

**ADDENDUM #5**

**FOR**

**RACE BROOK ELEMENTARY SCHOOL  
BOILER AND UNIT VENTILATOR REPLACEMENT  
PROJECT**

**107 GRANNIS ROAD, ORANGE, CT**

**TOWN OF ORANGE  
BOARD OF EDUCATION  
637 ORANGE CENTER ROAD  
ORANGE, CONNECTICUT**

**LYNN MCMULLIN  
SUPERINTENDENT OF SCHOOLS**



**STATE PROJECT NUMBER TMP-107-QGCV  
ISSUED: NOVEMBER 22, 2013**

**ROSE-TISO & CO., LLC  
ARCHITECTS, SURVEYORS, & ENGINEERS  
35 BRENTWOOD AVENUE, FAIRFIELD, CT 06825  
TEL. 203-610-6262, FAX 203-610-6404**

**MUSCO ENGINEERING ASSOCIATES  
CONSULTING ENGINEERS  
375 MORGAN LANE, UNIT 307  
WEST HAVEN, CONNECTICUT 06516  
TEL: (203) 932-1901 FAX: (203) 931-1550**



**Facility Support Services, LLC**

**Environmental & Safety Consulting Engineers**

**ADDENDUM # 5**

All contractors receiving addenda are reminded that they must verify receipt of all addendums in their Bid Proposals. The following addendum modifies, substitutes, deletes, and/or adds items to the Bid Documents, Specifications and Drawings.

THE BID DATE SHALL REMAIN THE SAME AS LISTED IN THE INSTRUCTIONS TO BIDDERS

**BID FORMS:**

1. Bid Form – Delete Bid Form and substitute attached Bid Form. Additional Addendum Lines added.

**TECHNICAL SPECIFICATIONS**

1. Add attached Asbestos Bulk Sampling of exterior stone Gatty walls. Testing revealed that all of the materials sampled contained less than 1% asbestos and can now be considered non-asbestos containing.
2. Existing Fire Alarm System manufacturer is Simplex.

**End of Addendum #5**

BID FORM

RACE BROOK ELEMENTARY SCHOOL  
BOILER REPLACEMENT PROJECT

Name and Address of Bidder:

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Gentlemen:

The undersigned, having familiarized ( ) his/herself ( ) themselves with the local conditions affecting the cost of the work, and with the Project Manual (including the Bidding and Contract Documents and the Technical Specifications) the Drawings and Addenda, if any thereto, as prepared by Rose-Tiso & Co., LLC, and on file in the office of the Town of Orange, hereby propose to construct and complete the Project listed above for the Race brook Elementary School - Boiler Replacement Project, Orange, Connecticut, all in accordance therewith for the sum listed below.

**BASE BID**

**ITEM #1 – BOILER REPLACEMENT:**

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

**BREAKDOWN OF BASE BID**

ACM Abatement & Disposal	\$ _____
PCB Abatement & Disposal	\$ _____
Demolition Boiler Room	\$ _____
Demolition Unit Ventilators	\$ _____
Masonry Supply & Install	\$ _____
Firestopping & joint Sealants Supply & Install	\$ _____
Louvers Supply & Install	\$ _____
Boilers Equipment Supply	\$ _____
Boiler Installation	\$ _____
Unit Ventilators Equipment Supply	\$ _____
Unit Ventilators Installation	\$ _____
Energy Management System Supply & Install	\$ _____

Electrical Boiler Room Supply & Install \$ \_\_\_\_\_

Electrical Unit Ventilators Supply & Install \$ \_\_\_\_\_

**Total Base Bid** \$ \_\_\_\_\_

**UNIT PRICES:**

The undersigned further proposes and agrees that, should the amount of work required be increased or decreased, the following Unit Prices will be the cost-in-place for computing extra cost or credits.

The amounts shown below are Gross changes to the Contract Sum for additional work and include the Contractor's and Subcontractor's amount for overhead and profit. All work is to be accomplished in accordance with applicable sections of the specifications, and each Unit Price shall include all equipment, tools, labor, permits fees, etc., incidental to the completion of the work involved.

The following Unit Prices and provisions are to be included in and become part of this Contract to be used in evaluating additions to or deductions from the work called for in the Specifications and/or Drawings. BIDDERES ARE REQUIRED TO SUBMIT WITH THEIR BIDS, AMOUNTS FOR THE UNIT PRICE DESCRIPTIONS AS LISTED BELOW:

<u>DESCRIPTION</u>	<u>UNIT</u>	<u>COST</u>
1. ACM Mudded Fittings & End Caps, Removal & Disposal	Each	\$ _____
2. PCB Removal of Substrate	S.F.	\$ _____
3. Disposal PCB Impacted Substrate	Ton	\$ _____
4. Substrate Replacement	S.F.	\$ _____

Notes:

1. Includes all labor and equipment
2. Includes loading, transport & disposal fees

**If awarded this Contract, the Undersigned guarantees Completion of Contract.**

**Note: Contractor is required to give completion date** \_\_\_\_\_

**SECTION III - ADDENDUM RECEIPT**

Receipt of the following Addenda to the Contract Documents is acknowledged:

Addendum Number: \_\_\_\_\_ Dated: \_\_\_\_\_

**SECTION IV - BID ACCEPTANCE**

1. In submitting this bid, it is understood that the right is reserved by the Orange Board of Education to reject any and all bids. If written notice of the acceptance of this bid is mailed, faxed, or delivered to the undersigned within thirty (30) days after the opening thereof, the undersigned agrees to execute and deliver a contract in the prescribed form and furnish the required bonds within ten (10) days after the contract is presented to him for signature.
2. The contract award will be made to the lowest responsible bidder. The Town of Orange further reserves the right to reject any bid or all bids.
3. Certification of Non-segregated Facilities. By signing this bid, the bidder certifies that he does not maintain or provide for his employees any segregated facilities at any of his establishments, and that he does not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. He certifies further that he will not permit his employees to perform their services at any location under his control, where segregated facilities are maintained.
4. The bidder agrees that a breach of this certification is a violation of the Equal Opportunity clause in the contract. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, restrooms and wash rooms, restaurants, and other eating areas, time clocks, locker rooms, and other storage or dressing areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact, segregated on the basis of race, color, religion, national origin, because of habit, local custom, or otherwise. He further agrees that (except where he has obtained identical certification from proposed subcontractors prior to the award of subcontracts exceeding \$10,000.00 which are not exempt from the provision of the Equal Opportunity clause) that he will forward a notice to these proposed subcontractors as provided in the Instruction to Bidders.

**NOTE:** The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001.

Date \_\_\_\_\_ 20 \_\_\_\_\_

**OFFICIAL ADDRESS:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ By \_\_\_\_\_  
\_\_\_\_\_ Title \_\_\_\_\_  
\_\_\_\_\_



# Facility Support Services, LLC

Environmental & Safety Consulting Engineers

November 20, 2013

FSS PN: 26213

Town of Orange  
Board of Education  
Attn: Michael Luzzi  
637 Orange Center Road  
Orange, Connecticut 06477

**RE: Asbestos Bulk Sampling of Gatty Walls  
Race Brook School; Orange, Connecticut**

At the request of the Orange Board of Education, Facility Support Services, LLC (FSS) conducted an inspection and bulk asbestos sampling on June 28 and November 12, 2013 of suspect asbestos containing materials associated with the exterior Gatty walls of the Race Brook School located at 107 Grannis Road in Orange, Connecticut. This sampling was conducted to facilitate the installation of a ventilation system and for security improvements.

The inspection and sampling was conducted by Mr. Kevin Bogue of FSS, a State of Connecticut licensed Asbestos Inspector #000157. Copies of the asbestos inspector's certifications are located in Attachment A of this report. The bulk samples were delivered under full chain of custody and analyzed by a certified laboratory, EMSL Analytical, Inc., via EPA/600/R-93/116. This is currently the approved EPA test method, which uses Polarized Light Microscopy (PLM). EMSL Analytical, Inc. is an accredited asbestos laboratory (NVLAP # 200700-0) and is a State of Connecticut approved public health laboratory for asbestos analysis. **The laboratory results revealed that all of the materials sampled contained less than 1% asbestos and can now be considered non-asbestos containing.** Copies of the laboratory analytical results can be found in Attachment B of this report. Please note that any materials discovered during construction activities which have not been included in this survey or previously sampled must be presumed to contain asbestos until such time that bulk samples can be collected and analyzed for asbestos content.

FSS is pleased to assist the Orange BOE with this project. If you have any questions, or if we can be of further assistance, please contact the undersigned at (203) 288-1281.

Sincerely,

**Facility Support Services, LLC**

Kevin S. Bogue  
Asbestos Inspector/Management Planner #000157

Attachments

**Attachment A**  
**Asbestos Inspector Certifications**

**STATE OF CONNECTICUT**

DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT  
THE INDIVIDUAL NAMED BELOW IS LICENSED  
BY THIS DEPARTMENT AS A

**ASBESTOS CONSULTANT - INSP/MGMT PLANNER**

**KEVIN S. BOGUE**

LICENSE NO.  
000157  
CURRENT THROUGH  
08/31/14  
VALIDATION NO.  
03-628349

*Kevin Bogue*  
SIGNATURE

*James Miller*  
COMMISSIONER

**Attachment B**  
**Laboratory Analytical Results**

**EMSL Analytical, Inc.**

4 Fairfield Boulevard, Wallingford, CT 06492  
 Phone/Fax: 203-284-5948 / (203) 284-5978  
<http://www.emsl.com> [wallingfordlab@emsl.com](mailto:wallingfordlab@emsl.com)

EMSL Order: 241302464  
 CustomerID: FSS93  
 CustomerPO:  
 ProjectID:

Attn: **Kevin Bogue**  
**Facility Support Services, LLC**  
**2685 State Street**  
  
**Hamden, CT 06517**

Phone: (203) 288-1281  
 Fax: (203) 248-4409  
 Received: 06/28/13 1:45 PM  
 Analysis Date: 7/2/2013  
 Collected: 6/28/2013

Project: 34613

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
20130628-01A-Tan Surface Coat 241302464-0001	Wall system- lt tan surface coat + lt brown - base panel	Tan Non-Fibrous Homogeneous	<1% Fibrous (other)	100% Non-fibrous (other)	<1% Chrysotile
20130628-01A-Brown Base Panel 241302464-0001A	Wall system- lt tan surface coat + lt brown - base panel	Brown Non-Fibrous Homogeneous	25% Cellulose <1% Fibrous (other)	75% Non-fibrous (other)	None Detected
20130628-01B-Tan Surface Coat 241302464-0002	Wall system- lt tan surface coat + lt brown - base panel	Tan Non-Fibrous Homogeneous	<1% Fibrous (other) <1% Cellulose	100% Non-fibrous (other)	<1% Chrysotile
20130628-01B-Brown Base Panel 241302464-0002A	Wall system- lt tan surface coat + lt brown - base panel	Brown Non-Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (other)	None Detected
20130628-01C-Tan Surface Coat 241302464-0003	Wall system- lt tan surface coat + lt brown - base panel	Tan Non-Fibrous Homogeneous	<1% Cellulose <1% Fibrous (other)	100% Non-fibrous (other)	<1% Chrysotile
20130628-01C-Brown Base Panel 241302464-0003A	Wall system- lt tan surface coat + lt brown - base panel	Brown Fibrous Homogeneous	35% Cellulose <1% Fibrous (other)	65% Non-fibrous (other)	None Detected

Analyst(s)

Kristin Lopez (4)  
 William Shedrawy (2)

Gloria V. Oriol, Laboratory Manager  
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Wallingford, CT NVLAP Lab Code 200700-0.

Initial report from 07/02/2013 10:36:33



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

# Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

241302464

EMSL Analytical, Inc.  
4 Fairfield Blvd

Wallingford, CT 06492  
PHONE: (203) 284-5948  
FAX: (203) 284-5978

Company : Facility Support Services, LLC		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 2685 State Street		Third Party Billing requires written authorization from third party	
City: Hamden	State/Province: CT	Zip/Postal Code: 06517	Country: United States
Report To (Name): Kevin Bogue		Telephone #: 203-288-1281	
Email Address: kbogue.fss@snet.net		Fax #: 203-248-4409	Purchase Order:
Project Name/Number: 34613		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail	
U.S. State Samples Taken: CT		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

**Turnaround Time (TAT) Options\* - Please Check**

3 Hour  
  6 Hour  
  24 Hour  
  48 Hour  
  72 Hour  
  96 Hour  
  1 Week  
  2 Week

\*For TEM Air 3 hr through 6 hr, please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

<p><b>PLM - Bulk (reporting limit)</b></p> <p><input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (&lt;1%)</p> <p><input type="checkbox"/> PLM EPA NOB (&lt;1%)</p> <p>Point Count <input type="checkbox"/> 400 (&lt;0.25%) <input type="checkbox"/> 1000 (&lt;0.1%)</p> <p>Point Count w/Gravimetric <input type="checkbox"/> 400 (&lt;0.25%) <input type="checkbox"/> 1000 (&lt;0.1%)</p> <p><input type="checkbox"/> NIOSH 9002 (&lt;1%)</p> <p><input type="checkbox"/> NY ELAP Method 198.1 (friable in NY)</p> <p><input type="checkbox"/> NY ELAP Method 198.6 NOB (non-friable-NY)</p> <p><input type="checkbox"/> OSHA ID-191 Modified</p> <p><input type="checkbox"/> Standard Addition Method</p>	<p><b>TEM - Bulk</b></p> <p><input type="checkbox"/> TEM EPA NOB - EPA 600/R-93/116 Section 2.5.5.1</p> <p><input type="checkbox"/> NY ELAP Method 198.4 (TEM)</p> <p><input type="checkbox"/> Chatfield Protocol (semi-quantitative)</p> <p><input type="checkbox"/> TEM % by Mass - EPA 600/R-93/116 Section 2.5.5.2</p> <p><input type="checkbox"/> TEM Qualitative via Filtration Prep Technique</p> <p><input type="checkbox"/> TEM Qualitative via Drop Mount Prep Technique</p> <p><b>Other</b></p> <p><input type="checkbox"/></p>
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Check For Positive Stop - Clearly Identify Homogenous Group      Date Sampled: 6/28/13

Samplers Name: Kevin Bogue      Samplers Signature: Kevin Bogue

Sample #	HA #	Sample Location	Material Description
241302464-01A	1	well system	lt floor surface coat + lt brown base panel
241302464-01B	1	well system	lt floor surface coat + lt brown base panel
241302464-01C	1	well system	lt floor surface coat + lt brown base panel

**RECEIVED**  
 JUN 28 2013  
 By: [Signature]

Client Sample # (s): 01A - 01C      Total # of Samples: 3

Relinquished (Client): Kevin Bogue      Date:      Time:

Received (Lab):      Date:      Time:

Comments/Special Instructions:

**EMSL Analytical, Inc.**

29 North Plains Highway, Unit # 4, Wallingford, CT 06492  
 Phone/Fax: 203-284-5948 / (203) 284-5978  
<http://www.EMSL.com> [wallingfordlab@emsl.com](mailto:wallingfordlab@emsl.com)

EMSL Order: 241304522  
 CustomerID: FSS93  
 CustomerPO:  
 ProjectID:

Attn: **Kevin Bogue**  
**Facility Support Services, LLC**  
**2685 State Street**  
  
**Hamden, CT 06517**

Phone: (203) 288-1281  
 Fax: (203) 248-4409  
 Received: 11/12/13 1:25 PM  
 Analysis Date: 11/18/2013  
 Collected: 11/12/2013

Project: 26213

### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
26213-20131112-S1 241304522-0001	Courtyard area, exterior - grey cementitious/press board	Gray/Tan Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (other)	None Detected
26213-20131112-S2 241304522-0002	Courtyard area, exterior - grey cementitious/press board	Gray/Tan Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (other)	None Detected
26213-20131112-S3 241304522-0003	Courtyard area, exterior - grey cementitious/press board	Gray Non-Fibrous Homogeneous	35% Cellulose	65% Non-fibrous (other)	None Detected

Analyst(s)

*Kristin Lopez (2)*  
*Renaldo Drakes (1)*

Gloria V. Oriol, Laboratory Manager  
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%  
 Samples analyzed by EMSL Analytical, Inc. Wallingford, CT NVLAP Lab Code 200700-0.

Initial report from 11/18/2013 16:03:27



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

### Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

241304522

EMSL Analytical, Inc.  
29 North Plains Hwy, Unit 4

Wallingford, CT 06492  
PHONE: (203) 284-5948  
FAX: (203) 284-5978

Company : Facility Support Services, LLC		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 2685 State Street		Third Party Billing requires written authorization from third party	
City: Hamden	State/Province: CT	Zip/Postal Code: 06517	Country: United States
Report To (Name): Kevin Bogue		Telephone #: 203-288-1281	
Email Address: kbogue.fss@snet.net		Fax #: 203-248-4409	Purchase Order:
Project Name/Number: 26213		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail	
U.S. State Samples Taken: CT		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

**Turnaround Time (TAT) Options\* - Please Check**

3 Hour  
  6 Hour  
  24 Hour  
  48 Hour  
  72 Hour  
  96 Hour  
  1 Week  
  2 Week

\*For TEM Air 3 hr through 6 hr, please call ahead to schedule. \*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

<p><b>PLM - Bulk (reporting limit)</b></p> <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NIOSH 9002 (<1%) <input type="checkbox"/> NY ELAP Method 198.1 (friable in NY) <input type="checkbox"/> NY ELAP Method 198.6 NOB (non-friable-NY) <input type="checkbox"/> OSHA ID-191 Modified <input type="checkbox"/> Standard Addition Method	<p><b>TEM - Bulk</b></p> <input type="checkbox"/> TEM EPA NOB - EPA 600/R-93/116 Section 2.5.5.1 <input type="checkbox"/> NY ELAP Method 198.4 (TEM) <input type="checkbox"/> Chatfield Protocol (semi-quantitative) <input type="checkbox"/> TEM % by Mass - EPA 600/R-93/116 Section 2.5.5.2 <input type="checkbox"/> TEM Qualitative via Filtration Prep Technique <input type="checkbox"/> TEM Qualitative via Drop Mount Prep Technique
<p><b>Other</b></p> <input type="checkbox"/>	

Check For Positive Stop - Clearly Identify Homogenous Group      Date Sampled: 11/12/13

Samplers Name: Kevin Bogue      Samplers Signature: Ken Bogue

Sample #	HA #	Sample Location	Material Description
26213-2013 1112-S1	1	Grey cementitious/press board	←→ courtyard Area, exterior
26213-2013 1112-S2	1	" " "	←→ east side, exterior
26213-2013 1112-S3	1	" " "	←→ southern Area, exterior

Client Sample # (s): 51 - 53      Total # of Samples: 3

Relinquished (Client): Ken Bogue      Date: 11/12/13      Time:

Received (Lab):      Date:      Time:

Comments/Special Instructions:

RECEIVED  
NOV 12 2013  
By: [Signature] 1:25 PM  
Wallingford, CT