
WINDOW & DOOR REPLACEMENT

**ABRAHAM BALDWIN MIDDLE SCHOOL
68 BULLARD DRIVE
GUILFORD, CT 06437
BID NO. 11-1617
STATE PROJECT #060-0102 EC**

S/P+A PROJECT NO. 14.007

Date Issued: March 16, 2017

The following changes to the Drawings and Project Specifications shall become a part of the Drawings and Project Specifications; superseding previously issued Drawings and Project Specifications to the extent modified by Addendum No. 3.

General Information:

- See attached RFIs. (7)
- See attached Substitution Requests. (3)
- All radiator covers and other building utilities must be temporarily removed and replaced as needed to access and replace the windows.
- Disregard scales on all Abatement Drawings.

Changes to the Specifications:

- SECTION 028434, POLYCHLORINATED BIPHENYL BULK PRODUCT ABATEMENT, Page 6, Article 1.10.C., Base Bid – PCB Remediation Waste, Estimated Quantity, revise “117 Cubic Yards” to read “See Table 1 PCB-Contaminated Soil Volume Calculations on Drawings HS-01 & HS-02”.

Changes to the Drawings:

- DRAWINGS A05, LOWER LEVEL DEMOLITION PLAN, and A06, UPPER LEVEL DEMOLITION PLAN, Demolition General Notes, Note 1, revise to read as follows:

“All testing of suspected hazardous material is by Owner. All abatement of confirmed hazardous material is by Contractor. Coordinate with all demolition work. This includes but is not limited to all paints, caulk, and sealants.”
- The following ABATEMENT drawings are being deleted in their entirety. New drawings (2) have been added and are attached as part of this addendum*:
 - HS-01 PCB SOILS EXCAVATION EXISTING LOWER LEVEL
 - HS-02 PCB SOILS EXCAVATION EXISTING UPPER LEVEL

The bid date is unchanged by this addendum.

The addendum consists of twelve (12) pages of 8½"x11" text and two (2) 30"x42" drawings*.

End of Addendum '3'

Rebecca Bouchard

From: Rebecca Bouchard
Sent: Tuesday, March 07, 2017 5:56 PM
To: 'Clare@aesremedial.com'
Cc: 'Cliff Gurnham'; Pamela Millman; Paul Jorgensen
Subject: RE: RFI for Baldwin Middle School

Clare, RFI responses are below. Thank you and good luck.

Rebecca Bouchard, CSI, CDT
 Specifications Writer



3190 Whitney Avenue Bldg 2 | Hamden, CT 06518 | silverpetrucelli.com | P: [203.230.9007 x202](tel:203.230.9007) | F: [203.230.8247](tel:203.230.8247)

From: Carlos Texidor [mailto:CTexidor@fando.com]
Sent: Tuesday, March 07, 2017 3:32 PM
To: Paul Jorgensen <pjorgensen@silverpetrucelli.com>
Cc: Rebecca Bouchard <rbouchard@silverpetrucelli.com>
Subject: RE: RFI for Baldwin Middle School

Paul
 Please see my comments in [BLUE](#)
 Respectfully,
 Carlos Texidor
 Senior Project Manager
 Fuss & O'Neill EnviroScience, LLC | 146 Hartford Road | Manchester, CT 06040
 860.646.2469 x5570 | ctexidor@fando.com | cell: 860.510.9365
www.fando.com | [twitter](#) | [facebook](#) | [linkedin](#)

From: Clare Olesen [mailto:Clare@aesremedial.com]
Sent: Tuesday, March 07, 2017 11:03 AM
To: gurnhamc@guilford.k12.ct.us
Cc: millmanp@ci.guilford.ct.us
Subject: RFI for Baldwin Middle School

Dear Mr. Gurnham,
 I have the following questions regarding the Window Replacement Project for the Baldwin Middle School.

- For the brick substrate removal in association with the expansion joint caulk:
 Are we removing any brick substrate associated with the presumed gray caulk at vertical expansion joints? What is the clearance for this work

(visual/sampling)? **No removal of substrate required; Visual will be the clearance standard.**

The “Gray Brick Expansion Caulking on Slant Shelf” is this limited only to the *vertical* caulk lines from the bottom window sill to the ground? **Yes.**

Please confirm that the CTDEEP Regulated Caulk at the **perimeter** associated with the “Single Window System” includes the caulk along the **bottom** of the window frame as well as the sides and top. **Yes, includes caulk along the bottom of the window frame as well as the sides and top.**

2. The specification indicates the PCB glazing/caulk/substrates shall be disposed of as ‘PCB Bulk Product’. Should we price this disposal as PCB Bulk Product to a TSCA landfill with no TCLP testing or assume the materials will pass TCLP for disposal at Non-TSCA facility as PCB Bulk Product?

**however a credit will
TCLP Testing and the**

Revised response on next page.

Sincerely,
Clare Olesen



Clare Olesen
Regional Project Manager
AES Remedial Contracting
132 Town Line Road, Southington, CT 06489
Phone: [860-620-1791](tel:860-620-1791)
Fax: [860-620-1792](tel:860-620-1792)
www.aesremedial.com
CTDAS SBE/WBE CTDOT SBE
An Affirmative Action/Equal Opportunity Employer

Rebecca Bouchard

From: Carlos Texidor <CTexidor@fando.com>
Sent: Friday, March 10, 2017 7:36 AM
To: Rebecca Bouchard
Subject: RE: RFI for Baldwin Middle School

Rebecca here is the revised response:

2. The specification indicates the PCB glazing/caulk/substrates shall be disposed of as 'PCB Bulk Product'. Should we price this disposal as PCB Bulk Product to a TSCA landfill with no TCLP testing or assume the materials will pass TCLP for disposal at Non-TSCA facility as PCB Bulk Product? ~~Assume the materials will be transported to a TSCA facility; however a credit will be due back to "Owner" if PCB Bulk Product materials passes the TCLP Testing and the materials are deemed disposable at Non-TSCA Waste Landfill.~~ This project is being conducted under a Performance Based Plan as per 40 CFR 761.62 waste shall be disposed of as PCB Bulk Product to a TSCA approved landfill; or in a facility with coordinated approval issued under TSCA; no exceptions.

Carlos Texidor
Senior Project Manager
Fuss & O'Neill EnviroScience, LLC | 146 Hartford Road | Manchester, CT 06040
860.646.2469 x5570 | ctexidor@fando.com | cell: 860.510.9365
www.fando.com | [twitter](#) | [facebook](#) | [linkedin](#)



**Orlando Annulli
and Sons, Inc.**

**REQUEST FOR INFORMATION #2: ALUMINUM ENTRANCE
CLARIFICATION**

To: Clifford Gurnham, gurnhamc@guilford.k12.ct.us
Purchasing, millmanp@ci.guilford.ct.us

FROM: Jonathan Adams

DATE: March 7, 2017

PROJECT: A. Baldwin Middle School Window Replacement

Question:

Specification Section: 084213 Drawing(s): A13 Through A23

1. Please clarify Door #014. Door #014 calls for an aluminum door (AL-3) with Frame Type W10. Please specify what Frame Type W10 is.

Response:

Answered in addendum #2.

By: Paul Jorgensen, SP+A

Date: 3/7/2017



**Orlando Annulli
and Sons, Inc.**

**REQUEST FOR INFORMATION #3: PCB CONTROL JOINTS
CLARIFICATION**

To: Clifford Gurnham, gurnhamc@guilford.k12.ct.us
Purchasing, millmanp@ci.guilford.ct.us

FROM: Jonathan Adams

DATE: March 7, 2017

PROJECT: A. Baldwin Middle School Window Replacement

Question:

Specification Section: 028434 Drawing(s): HMPH-01 & HMPH-02

1. Please clarify the extent (lineal footage) of the control joints to be removed according to Note 2 on the abatement drawings. Note 2 does not appear on any of the abatement drawings. An Allowance amount to include in the bid would keep all the GC's on a level playing field.

Response:

Refer to Section 028434 Base Bid – PCB Bulk Product Waste table of materials.

By: C. Texidor

Date: 03.07.17



**Orlando Annulli
and Sons, Inc.**

**REQUEST FOR INFORMATION #4: WINDOW TREATMENT
CLARIFICATION**

To: Clifford Gurnham, gurnhamc@guilford.k12.ct.us
Purchasing, millmanp@ci.guilford.ct.us

FROM: Jonathan Adams

DATE: March 8, 2017

PROJECT: A. Baldwin Middle School Window Replacement

Question:

Specification Section: 122413 Drawing(s): A Series

1. Please clarify if the Roller Shades shall be installed on the Corridors and/or Vestibules.

Response:

Roller shades should not be installed on the Corridors and/or Vestibules.

By: P. Jorgensen

Date: 03.13.17

Rebecca Bouchard

From: Paul Jorgensen
Sent: Thursday, March 16, 2017 12:00 PM
To: Rebecca Bouchard
Subject: FW: Baldwin Doors & Windows - missing RFI's

Think this covers it.

Paul Jorgensen, AIA
Associate, Project Architect

SILVER / PETRUCELLI + ASSOCIATES
P: 203.230.9007 x 208 | F: 203.230.8247 | C: 203.435.7447

-----Original Message-----
From: Cliff Gurnham [mailto:gurnhamc@guilfordschools.org]
Sent: Thursday, March 16, 2017 11:51 AM
To: Paul Jorgensen <pjorgensen@silverpetrucelli.com>
Cc: Rebecca Bouchard <rbouchard@silverpetrucelli.com>
Subject: RE: Baldwin Doors & Windows - missing RFI's

RFI #2 **SEE DOOR SCHEDULE. ALL EXIT SIGNS TO BE TYPE S4. ALL OTHERS TO BE TYPE S1. PROVIDE SIGN TYPE S3 OUTSIDE OF ALL EXIT DOORS.**

Mr. Gurnham,

This RFI is in regards to signage. Drawing A-22 depicts the signage to be used on the project. All of the new door units will receive signage, the type of signage column is blank, therefore I cannot determine the quantities required. Can you forward which signs are required for each door unit.

Please respond via e-mail.

RFI #3 **ALL WINDOWS SHALL BE CURTAINWALL. THERE IS NO STOREFRONT IN THE PROJECT.**

Mr Gurnham,

This RFI is in regards to curtainwall fabrication vs. storefront fabrication. All of the windows are detailed as Curtainwalls. According to my supplier, the only elevations that would need the structural integrity of Curtainwalls are: W7, W11, W12, W20, W24, W25 and W26. If we could provide Storefront for the other elevations, there would be considerable savings for the project. Please respond via e-mail.

Timothy S. Hill, Estimator
Marconi Construction Co Inc



SUBSTITUTION REQUEST

(During the Bidding Phase)

Project Abraham Baldwin Middle School Substitution Request Number: _____
Window and Door Replacement
 From: Jessi Wright; Draper Inc.
 To: Silver/Petruccelli+ Associates Date: 3/8/17
Hamden, CT A/E Project Number: 060-0102 EC
 Re: Roller Shade Substitution Contract For: Alteration

Specification Title: Roller Window Shades Description: Manually operated roller shades w/ single rollers
 Section: 122413 Page: 2 Article/Paragraph: 2.1 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.: Manual FlexShade System

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: R. Bouchard

Date: 03.09.17

Supporting Data Attached: Drawings Product Data Samples Tests Reports _____

Clutch-Operated FlexShade

by **DRAPER**

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

Select Clutch Color

- White
- Black
- Optional Spring Assist (minimum shade width 48")

Select Clutch Type

- Standard
- Optional Spring Assist (minimum shade width 48") As Needed

Select Chain

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

Select Cord Tension Device

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

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

- Universal Brackets (Ceiling/Wall/Inside/Outside)
- Optional Endcaps only
- Optional Fascia with Endcaps
 - Radius
 - Square
- Optional Reverse Roll Fascia with Endcaps (Square only)
- Optional Headbox
 - Ceiling/Wall
 - Pocket Style
- Optional Type "D" Pocket with Tile Lip
- Optional Channels for Light Gap Reduction
 - ¾" x 1" x 12'3" "L" Channels (Or Indicate Cut Length: _____)
 - 1" x 2¾" x 16' "L" Channels (Or Indicate Cut Length: _____)
 - 1" x 2½" x 16' "U" Channels (Or Indicate Cut 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)

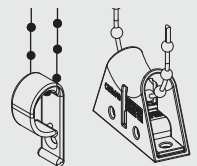
Select Installation Option

- Inside (head/sill, jamb/jamb)
- Outside (overlap opening)
- Do any units abut at mullions? Which?
- Do any units install in pocket at ceiling? Which?

Please Note: To specify dual roller units, please see submittal forms for Access Dual Roller FlexShade and Dual Roller FlexShade with Fascia.

Safety Note

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 product drawing, see page 2.

For specifications, see page 3.

For dimensions, see page 4.

| |
|----------------------------|
| PROJECT: _____ |
| ARCHITECT: _____ |
| CONTRACTOR: _____ |
| SUPPLIER: _____ |
| DATE: _____ REVISED: _____ |

DRAPER

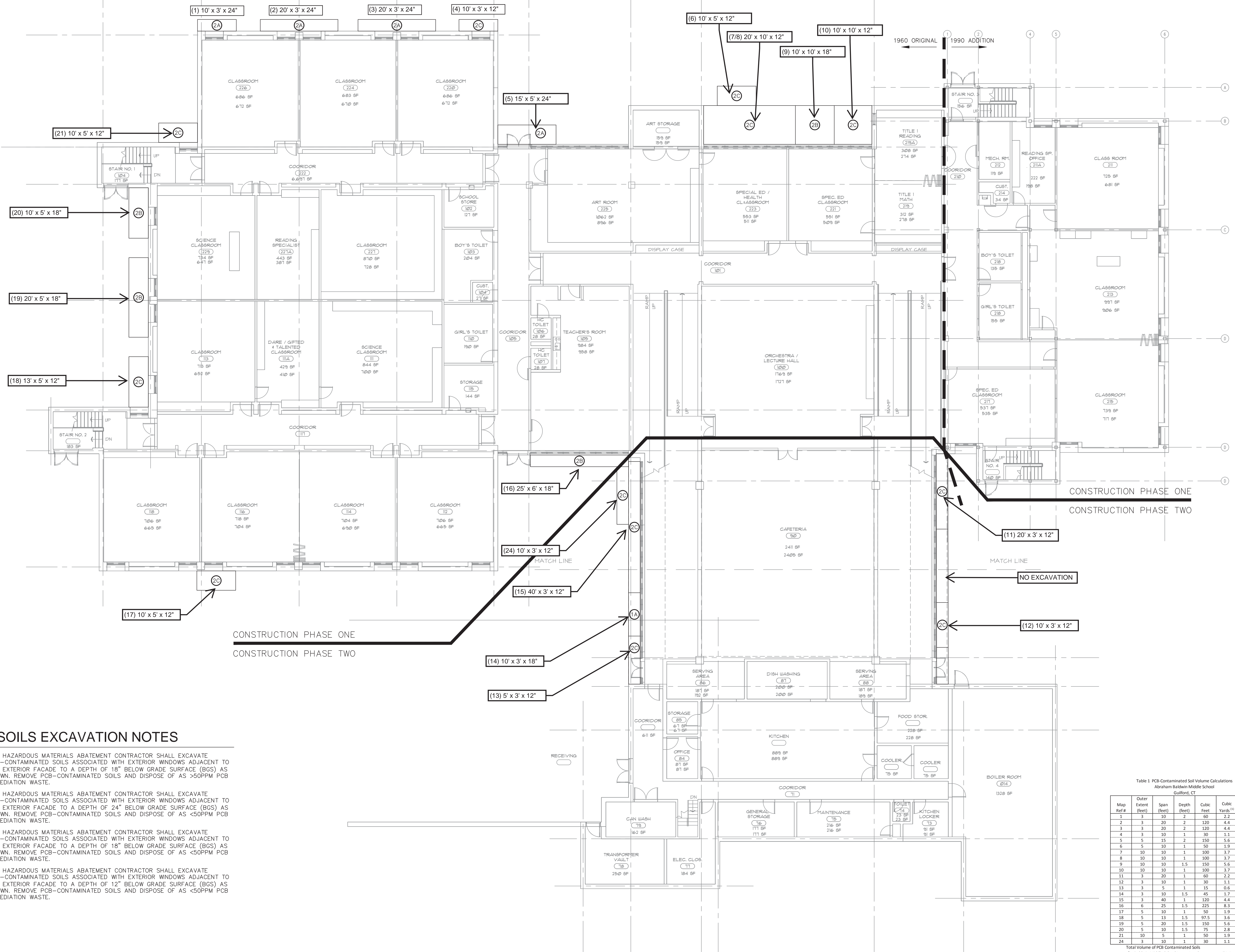
SHADE FABRIC REFERENCE GUIDE



PLEASE USE THIS FORM AS A REFERENCE.

Fabric name, color and number must be entered on the submittal form for the shade product being specified.

| | Fabric Name | Interior Mesh | Interior Blackout | Exterior Mesh | Exterior Blackout | Interior Translucent | PVC Free |
|-------------------|--|----------------------|--------------------------|----------------------|--------------------------|-----------------------------|-----------------|
| PHIFER | SheerWeave Basic | | | | | | |
| | SheerWeave Infinity 2 | | | | | | |
| | SheerWeave Performance + | | | | | | |
| | SheerWeave SW1000 | | | | | | |
| | SheerWeave SW2000 / 2100 | | | | | | |
| | SheerWeave SW2500 / 2400 / 2900 / 2600 | | | | | | |
| | SheerWeave SW2701 / 2703 / 2705 / 2710 | | | | | | |
| | SheerWeave SW3000 | | | | | | |
| | SheerWeave PW3500 / 4100 / 4400 | | | | | | |
| | SheerWeave PW4500 / 4600 | | | | | | |
| | SheerWeave PW4550 / 4650 | | | | | | |
| | SheerWeave PW4800 | | | | | | |
| | SheerWeave PW4901 / 4903 | | | | | | |
| | SheerWeave SW5000 | | | | | | |
| | SheerWeave SW7000 | | | | | | |
| | SheerWeave SW7100 | | | | | | |
| SheerWeave SW7500 | | | | | | | |
| MERMET | Avila Twilight | | | | | | |
| | E Screen | | | | | | |
| | E Screen with KoolBlack Technology | | | | | | |
| | Deco Screen | | | | | | |
| | Flocké | | | | | | |
| | GreenScreen Evolve | | | | | | |
| | GreenScreen Revive | | | | | | |
| | M-Screen | | | | | | |
| | Natte | | | | | | |
| | S-Screen | | | | | | |
| | Satine | | | | | | |
| | T-Screen | | | | | | |
| | T-Screen with KoolBlack Technology | | | | | | |
| | Vienne | | | | | | |
| Vizela | | | | | | | |
| FERRARI | Soltis 86 | | | | | | |
| | Soltis 88 | | | | | | |
| | Soltis 92 | | | | | | |
| | Soltis B92 | | | | | | |
| | Soltis 99 | | | | | | |
| DRAPER | SunBloc SB9000 | | | | | | |
| | SunBloc SB9100 | | | | | | |
| ROCKLAND | Roc-Rol | | | | | | |
| VERASOL | SilverScreen | | | | | | |
| ALKENZ | 3000 CA | | | | | | |
| | 3000 HT | | | | | | |
| | 3000 RR | | | | | | |
| | 3000 SS | | | | | | |
| | View R | | | | | | |
| | 4000 NET | | | | | | |
| | 4700 P | | | | | | |
| | 4700 Q | | | | | | |
| | Fabric Name | Interior Mesh | Interior Blackout | Exterior Mesh | Exterior Blackout | Interior Translucent | PVC Free |



PCB SOILS EXCAVATION NOTES

- (1A) THE HAZARDOUS MATERIALS ABATEMENT CONTRACTOR SHALL EXCAVATE PCB-CONTAMINATED SOILS ASSOCIATED WITH EXTERIOR WINDOWS ADJACENT TO THE EXTERIOR FACADE TO A DEPTH OF 18" BELOW GRADE SURFACE (BGS) AS SHOWN. REMOVE PCB-CONTAMINATED SOILS AND DISPOSE OF AS >50PPM PCB REMEDIATION WASTE.
- (2A) THE HAZARDOUS MATERIALS ABATEMENT CONTRACTOR SHALL EXCAVATE PCB-CONTAMINATED SOILS ASSOCIATED WITH EXTERIOR WINDOWS ADJACENT TO THE EXTERIOR FACADE TO A DEPTH OF 24" BELOW GRADE SURFACE (BGS) AS SHOWN. REMOVE PCB-CONTAMINATED SOILS AND DISPOSE OF AS <50PPM PCB REMEDIATION WASTE.
- (2B) THE HAZARDOUS MATERIALS ABATEMENT CONTRACTOR SHALL EXCAVATE PCB-CONTAMINATED SOILS ASSOCIATED WITH EXTERIOR WINDOWS ADJACENT TO THE EXTERIOR FACADE TO A DEPTH OF 18" BELOW GRADE SURFACE (BGS) AS SHOWN. REMOVE PCB-CONTAMINATED SOILS AND DISPOSE OF AS <50PPM PCB REMEDIATION WASTE.
- (2C) THE HAZARDOUS MATERIALS ABATEMENT CONTRACTOR SHALL EXCAVATE PCB-CONTAMINATED SOILS ASSOCIATED WITH EXTERIOR WINDOWS ADJACENT TO THE EXTERIOR FACADE TO A DEPTH OF 12" BELOW GRADE SURFACE (BGS) AS SHOWN. REMOVE PCB-CONTAMINATED SOILS AND DISPOSE OF AS <50PPM PCB REMEDIATION WASTE.

Table 1 PCB Contaminated Soil Volume Calculations
 Abraham Baldwin Middle School
 Guilford, CT

| Map Ref # | Outer Extent (feet) | Span (feet) | Depth (feet) | Cubic Feet | Cubic Yards ⁽¹⁾ | Tons ⁽²⁾ |
|---|---------------------|-------------|--------------|------------|----------------------------|---------------------|
| 1 | 3 | 10 | 2 | 60 | 2.2 | 3.1 |
| 2 | 3 | 20 | 2 | 120 | 4.4 | 6.2 |
| 3 | 3 | 20 | 2 | 120 | 4.4 | 6.2 |
| 4 | 3 | 10 | 1 | 30 | 1.1 | 1.6 |
| 5 | 5 | 15 | 2 | 150 | 5.6 | 7.8 |
| 6 | 5 | 10 | 1 | 50 | 1.9 | 2.6 |
| 7 | 10 | 10 | 1 | 100 | 3.7 | 5.2 |
| 8 | 10 | 10 | 1 | 100 | 3.7 | 5.2 |
| 9 | 10 | 10 | 1.5 | 150 | 5.6 | 7.8 |
| 10 | 10 | 10 | 1 | 100 | 3.7 | 5.2 |
| 11 | 3 | 20 | 1 | 60 | 2.2 | 3.1 |
| 12 | 3 | 10 | 1 | 30 | 1.1 | 1.6 |
| 13 | 3 | 5 | 1 | 15 | 0.6 | 0.8 |
| 14 | 3 | 10 | 1.5 | 45 | 1.7 | 2.3 |
| 15 | 3 | 40 | 1 | 120 | 4.4 | 6.2 |
| 16 | 6 | 25 | 1.5 | 225 | 8.3 | 11.7 |
| 17 | 5 | 10 | 1 | 50 | 1.9 | 2.6 |
| 18 | 5 | 13 | 1.5 | 97.5 | 3.6 | 5.1 |
| 19 | 5 | 20 | 1.5 | 150 | 5.6 | 7.8 |
| 20 | 5 | 10 | 1.5 | 75 | 2.8 | 3.9 |
| 21 | 10 | 5 | 1 | 50 | 1.9 | 2.6 |
| 24 | 3 | 10 | 1 | 30 | 1.1 | 1.6 |
| Total Volume of PCB Contaminated Soils for Baldwin Middle School Lower Level | | | | 71.4 | 99.9 | |
| 22 | 5 | 50 | 1 | 250 | 9.3 | 13.0 |
| 23 | 5 | 10 | 1 | 50 | 1.9 | 2.6 |
| Total Volume of PCB Contaminated Soils for Baldwin Middle School Upper Level | | | | 11.1 | 15.6 | |
| Total Volume for PCB Contaminated Soils for Lower Level | | | | | 99.9 | |
| Total Volume for PCB Contaminated Soils for Upper Level | | | | | 15.6 | |
| Total Volume for PCB Contaminated Soils for Abraham Baldwin Middle School Excavation (Tons) | | | | | | 115.5 |

1) Cubic feet / 27 = cubic yards
 2) Cubic yards * 1.4 = tons

ABRAHAM BALDWIN MIDDLE SCHOOL
 PCB SOILS EXCAVATION - EXISTING LOWER LEVEL
 68 BULLARD DRIVE
 GUILFORD, CONNECTICUT

FUSS & O'NEILL
 ENVIRONMENTAL SCIENCE, LLC
 146 HARTFORD ROAD
 MANCHESTER, CONNECTICUT 06040
 www.fuss.com

SCALE: VERT.: HORIZ.: VERT.: GRAPHIC SCALE
 DATE: 10/12/2016
 DESIGNER: REVIEWER: APPENDIX #3 DESCRIPTION: 1. 03.16.17 DATE

PROJ. No.: 20160195.A1E
 DATE: 10/12/2016
 STATE No.: 060-0102 EC
HS-01

Table 1 PCB-Contaminated Soil Volume Calculations
 Abraham Baldwin Middle School
 Guilford, CT

| Map Ref # | Outer Extent (feet) | Span (feet) | Depth (feet) | Cubic Feet | Cubic Yards ⁽¹⁾ | Tons ⁽²⁾ |
|-----------|---------------------|-------------|--------------|------------|----------------------------|---------------------|
| 1 | 3 | 10 | 2 | 60 | 2.2 | 3.1 |
| 2 | 3 | 20 | 2 | 120 | 4.4 | 6.2 |
| 3 | 3 | 20 | 2 | 120 | 4.4 | 6.2 |
| 4 | 3 | 10 | 1 | 30 | 1.1 | 1.6 |
| 5 | 5 | 15 | 2 | 150 | 5.6 | 7.8 |
| 6 | 5 | 10 | 1 | 50 | 1.9 | 2.6 |
| 7 | 10 | 10 | 1 | 100 | 3.7 | 5.2 |
| 8 | 10 | 10 | 1 | 100 | 3.7 | 5.2 |
| 9 | 10 | 10 | 1.5 | 150 | 5.6 | 7.8 |
| 10 | 10 | 10 | 1 | 100 | 3.7 | 5.2 |
| 11 | 3 | 20 | 1 | 60 | 2.2 | 3.1 |
| 12 | 3 | 10 | 1 | 30 | 1.1 | 1.6 |
| 13 | 3 | 5 | 1 | 15 | 0.6 | 0.8 |
| 14 | 3 | 10 | 1.5 | 45 | 1.7 | 2.3 |
| 15 | 3 | 40 | 1 | 120 | 4.4 | 6.2 |
| 16 | 6 | 25 | 1.5 | 225 | 8.3 | 11.7 |
| 17 | 5 | 10 | 1 | 50 | 1.9 | 2.6 |
| 18 | 5 | 13 | 1.5 | 97.5 | 3.6 | 5.1 |
| 19 | 5 | 20 | 1.5 | 150 | 5.6 | 7.8 |
| 20 | 5 | 10 | 1.5 | 75 | 2.8 | 3.9 |
| 21 | 10 | 5 | 1 | 50 | 1.9 | 2.6 |
| 24 | 3 | 10 | 1 | 30 | 1.1 | 1.6 |

Total Volume of PCB Contaminated Soils for Baldwin Middle School Lower Level 71.4 99.9

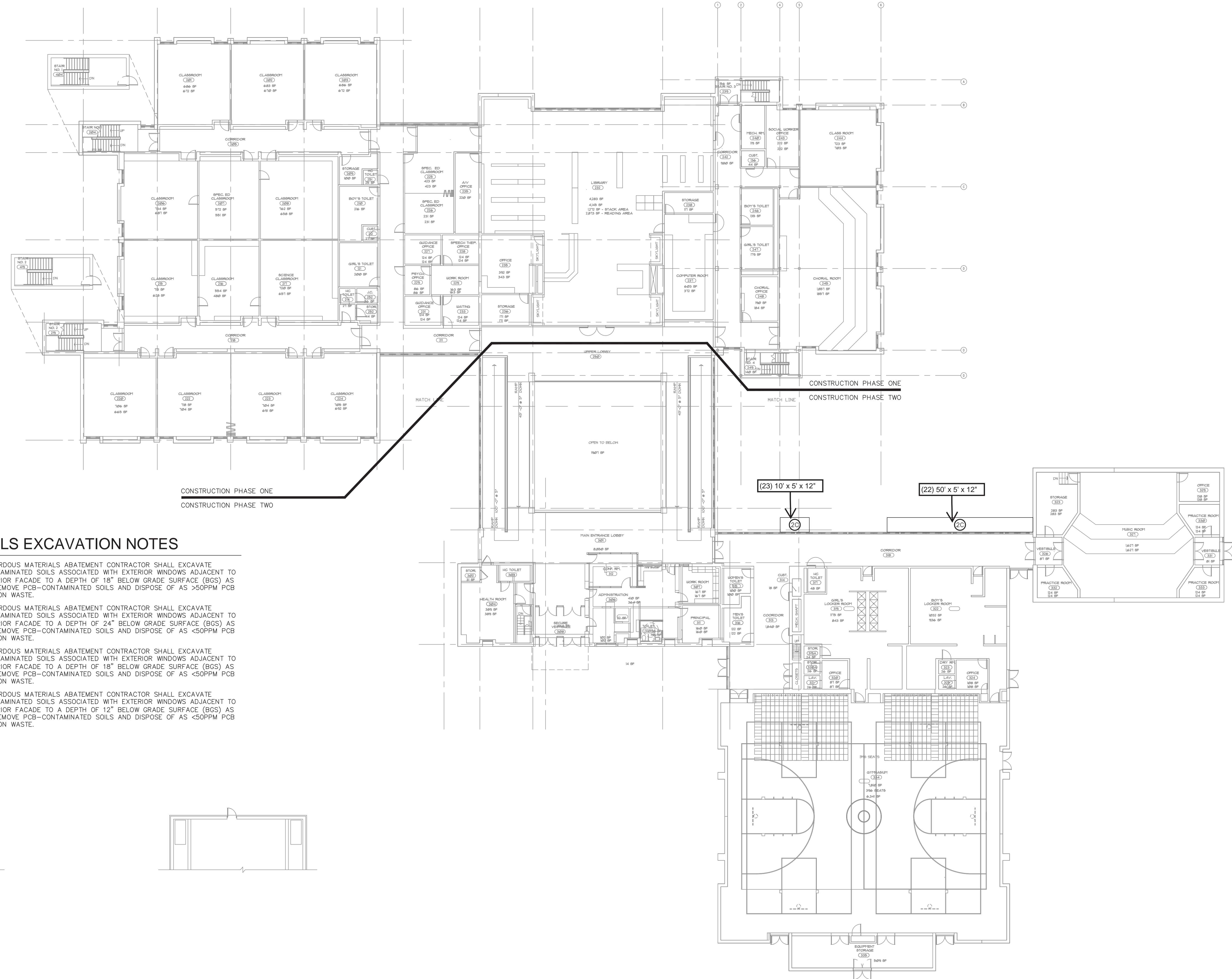
| | | | | | | |
|----|---|----|---|-----|-----|------|
| 22 | 5 | 50 | 1 | 250 | 9.3 | 13.0 |
| 23 | 5 | 10 | 1 | 50 | 1.9 | 2.6 |

Total Volume of PCB Contaminated Soils for Baldwin Middle School Upper Level 11.1 15.6

Total Volume for PCB Contaminated Soils for Lower Level 99.9
 Total Volume for PCB Contaminated Soils for Upper Level 15.6

Total Volume for PCB Contaminated Soils for Abraham Baldwin Middle School Excavation (Tons) 115.5

1) Cubic feet / 27 = cubic yards
 2) Cubic yards * 1.4 = tons



PCB SOILS EXCAVATION NOTES

- (1A) THE HAZARDOUS MATERIALS ABATEMENT CONTRACTOR SHALL EXCAVATE PCB-CONTAMINATED SOILS ASSOCIATED WITH EXTERIOR WINDOWS ADJACENT TO THE EXTERIOR FACADE TO A DEPTH OF 18" BELOW GRADE SURFACE (BGS) AS SHOWN. REMOVE PCB-CONTAMINATED SOILS AND DISPOSE OF AS >50PPM PCB REMEDIATION WASTE.
- (1B) THE HAZARDOUS MATERIALS ABATEMENT CONTRACTOR SHALL EXCAVATE PCB-CONTAMINATED SOILS ASSOCIATED WITH EXTERIOR WINDOWS ADJACENT TO THE EXTERIOR FACADE TO A DEPTH OF 24" BELOW GRADE SURFACE (BGS) AS SHOWN. REMOVE PCB-CONTAMINATED SOILS AND DISPOSE OF AS <30PPM PCB REMEDIATION WASTE.
- (2B) THE HAZARDOUS MATERIALS ABATEMENT CONTRACTOR SHALL EXCAVATE PCB-CONTAMINATED SOILS ASSOCIATED WITH EXTERIOR WINDOWS ADJACENT TO THE EXTERIOR FACADE TO A DEPTH OF 18" BELOW GRADE SURFACE (BGS) AS SHOWN. REMOVE PCB-CONTAMINATED SOILS AND DISPOSE OF AS <50PPM PCB REMEDIATION WASTE.
- (2C) THE HAZARDOUS MATERIALS ABATEMENT CONTRACTOR SHALL EXCAVATE PCB-CONTAMINATED SOILS ASSOCIATED WITH EXTERIOR WINDOWS ADJACENT TO THE EXTERIOR FACADE TO A DEPTH OF 12" BELOW GRADE SURFACE (BGS) AS SHOWN. REMOVE PCB-CONTAMINATED SOILS AND DISPOSE OF AS <50PPM PCB REMEDIATION WASTE.



existing upper level FLOOR PLAN

| | |
|---|--|
| <p>FUSS & O'NEILL ENVIRONMENTAL SCIENCE, LLC 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 www.fussandoneill.com</p> | <p>CONNECTICUT</p> |
| <p>ABRAHAM BALDWIN MIDDLE SCHOOL PCB SOILS EXCAVATION - EXISTING UPPER LEVEL 68 BULLARD DRIVE GUILFORD</p> | <p>SCALE: VERT.: HORIZ.: DATUM: HORIZ.: VERT.: GRAPHIC SCALE</p> |
| <p>PROJ. No.: 20160195.A1E DATE: 10/12/2016 STATE No.: 060-0102 EC</p> | <p>DESIGNER REVIEWER ADDENDUM #3 1. 03.16.17 DATE</p> |