_\_\_\_\_

\_\_\_\_\_  
Title

---

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)

---

**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

---

SECTION 012300 - ALTERNATES

1. GENERAL PROVISIONS

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

2. BASE BID

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

3. ALTERNATES

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

**Alternate No. 1: New Toilet Room 007B**

- a. Base Bid: No work is required
- b. Alternate: Includes, but is not limited to, separating existing storage room 003A to create new Toilet Room 007B.
  - a. **B-03 Masonry**
    - i. **Provide saw cutting, selective demo, disposal, temporary shoring and any relative masonry work at any new or reconfigured masonry openings per key notes D-20 and C-43 on drawings A2.1 & A3.1. Provide new steel lintels at Door 007B and 003A.**
  - b. **B-05 Carpentry & General Works**
    - i. Contractor is responsible for notes D-04, ~~D-20~~, D-21 & D-22 on dwg A 2.1, notes C-39, C-40 (floor finishes only, plumbing contractor will demo the concrete floor and provide new concrete floor infill), C-42 & ~~C-43~~ on dwg A 3.1, provide toilet accessories and finishes per dwg

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A7.1 and any scope similar to the new construction in the base bid.

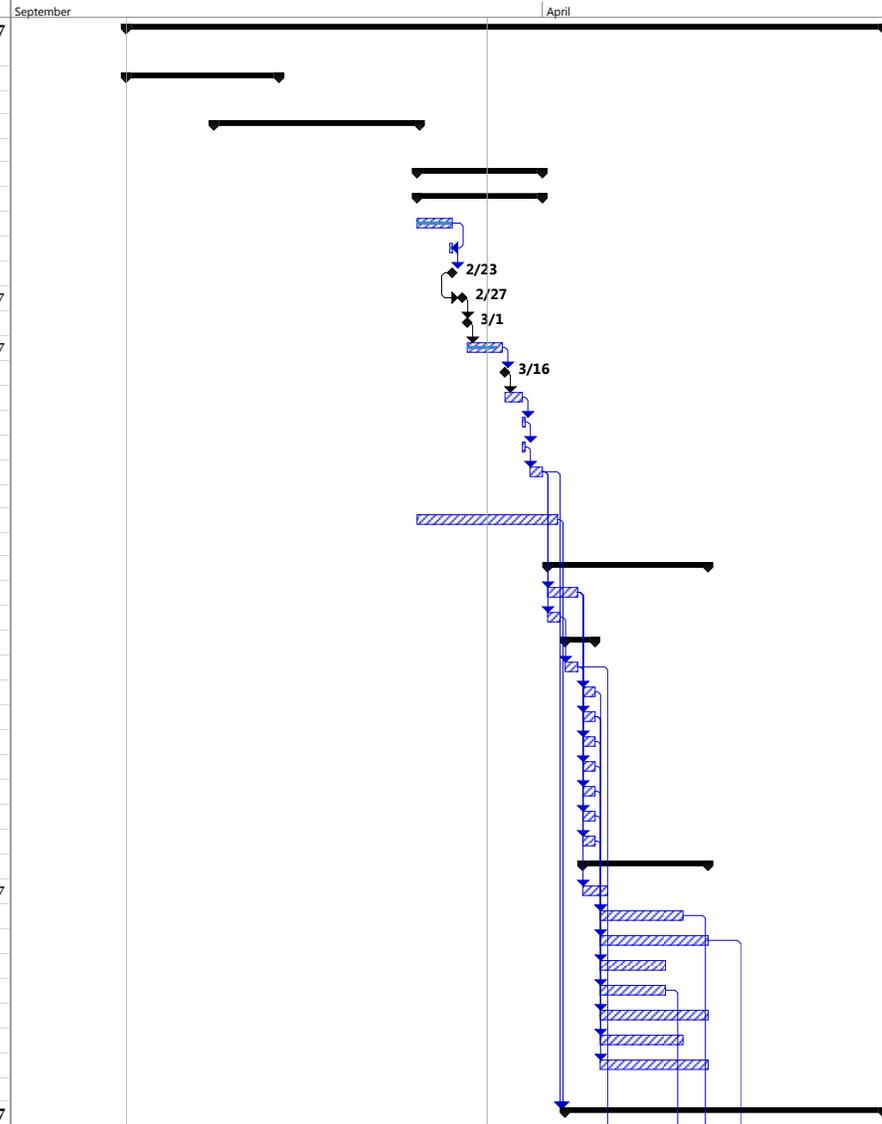
- c. **B-06 Roofing**
  - i. Cut, flash & patch the existing roof to facilitate the installation of the new exhaust fan.
- d. **B-08 Fire Protection**
  - i. Contractor is responsible for any additional sprinkler coverage needed as shown on dwn G 11.1.
- e. **B-09 Mechanical & Plumbing**
  - i. Contractor is responsible for exhaust fan and associated installation scope. Contractor conducts all plumbing work for Alternate 1 as shown on dwg P10.1. This includes Note D-19 on dwg A 2.1, and backfilling and concrete replacement as needed.
- f. **B-10 Electrical**
  - i. Contractor is responsible for lighting demo and any electrical work required to complete lighting and fan installation as pre dwgs E 9.1 & E 9.2.

END OF SECTION



Highlands Elementary School  
 Bid Pack B  
 Master Schedule  
 Addendum No. 1

ID	Task Name	Duration	Start	Finish
1	<b>Highlands Elementary School - Main Office Addition &amp; Office Renovation</b>	<b>214 days</b>	<b>Mon 10/17/16</b>	<b>Mon 8/14/17</b>
2	Design Development Phase	45 days	Mon 10/17/16	Fri 12/16/16
6				
7	Construction Document Phase	60 days	Mon 11/21/16	Fri 2/10/17
13				
14	<b>Bidding &amp; Award Activities</b>	<b>36 days</b>	<b>Fri 2/10/17</b>	<b>Fri 3/31/17</b>
15	Bid Pack B	36 days	Fri 2/10/17	Fri 3/31/17
16	GSS Submission & Review	10 days	Fri 2/10/17	Thu 2/23/17
17	GSS Posting to My Marketplace.com	1 day	Thu 2/23/17	Thu 2/23/17
18	1st Bid Advertisement	0 days	Thu 2/23/17	Thu 2/23/17
19	2nd Bid Advertisement	0 days	Mon 2/27/17	Mon 2/27/17
20	Pre-Bid Meeting - Bid Pack B	0 days	Wed 3/1/17	Wed 3/1/17
21	Bidding Period	10 days	Thu 3/2/17	Wed 3/15/17
22	Bid Due Date - Bid Pack B	1 day	Thu 3/16/17	Thu 3/16/17
23	Bid Review Period	5 days	Fri 3/17/17	Thu 3/23/17
24	Recommendation to Board	1 day	Fri 3/24/17	Fri 3/24/17
25	Board Approval	1 day	Fri 3/24/17	Fri 3/24/17
26	Contractors Receive Letters of Intent	5 days	Mon 3/27/17	Fri 3/31/17
27				
28	City of Wilmington - Building Permit Review	8 wks	Fri 2/10/17	Thu 4/6/17
29				
30	<b>Critical Procurement Activities</b>	<b>45 days</b>	<b>Mon 4/3/17</b>	<b>Mon 6/5/17</b>
31	Contractor Submittals	10 days	Mon 4/3/17	Fri 4/14/17
32	Foundation Rebar Shop Drawings	5 days	Mon 4/3/17	Fri 4/7/17
33	Review /Approve Submittals	10 days	Mon 4/10/17	Fri 4/21/17
36	Foundation Rebar Shop Drawings	5 days	Mon 4/10/17	Fri 4/14/17
34	Windows	5 days	Mon 4/17/17	Fri 4/21/17
35	Doors, Frames, & Hardware	5 days	Mon 4/17/17	Fri 4/21/17
37	Steel	5 days	Mon 4/17/17	Fri 4/21/17
38	Anchor Bolts	5 days	Mon 4/17/17	Fri 4/21/17
39	Pre-Cast Concrete Panels & Brick	5 days	Mon 4/17/17	Fri 4/21/17
40	Roofing	5 days	Mon 4/17/17	Fri 4/21/17
41	Mechanical Equipment	5 days	Mon 4/17/17	Fri 4/21/17
42	Order/Deliver Materials	35 days	Mon 4/17/17	Mon 6/5/17
44	Foundation Rebar	8 days	Mon 4/17/17	Wed 4/26/17
43	Steel	25 days	Mon 4/24/17	Fri 5/26/17
45	Windows	30 days	Mon 4/24/17	Mon 6/5/17
46	Exterior Doors, Frames, & Hardware	20 days	Mon 4/24/17	Fri 5/19/17
47	Interior Doors, Frames, & Hardware	20 days	Mon 4/24/17	Fri 5/19/17
48	Pre-Cast Concrete Panels & Brick	30 days	Mon 4/24/17	Mon 6/5/17
49	Roofing	25 days	Mon 4/24/17	Fri 5/26/17
50	Mechanical Equipment	30 days	Mon 4/24/17	Mon 6/5/17
51				
52	<b>Construction Activities</b>	<b>89 days</b>	<b>Mon 4/10/17</b>	<b>Mon 8/14/17</b>

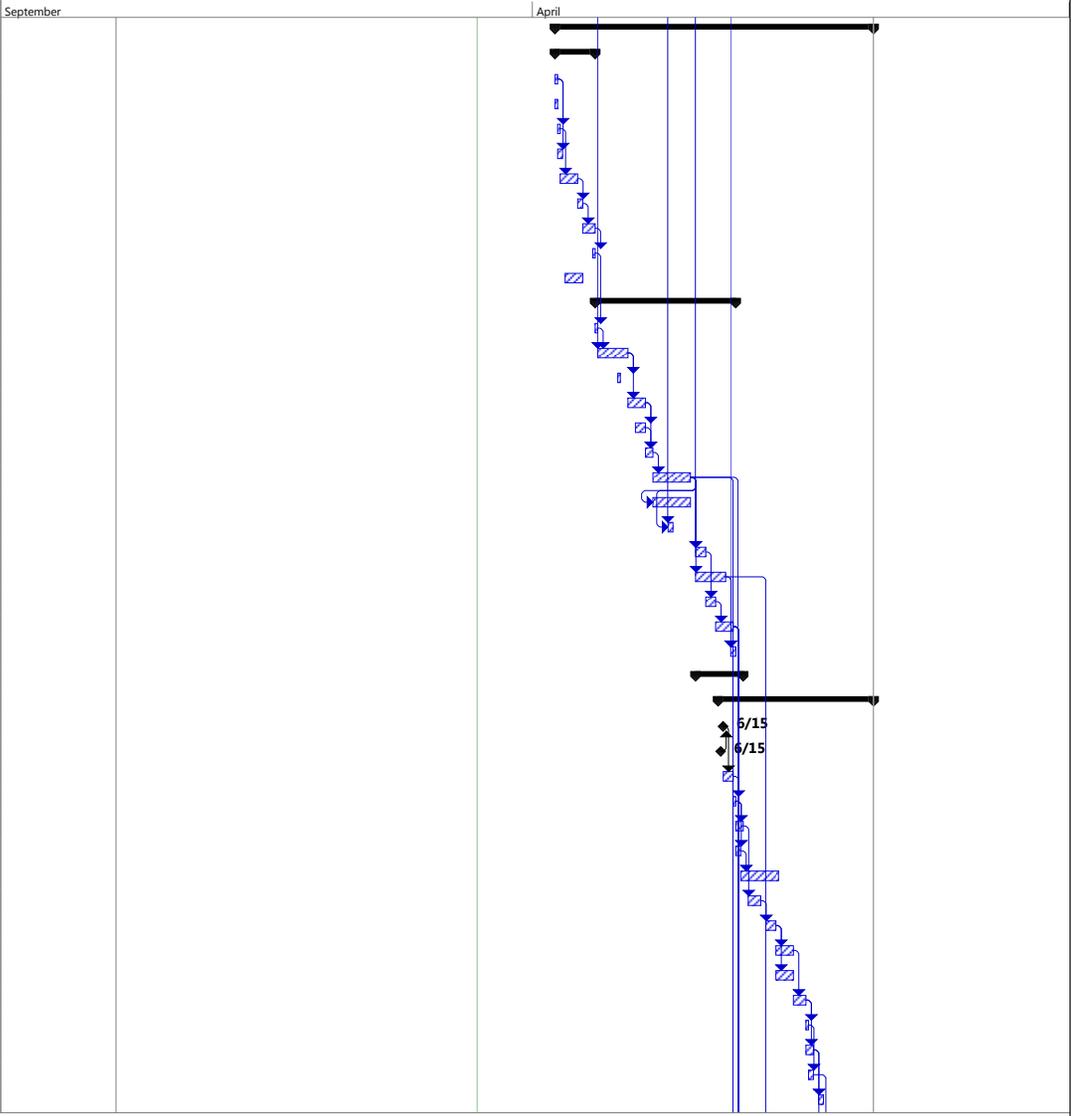


Project: Highlands BPB Master Date: 09 MAR 17	Task	Project Summary	Manual Task	Start-only	Deadline	Progress
	Split	Inactive Task	Duration-only	Finish-only	Progress	External Tasks
	Milestone	Inactive Milestone	Manual Summary Rollup	External Tasks	Manual Progress	External Milestone
	Summary	Inactive Summary	Manual Summary	External Milestone	External Milestone	External Milestone



Highlands Elementary School  
 Bid Pack B  
 Master Schedule  
 Addendum No. 1

ID	Task Name	Duration	Start	Finish
53	<b>New Addition</b>	<b>89 days</b>	<b>Mon 4/10/17</b>	<b>Mon 8/14/17</b>
55	<b>Sitework</b>	<b>12 days</b>	<b>Mon 4/10/17</b>	<b>Tue 4/25/17</b>
56	Install Chain Link Fencing	1 day	Mon 4/10/17	Mon 4/10/17
59	Safe Off / Demo / Relocate Exterior Electric	1 day	Mon 4/10/17	Mon 4/10/17
57	Tree Removal	1 day	Tue 4/11/17	Tue 4/11/17
58	Demo Masonry Wall for Construction Entrance	2 days	Tue 4/11/17	Wed 4/12/17
60	Site Demo	5 days	Wed 4/12/17	Tue 4/18/17
61	Demo/Cut /Cap Underground Rain Water Conductors	2 days	Wed 4/19/17	Thu 4/20/17
62	Building Pad	3 days	Fri 4/21/17	Tue 4/25/17
63	Proof Roll Pad	1 day	Tue 4/25/17	Tue 4/25/17
54	<b>Install New Door D003C</b>	<b>5 days</b>	<b>Fri 4/14/17</b>	<b>Thu 4/20/17</b>
64	<b>Building Foundation &amp; Envelope</b>	<b>39 days</b>	<b>Wed 4/26/17</b>	<b>Tue 6/20/17</b>
65	Building Layout	1 day	Wed 4/26/17	Wed 4/26/17
66	Building Foundations & Piers	8 days	Thu 4/27/17	Mon 5/8/17
67	Set Anchor Bolts	1 day	Fri 5/5/17	Fri 5/5/17
68	Masonry Foundation Walls	5 days	Tue 5/9/17	Mon 5/15/17
69	Underslab Utilities	2 days	Fri 5/12/17	Mon 5/15/17
70	Place Stone and Pour Slab on Grade	3 days	Tue 5/16/17	Thu 5/18/17
71	CMU Walls	10 days	Fri 5/19/17	Fri 6/2/17
73	Rough Electric in CMU Walls	10 days	Fri 5/19/17	Fri 6/2/17
72	Set Door Frames	2 days	Thu 5/25/17	Fri 5/26/17
74	Set Steel & Bar Joists	4 days	Mon 6/5/17	Thu 6/8/17
77	Brick Veneer / Cast Stone	10 days	Mon 6/5/17	Fri 6/16/17
75	Install Roof Deck	2 days	Fri 6/9/17	Mon 6/12/17
76	Roofing	5 days	Tue 6/13/17	Mon 6/19/17
78	Windows	2 days	Mon 6/19/17	Tue 6/20/17
79	<b>Concrete Planter Boxes</b>	<b>15 days</b>	<b>Mon 6/5/17</b>	<b>Fri 6/23/17</b>
124	<b>Existing Main Office Mechanical Upgrade</b>	<b>43 days</b>	<b>Wed 6/14/17</b>	<b>Mon 8/14/17</b>
126	<b>RCCSD Staff Move Furniture</b>	<b>2 days</b>	<b>Wed 6/14/17</b>	<b>Thu 6/15/17</b>
125	Teachers Last Day	0 days	Thu 6/15/17	Thu 6/15/17
127	Install Floor Protection	2 days	Fri 6/16/17	Mon 6/19/17
128	Tie-Up Light Fixtures	1 day	Tue 6/20/17	Tue 6/20/17
129	Remove & Store Ceiling Grid & Tile	3 days	Wed 6/21/17	Fri 6/23/17
130	Safe Off / Demo Electric	2 days	Wed 6/21/17	Thu 6/22/17
135	Electrical & Fire Alarm Rough - In	10 days	Fri 6/23/17	Fri 7/7/17
131	Mechanical Demo	5 days	Mon 6/26/17	Fri 6/30/17
132	Set Mechanical Equipment	3 days	Mon 7/3/17	Thu 7/6/17
133	Mechanical Rough - In	5 days	Fri 7/7/17	Thu 7/13/17
134	BAS Control Rough - In	5 days	Fri 7/7/17	Thu 7/13/17
136	Insulate Duct Work & Piping	3 days	Fri 7/14/17	Tue 7/18/17
137	Power to Mechanical Equipment	1 day	Wed 7/19/17	Wed 7/19/17
138	Re-Install ACT Grid	3 days	Wed 7/19/17	Fri 7/21/17
139	Equipment Startup	2 days	Thu 7/20/17	Fri 7/21/17
140	Install Lights	2 days	Mon 7/24/17	Tue 7/25/17



Project: Highlands BPB Master  
 Date: 09 MAR 17

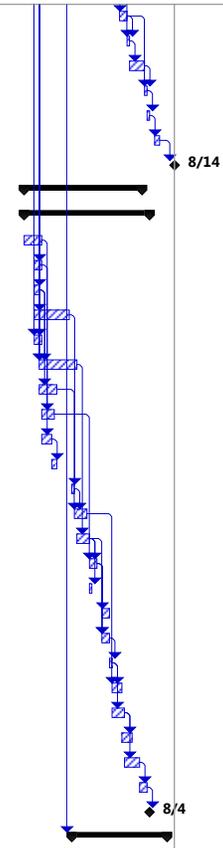
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Highlands Elementary School  
 Bid Pack B  
 Master Schedule  
 Addendum No. 1

ID	Task Name	Duration	Start	Finish
141	Install GRD's	3 days	Mon 7/24/17	Wed 7/26/17
142	Above Ceiling Inspection	1 day	Thu 7/27/17	Thu 7/27/17
143	Re-Install Ceiling Tiles	4 days	Fri 7/28/17	Wed 8/2/17
144	Testing, Adjusting & Balancing	1 day	Thu 8/3/17	Thu 8/3/17
145	Remove Floor Protection	1 day	Fri 8/4/17	Fri 8/4/17
146	Final Electric/FM/City Inspection	2 days	Mon 8/7/17	Tue 8/8/17
147	RCCSD Move - In	4 days	Wed 8/9/17	Mon 8/14/17
81	<b>Building Entrance</b>	<b>32 days</b>	<b>Fri 6/16/17</b>	<b>Tue 8/1/17</b>
94	<b>Building Interior</b>	<b>35 days</b>	<b>Fri 6/16/17</b>	<b>Fri 8/4/17</b>
95	Selective Demolition	5 days	Fri 6/16/17	Thu 6/22/17
96	Metal Stud Framing & GWB	3 days	Tue 6/20/17	Thu 6/22/17
97	Set Mechanical Equipment	2 days	Tue 6/20/17	Wed 6/21/17
100	Electrical / Fire Alarm Rough - In	10 days	Tue 6/20/17	Mon 7/3/17
101	Sprinkler Rough - In	3 days	Tue 6/20/17	Thu 6/22/17
98	Mechanical & Plumbing Rough - In	10 days	Thu 6/22/17	Thu 7/6/17
99	BAS Control Rough - In	5 days	Thu 6/22/17	Wed 6/28/17
105	Prime / Paint 1st Coat	3 days	Fri 6/23/17	Tue 6/27/17
110	Set Interior Frames	2 days	Fri 6/23/17	Mon 6/26/17
113	Install Doors & Hardware	2 days	Tue 6/27/17	Wed 6/28/17
103	Power to Mechanical Equipment	1 day	Wed 7/5/17	Wed 7/5/17
104	Start Up Mechanical Equipment	3 days	Thu 7/6/17	Mon 7/10/17
102	Insulation - Piping/Ductwork	3 days	Fri 7/7/17	Tue 7/11/17
106	Install Ceiling Grid	3 days	Wed 7/12/17	Fri 7/14/17
109	Above Ceiling Inspection	1 day	Wed 7/12/17	Wed 7/12/17
107	Lighting	3 days	Mon 7/17/17	Wed 7/19/17
108	GRD's	3 days	Mon 7/17/17	Wed 7/19/17
111	Install Ceiling Tile	1 day	Thu 7/20/17	Thu 7/20/17
112	Testing, Adjusting & Balancing	2 days	Fri 7/21/17	Mon 7/24/17
114	Paint - Final Coat	3 days	Fri 7/21/17	Tue 7/25/17
115	Casework	4 days	Tue 7/25/17	Fri 7/28/17
116	Flooring/Cove Base	4 days	Wed 7/26/17	Mon 7/31/17
117	Final Inspections	3 days	Tue 8/1/17	Thu 8/3/17
118	RCCSD Move - In	1 day	Fri 8/4/17	Fri 8/4/17
119	<b>ADA Ramp</b>	<b>28 days</b>	<b>Wed 7/5/17</b>	<b>Fri 8/11/17</b>

September | April



Project: Highlands BPB Master  
 Date: 09 MAR 17

Task	Project Summary	Manual Task	Start-only	Deadline	Progress
Split	Inactive Task	Duration-only	Finish-only	Manual Progress	External Tasks
Milestone	Inactive Milestone	Manual Summary Rollup	External Milestone		
Summary	Inactive Summary	Manual Summary			

**SECTION 05 52 13**  
**PIPE AND TUBE RAILINGS**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Interior and exterior wall mounted handrails.
- B. Interior and exterior free-standing railings at steps and ramps.

**1.02 RELATED REQUIREMENTS**

- A. Section 03 30 00 - Cast-in-Place Concrete: Placement of anchors in concrete.
- B. Section 04 20 00 - Unit Masonry: Placement of anchors in masonry.

**1.03 REFERENCE STANDARDS**

- A. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum; American Architectural Manufacturers Association.
- B. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design.
- C. ASTM A500/A500M - Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes.
- D. ASTM B241/B241M - Standard Specification for Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube.
- E. ASTM B429/B429M - Standard Specification for Aluminum-Alloy Extruded Structural Pipe and Tube.
- F. ASTM B483/B483M - Standard Specification for Aluminum and Aluminum-Alloy Drawn Tubes and Pipe for General Purpose Applications.
- G. ASTM E935 - Standard Test Methods for Performance of Permanent Metal Railing Systems and Rails for Buildings.
- H. ASTM E985 - Standard Specification for Permanent Metal Railing Systems and Rails for Buildings.

**1.04 SUBMITTALS**

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

**PART 2 PRODUCTS**

**2.01 MANUFACTURERS**

- A. Handrails and Railings:
  - 1. C. R. Laurence Co., Inc; : [www.crlaurence.com](http://www.crlaurence.com).
  - 2. KaneSterling: [www.sterlingdula.com](http://www.sterlingdula.com).
  - 3. The Wagner Companies: [www.wagnercompanies.com](http://www.wagnercompanies.com).
  - 4. Substitutions: See Section 01 60 00 - Product Requirements.

**2.02 RAILINGS - GENERAL REQUIREMENTS**

- A. Design, fabricate, and test railing assemblies in accordance with the most stringent requirements of ASTM E985 and applicable local code.
- B. Allow for expansion and contraction of members and building movement without damage to connections or members.
- C. Dimensions: See drawings for configurations and heights.
- D. Provide anchors and other components as required to attach to structure, made of same materials as railing components unless otherwise indicated; where exposed fasteners are unavoidable provide flush countersunk fasteners.

1. For anchorage to concrete, provide inserts to be cast into concrete, for grouting anchors.
2. For anchorage to masonry, provide brackets to be embedded in masonry, for bolting anchors.

### **2.03 ALUMINUM MATERIALS**

- A. Aluminum Pipe: Schedule 40; ASTM B429/B 429M, ASTM B241/B 241M, or ASTM B483/B 483M.
- B. Welding Fittings: No exposed fasteners; cast aluminum.
- C. Straight Splice Connectors: Concealed spigot; cast aluminum.
- D. Exposed Fasteners: Flush countersunk screws or bolts; consistent with design of railing.

### **2.04 STEEL RAILING SYSTEM**

- A. Steel Tube: ASTM A500/A500M, Grade B cold-formed structural tubing.
- B. Welding Fittings: Factory- or shop-welded from matching pipe or tube; seams continuously welded; joints and seams ground smooth.
- C. Exposed Fasteners: No exposed bolts or screws.
- D. Straight Splice Connectors: Steel concealed spigots.

### **2.05 FABRICATION**

- A. Accurately form components to suit specific project conditions and for proper connection to building structure.
- B. Fit and shop assemble components in largest practical sizes for delivery to site.
- C. Fabricate components with joints tightly fitted and secured. Provide spigots and sleeves to accommodate site assembly and installation.
- D. Welded Joints:
  1. Exterior Components: Continuously seal joined pieces by intermittent welds and plastic filler. Drill condensate drainage holes at bottom of members at locations that will not encourage water intrusion.
  2. Interior Components: Continuously seal joined pieces by intermittent welds and plastic filler.
  3. Grind exposed joints flush and smooth with adjacent finish surface. Make exposed joints butt tight, flush, and hairline. Ease exposed edges to small uniform radius.

### **2.06 ALUMINUM FINISHES**

- A. Class I Natural Anodized Finish: AAMA 611 AA-M12C22A41 Clear anodic coating not less than 0.7 mils thick.

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Verify that field conditions are acceptable and are ready to receive work.

### **3.02 PREPARATION**

- A. Apply one coat of bituminous paint to concealed aluminum surfaces that will be in contact with cementitious or dissimilar materials.

### **3.03 INSTALLATION**

- A. Install in accordance with manufacturer's instructions.
- B. Install components plumb and level, accurately fitted, free from distortion or defects, with tight joints.
- C. Anchor railings securely to structure.

- D. Conceal anchor bolts and screws whenever possible. Where not concealed, use flush countersunk fastenings.

**3.04 TOLERANCES**

- A. Maximum Variation From Plumb: 1/4 inch per floor level, non-cumulative.
- B. Maximum Offset From True Alignment: 1/4 inch.
- C. Maximum Out-of-Position: 1/4 inch.

**END OF SECTION**

**Hardware Schedule  
 HIGHLANDS ELEMENTARY SCHOOL**

Hardware Set #: 0001 - PRS DRS FRP DRS & HMF FR EXTERIOR  
 D01 D02

Opening to Have:

Qty	Description	Finish	Mfg
2	CONTINUOUS HINGE A500 x FULL HEIGHT	630	ABH
1	RIM CYLINDER (PRIMUS) 20-709	626	SCHLAGE
2	MORTISE CYLINDER (IC) 20-700 x XQ11-949	626	SCHLAGE
1	MORTISE CYLINDER (IC) 20-700	626	SCHLAGE
1	POWER TRANSFER PT1000	628	ABH
1	RIM EXIT DEVICE CD99EO	626	VON DUPRIN
1	RIM EXIT DEVICE SD-EL99NL-OP	626	VON DUPRIN
1	REMOVABLE MULLION KR4954 x (2) 154 x SIZE AS REQ	628	VON DUPRIN
1	MULLION WALL MOUNT KIT MT54	628	VON DUPRIN
1	VANDAL RESISTANT TRIM VR910-NL	630	VON DUPRIN
1	VANDAL RESISTANT TRIM VR910-DT	630	VON DUPRIN
1	POWER SUPPLY PS914	600	VON DUPRIN
1	DOOR CLOSER 4111 x SHCUSH x SRI	689	LCN
2	DOOR CONTACT MC-7 x SPDT x 1" DIA		SDC
1	TEAR DROP SEAL 797B x HEAD & JAMBS	BLK	REESE
2	TEAR DROP SEAL 797B x MULLION x FULL HEIGHT	BLK	REESE
1	RAIN DRIP R201A x FULL WIDTH + 4"	628	REESE
1	THRESHOLD S483APR x SRS x FHSL x FULL WIDTH	628	REESE
2	DOOR BOTTOM SWEEP (CONCEALED) BY ALUMINUM DOOR SUPPLER		
1	CARD READER BY SECURITY CONTRACTOR		

Hardware Set #: 0002 - SGL DRS WD & HMF  
 D03

Opening to Have:

Qty	Description	Finish	Mfg
3	HINGE BB0168 4.5 x 4.5 x NRP	652	BAHCO
2	PRIMUS CYLINDER 20-765 (ND-LINE)	626	SCHLAGE
1	CLASSROOM SECURITY LOCKSET ND75LD x SPA x 10-025	626	SCHLAGE
1	DOOR CLOSER 4111 x SHCUSH	689	LCN
1	KICK PLATE 10" x 2" LDW .050 x B4E x CTSK	630	TRIMCO
1	MOP PLATE 6" x 1" LDW .050 x B4E x CTSK	630	TRIMCO
3	SILENCERS 1229A	GRAY	TRIMCO

Hardware Set #: 0003 - SGL DRS WD & HMF  
 D04

Opening to Have:

Qty	Description	Finish	Mfg
3	HINGE BB0168 4.5 x 4.5	652	BAHCO
2	PRIMUS CYLINDER 20-765 (ND-LINE)	626	SCHLAGE
1	CLASSROOM SECURITY LOCKSET ND75LD x SPA x 10-025	626	SCHLAGE
1	DOOR CLOSER 4011 x REG-H	689	LCN
1	KICK PLATE 10" x 2" LDW .050 x B4E x CTSK	630	TRIMCO
1	MOP PLATE 6" x 1" LDW .050 x B4E x CTSK	630	TRIMCO
1	WALL STOP 1270WV	630	TRIMCO
3	SILENCERS 1229A	GRAY	TRIMCO

ISSUE NO. 2

Hardware Set #: 0004 - SGL DRS WD & HMF  
 D05 D06

Opening to Have:

Qty	Description	Finish	Mfg
3	HINGE BB0168 4.5 x 4.5	652	BAHCO
1	PRIMUS CYLINDER 20-765 (ND-LINE)	626	SCHLAGE
1	OFFICE LOCKSET ND50LD x SPA x 10-025	626	SCHLAGE
1	DOOR CLOSER 4011 x REG-H	689	LCN
1	KICK PLATE 10" x 2" LDW .050 x B4E x CTSK	630	TRIMCO
1	MOP PLATE 6" x 1" LDW .050 x B4E x CTSK	630	TRIMCO
1	WALL STOP 1270WV	630	TRIMCO
3	SILENCERS 1229A	GRAY	TRIMCO

Hardware Set #: 0005 - PRS DRS FRP DRS & EXISTING FR  
 D07 D08

Opening to Have:

Qty	Description	Finish	Mfg
2	CONTINUOUS HINGE A110HDC x SC x FULL HEIGHT	628	ABH
1	RIM CYLINDER (PRIMUS) 20-709	626	SCHLAGE
2	MORTISE CYLINDER (IC) 20-700 x XQ11-949	626	SCHLAGE
1	MORTISE CYLINDER (IC) 20-700	626	SCHLAGE
1	POWER TRANSFER PT1000	628	ABH
1	RIM EXIT DEVICE CD99EO	626	VON DUPRIN
1	RIM EXIT DEVICE SD-EL99NL-OP	626	VON DUPRIN
1	REMOVABLE MULLION KR4954 x (2) 154 x SIZE AS REQ	628	VON DUPRIN
1	MULLION WALL MOUNT KIT MT54	628	VON DUPRIN
1	VANDAL RESISTANT TRIM VR910-NL	630	VON DUPRIN
1	VANDAL RESISTANT TRIM VR910-DT	630	VON DUPRIN
1	POWER SUPPLY PS914	600	VON DUPRIN
1	DOOR CLOSER 4111 x SHCUSH x SRI	689	LCN
2	DOOR CONTACT MC-7 x SPDT x 1" DIA		SDC
1	CARD READER BY SECURITY CONTRACTOR		
1	REMOTE RELEASE BY SECURITY CONTRACTOR		

Hardware Set #: 0006 - PRS DRS WD & HMF  
 D09

Opening to Have:

Qty	Description	Finish	Mfg
6	HINGE BB0168 4.5 x 4.5 x NRP	652	BAHCO
1	RIM CYLINDER (PRIMUS) 20-709	626	SCHLAGE
2	MORTISE CYLINDER (IC) 20-700 x XQ11-949	626	SCHLAGE
1	MORTISE CYLINDER (IC) 20-700	626	SCHLAGE
1	POWER TRANSFER PT1000	628	ABH
1	RIM EXIT DEVICE CD99EO	626	VON DUPRIN
1	RIM EXIT DEVICE SD-EL99NL-OP	626	VON DUPRIN
1	REMOVABLE MULLION KR4954 x (2) 154 x SIZE AS REQ	628	VON DUPRIN
1	MULLION WALL MOUNT KIT MT54	628	VON DUPRIN
1	VANDAL RESISTANT TRIM VR910-NL	630	VON DUPRIN
1	VANDAL RESISTANT TRIM VR910-DT	630	VON DUPRIN
1	POWER SUPPLY PS914	600	VON DUPRIN
1	DOOR CLOSER 4111 x SHCUSH x SRI	689	LCN
2	KICK PLATE 10" x 1" LDW .050 x B4E x CTSK	630	TRIMCO
2	MOP PLATE 6" x 1" LDW .050 x B4E x CTSK	630	TRIMCO
2	DOOR CONTACT MC-7 x SPDT x 1" DIA		SDC
2	SILENCERS 1229A	GRAY	TRIMCO
1	CARD READER BY SECURITY CONTRACTOR		

ISSUE NO. 2

Hardware Set #: 0007 - SGL DRS FRP DRS & HMF FR EXTERIOR  
 D003C

Opening to Have:

Qty	Description	Finish	Mfg
1	CONTINUOUS HINGE A500 x FULL HEIGHT	630	ABH
1	RIM CYLINDER (PRIMUS) 20-709	626	SCHLAGE
1	MORTISE CYLINDER (IC) 20-700 x XQ11-949	626	SCHLAGE
1	RIM EXIT DEVICE CD99NL x 996L-NL	626	VON DUPRIN
1	VANDAL RESISTANT TRIM VR910-NL	630	VON DUPRIN
1	DOOR CLOSER 4111 x SHCUSH x SRI	689	LCN
1	KICK PLATE 16" x 2" LDW .050 x B4E x CTSK	630	TRIMCO
1	TEAR DROP SEAL 797B x HEAD & JAMBS	BLK	REESE
1	RAIN DRIP R201A x FULL WIDTH + 4"	628	REESE
1	THRESHOLD S483APR x SRS x FHSL x FULL WIDTH	628	REESE
1	ADJUSTABLE DOOR BOTTOM SWEEP BY FRP DOOR SUPPLER (CONCEALED)		

Hardware Set #: 0008 - SGL DRS WD & HMF (ALTERNATE # 1)  
 D003A

Opening to Have:

Qty	Description	Finish	Mfg
3	HINGE BB0168 4.5 x 4.5 x NRP	652	BAHCO
1	PRIMUS CYLINDER 20-765 (ND-LINE)	626	SCHLAGE
1	STOREROOM LOCKSET ND80LD x SPA x 10-025	626	SCHLAGE
1	KICK PLATE 16" x 2" LDW .050 x B4E x CTSK	630	TRIMCO
1	MOP PLATE 6" x 1" LDW .050 x B4E x CTSK	630	TRIMCO
1	O/H SURFACE STOP 4413 x HO (30" TO 36" DR)	630	ABH
3	SILENCERS 1229A	GRAY	TRIMCO

Hardware Set #: 0009 - SGL DRS WD & HMF (ALTERNATE # 1)  
 D007B

Opening to Have:

Qty	Description	Finish	Mfg
3	HINGE BB0168 4.5 x 4.5	652	BAHCO
1	PRIVACY LOCKSET ND40S x SPA x 10-025	626	SCHLAGE
1	DOOR CLOSER 4011 x REG	689	LCN
1	KICK PLATE 10" x 2" LDW .050 x B4E x CTSK	630	TRIMCO
1	MOP PLATE 6" x 1" LDW .050 x B4E x CTSK	630	TRIMCO
1	WALL STOP 1270WV	630	TRIMCO
3	SILENCERS 1229A	GRAY	TRIMCO

ISSUE NO. 2

Hardware Set #: 0010 - PRS DRS WD & HMF (ALTERNATE # 1)  
D003B

Opening to Have:

Qty	Description	Finish	Mfg
6	HINGE BB0168 4.5 x 4.5	652	BAHCO
2	FLUSH BOLT 3917 1" x 6-3/4" x 12"	626	TRIMCO
1	DUST PROOF STRIKE 3910	630	TRIMCO
2	PRIMUS CYLINDER 20-765 (ND-LINE)	626	SCHLAGE
1	CLASSROOM SECURITY LOCKSET ND75LD x SPA x 10-025	626	SCHLAGE
1	ASTRAGAL A548B x BEVEL EDGE x FULL HEIGHT	630	ABH
1	DOOR CLOSER 4011 x REG-H	689	LCN
2	KICK PLATE 10" x 1" LDW .050 x B4E x CTSK	630	TRIMCO
2	MOP PLATE 6" x 1" LDW .050 x B4E x CTSK	630	TRIMCO
2	WALL STOP 1270WV	630	TRIMCO
2	SILENCERS 1229A	GRAY	TRIMCO