



**BUREAU OF ADMINISTRATION
OFFICE OF THE STATE ENGINEER**

Joe Foss Building
523 East Capitol Avenue
Pierre, South Dakota 57501-3182
Phone: 605.773.3466
Fax: 605.773.5980
<http://boa.sd.gov/divisions/engineer/>

**Addendum # 1
Originated by
OFFICE OF THE STATE ENGINEER**

August 7, 2015

Project: Asbestos Abatement
Chemical and Biological Engineering/Chemistry Building
South Dakota School of Mines & Technology
Rapid City, South Dakota
OSE #R0715--03X

Letting Date: August 12, 2015, 3:00 PM CT

At: Office of the State Engineer, Joe Foss Building, 523 East Capitol Avenue, Pierre, SD 57501-3182

Owner: Bureau of Administration

Scope Of This Addendum:

The following becomes a part of the original plans and specifications, taking precedence over the items that may conflict. The bidder shall note receipt and make acknowledgment of the addendum on his bid form, incorporating its provisions in his bid.

- Item No. 1 Reference attached GeoTek Addendum date August 4, 2015.
- Item No. 2 Reference attached Revised Bid Form.
- Item No. 3 Reference attached Additional Survey Data.



KRISTI HONEYWELL, P.E.
State Engineer
Office of the State Engineer



**GEOTEK ENGINEERING
& TESTING SERVICES, INC.**
909 East 50th Street North
Sioux Falls, South Dakota 57104
605-335-5512 Fax 605-335-0773

Addendum #1

Project: Asbestos Abatement
Chemical and Biological Engineering/Chemistry Building
South Dakota School of Mines & Technology
Rapid City, South Dakota
OSE #R0715 - - 03X

Bid Date: Sealed bids will be received by the State Engineer, on behalf of the State of South Dakota Board of Regents, at the Office of the State Engineer, Joe Foss Building, 523 East Capitol, Pierre, South Dakota 57501-3182 until **3:00 PM CT, August 12, 2015** for labor and material for Asbestos Abatement, Chemical & Biological Engineering/Chemistry Building Renovation, SD School of Mines & Technology, Rapid City, SD OSE #R0715 - - 03X.

Issue Date: 08-04-15

Notice: Failure to acknowledge all addenda in the BID may cause the rejection of the BID. See Instruction to Bidders

SCOPE OF THIS ADDENDUM:

The following becomes a part of the original project manual and drawings, taking precedence over the items that may conflict. The bidder shall note receipt and make acknowledgement of the Addendum on the Bid Form, incorporating its provisions in the Bid.

PROJECT MANUAL:

Section 5 – Instruction to Bidders

A.....Bid Form and/or Explanation of Alternates

Delete existing BID FORM pages 14, 15, 16 and 17, and replace with the new attached REVISED BID FORM pages 14, 15, 16, and 17. The specification date (page 14) changed to July 17, 2015. The Phase I work completion date (page 16) changed to September 18, 2015.

Section 9 - Technical Specifications and Index:

Under “1.0 PROJECT”, change these dates:

The building renovation will occur in two phases, Phase I from approximately September 12, 2015 to July 31, 2016, and Phase II from approximately August 21, 2016 to December 1, 2016.

Asbestos Abatement Phase I work must be completed by September 18, 2015.

Below are updated locations and quantities of three of the asbestos materials to be removed (locations and/or quantities of other asbestos materials to be removed have not changed):

MATERIALS TO BE REMOVED UNDER BASE BID		
Room #	Asbestos Material	Approximate Quantity *
Rm 1102	Mastic of Black Base Cove, 2"	11'
Rm 1103	Mastic of Black Base Cove, 2"	134'
Rm 1105	Mastic of Black Base Cove, 2"	8'
Rm 1107	Mastic of Black Base Cove, 2"	16'
Rm 1108	Mastic of Black Base Cove, 2"	241'
Rm 3301	Mastic of Black Base Cove, 2"	158'
Rm 3302	Mastic of Black Base Cove, 2"	20'
Rm 3303	Mastic of Black Base Cove, 2"	20'
Exterior, North Side Window (sides)	Caulk, white, old	24'

BASE BID - APPROXIMATE TOTAL QUANTITIES *

<u>Material</u>	<u>Approximate Quantity *</u>
Mastic of Base Cove	608 linear feet
Caulk	24 linear ft

MATERIALS TO BE REMOVED UNDER ALTERNATE #1		
Room #	Asbestos Material	Approximate Quantity *
Rm 2228	Plaster	986 sq ft
Exterior, North Side, vent	Caulk, white, old	4'
Exterior, South Side, Windows (sides)	Caulk, white, old	32'
Exterior, South Side, univents	Caulk, white, old	128'
Exterior, West Side, vent	Caulk, white, old	20'
Exterior, East Side Rm 2228, vent	Caulk, white, old	16'

The following additional information is provided:

Prior to asbestos abatement in Rm 1199 (1st floor hallway) and Rm 2299 (2nd floor hallway), the building renovation General Contractor is to remove the suspended ceiling tiles, remove sufficient interior walls/partitions to facilitate removal of transite pipe/duct, and clean up debris generated from such removal.

Additional bulk samples were collected of two building materials on July 30, 2015. The results are attached (Amendment #1 to Limited Asbestos Survey, GeoTek #15-438, 8-4-15). Only the finish coat

of the plaster on soffits in Rm 2228 contains asbestos. Remove the finish coat of the plaster, leaving the (non-asbestos containing) base coat in-place. After satisfactory visual clearance (by Environmental consultant) that the finish coat of plaster has been removed, encapsulate remaining plaster base coat.

SDSM&T staff have evaluated the risk of exposure to possible chemical residue on fume hoods, and fume hoods are considered safe for handling, cutting, removal, and disposal by asbestos abatement Contractor.

CONTACTS:

GeoTek Engineering:

Jerry Zutz

P: 605-335-5512

E-mail: jzutz@geotekeng.com

END OF ADDENDUM

REVISED BID FORM

**Asbestos Abatement
Chemical and Biological Engineering/Chemistry Building
South Dakota School of Mines & Technology
Rapid City, South Dakota
OSE #R0715—03X**

Date: _____

To: State Engineer, Office of the State Engineer
Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

Phone: 605-773-3466
Fax: 605-773-5980

The undersigned, being familiar with the local conditions affecting the work, and with the Contract Documents, including the Invitation to Bid, Instructions to Bidders, Bid Form, Explanation of Alternates, Modification to Bid Form, Bid Bond Form, Performance and Payment Bond, Acknowledgment of Surety, Sample Certification of Surety, Non-Resident Bidder Affidavit, Form of Agreement for Construction, General Conditions, Special Conditions, Technical Specifications, Plans and Addenda which govern the purchase of material and labor and the awarding of contracts hereby proposes to do all the work and provide all the material and equipment which pertains to

Asbestos Abatement, SDSM&T CBEC South Wing Renovation, OSE #R0715--03X, as provided for in the Plan and accompanying Specifications dated July 17, 2015

for the following base bid:

BASE BID _____ DOLLARS (\$ _____)

It will be necessary to remobilize to remove materials under the base bid at a later date (i.e. material inaccessible during initial abatement period):

Remobilization \$ _____ Lump Sum/Event

ALTERNATE #1 _____ DOLLARS (\$ _____)

Unit Prices for Glovebag Removal (of possible additional asbestos materials)

- 1. Remobilization \$ _____ Lump Sum/Event
- 2. Pipe Insulation \$ _____ Linear Foot
- 3. Packed Pipe Fitting \$ _____ Each

Unit Prices for Gross Removal within Containment (of possible additional asbestos materials)

4. Remobilization	\$ _____	Lump Sum/Event
5. Containment Setup	\$ _____	Lump Sum
6. Pipe Insulation	\$ _____	Linear Foot
7. Packed Pipe Fitting	\$ _____	Each
8. Floor Tile	\$ _____	Square Foot
9. Floor Tile & Mastic	\$ _____	Square Foot
10. Mastic of Floor Tile	\$ _____	Square Foot
11. Mastic of Base Cove	\$ _____	Linear Foot
12. Transite Duct/Pipe	\$ _____	Linear Foot
13. Transite Panels	\$ _____	Square Foot

Proposed Asbestos Material/Waste Disposal Facility _____

The above unit prices shall include all labor, materials, bailing, shoring removal, overhead, profit, insurance, etc., to cover the finished work of the several kinds called for. Changes shall be processed in accordance with Article 14 of the General Conditions.

The Owner also reserves the unrestricted privilege to reject any unit prices for additions to or deductions from the scheduled amount of work as given in the Bid, if the same are considered excessive or unreasonable, or to accept by including the same in the contract as unit prices applicable in the event of addition to or deduction from the work to be performed under the contract, any or all such unit prices which may be considered fair or reasonable.

The above bid includes all applicable State and Municipal Sales and Use Taxes on materials, and State and Municipal Excise Taxes and all other State and Federal Taxes that would affect the amount of the bid. (See Instructions to Bidders-SD Sales and Use Tax Information for Public Contracts.)

In addition, any material furnished by the State for use in this project is subject to Use Tax and Excise Tax. The total taxable value of materials furnished by the State for this project is \$ _____ 0 _____ .

A Performance and Payment Bond as required by General Conditions will not be required on contracts which do not exceed Fifty Thousand Dollars (\$50,000). (See SDCL 5-21-1.1 as amended).

If discrepancies remain at the time of substantial completion, a value will be assigned to each of the discrepancies and two (2) times their estimated value will be retained from payment to the contractor until completed and accepted. (See SDCL 5-18-13 as amended).

Within ten (10) days after Contractor's receipt of the Agreement for Construction, the Contractor shall submit to the Office of the State Engineer, the executed Agreement for Construction, Performance and Payment Bond, Certificates of Insurance and Affirmative Action Plan (if applicable).

Work shall be commenced within ten (10) consecutive calendar days after written Notice to Proceed by the State Engineer. Phase I work shall be substantially completed and ready for final clearance on or before September 18, 2015. Other work, including Alternate #1 (if selected), shall be substantially completed and ready for field clearance on or before August 19, 2016.

The undersigned acknowledges receipt of the following addenda to the drawings and/or specifications (give number and date of each):

Addenda Nos. _____ dated _____ respectively.

The undersigned acknowledges that they have read and understand the Asbestos-Containing Materials Statement contained in the project manual.

Accompanying this proposal is a certified check, cashier's check or draft in the amount of 5% of the base bid and all add alternates, and drawn on a State or National Bank in the amount of \$ _____ or a 10% bid bond issued by a surety authorized to do business in the State of South Dakota, in the amount of \$ _____. *(Not applicable if Bid is under \$50,000.)*

In submitting this bid, it is understood that the right is reserved by the Owner to reject any and all bids and to waive any irregularities. It is further understood by the Bidder that he may not withdraw his Bid within 30 days after the actual opening thereof.

In submitting this bid, bidder asserts it has reviewed all provisions of the General Conditions including the provision for assessment of liquidated delay damages found in Article 10 of the General Conditions. Bidder agrees that the damages anticipated by the Owner in the event of delay in completion of the project are uncertain in amount and difficult to prove; the amount stipulated in Article III of the Agreement for Construction is a reasonable amount in light of the anticipated loss and injury; and the Owner's actual damages in the event of delay would be impracticable or extremely difficult to fix. Bidder agrees to be bound by the liquidated damages set forth in Article III of the Agreement for Construction. Bidder further agrees that the liquidated amount stipulated in Article III of the Agreement for Construction is not a penalty.

BIDDER: _____ (Type Name of Firm)
BY: _____ (Signature of Firm's Representative)
_____ (Type Name and Title of Firm's Representative)
TELEPHONE NO. _____
FACSIMILE NO. _____
E-MAIL ADDRESS _____
BUSINESS ADDRESS _____ _____
STATE OF INCORPORATION _____

August 4, 2015

Office of the State Engineer
Joe Foss Building
523 East Capitol
Pierre, SD 57501

Attn: Mr. James Kliewer

Subj: Amendment #1 to Limited Asbestos Survey
Chemistry Building
SD School of Mines & Technology
501 E. St. Joseph St
Rapid City, SD
GeoTek #15-438

Dear Mr. Kliewer:

Introduction

This letter presents information on additional bulk sample collection and laboratory analysis recently conducted at the subject property. The letter is an amendment to the Limited Asbestos Survey, GeoTek #15-438, dated June 10, 2015.

Asbestos Survey

A total of 4 bulk samples of suspect materials were collected and submitted for analysis on July 30, 2015 by accredited South Dakota asbestos building inspector Mr. Jerry Zutz. Two samples (#205-206) were collected of 2" black base cove & mastic that appeared to be a different age than most of the 2" black base cove & mastic in the building. Two additional bulk samples (#207-208) were collected of plaster in Room 2228, to supplement sample #129 previously collected. Samples were analyzed by EMC Laboratories, Inc., a National Voluntary Laboratory Accreditation Program (NVLAP) and American Industrial Hygiene Association (AIHA) accredited laboratory. The materials sampled, as well as sample locations, are listed on attached Table 2. The laboratory analysis report is attached. Sample locations are shown on revised Figures 2 and 3.

Asbestos was detected in the two plaster samples, in only the finish coat. Asbestos was not detected in the plaster base coat.

Conclusions

Four (4) samples of suspect building materials were collected and submitted for asbestos content analysis. Asbestos was detected in two samples of plaster in Rm 2228.

Recommendations

We recommend that until the building is demolished or the materials are removed, this asbestos survey data be provided to future contractors or employees working in the building (Note that if known or suspected asbestos building materials remain in a structure, OSHA rules apply to contractors and employees working with asbestos containing materials. Notification of the existence of suspected and confirmed asbestos building materials is required. For employees such as custodial and maintenance workers, an asbestos awareness course is required in buildings with confirmed or presumed asbestos containing materials). Such persons should take appropriate precautions when disturbing or working with the materials.

Should additional suspect materials (friable or non-friable materials not identified by this survey) be encountered, we recommend that either the material be segregated, abated, or demolition in that area cease until the asbestos content of the new material is determined and appropriate measures taken.

Standard of Care

The services performed by GeoTek Engineering & Testing Services, Inc. (GeoTek) on this project have been conducted with that level of care and skill ordinarily exercised by reputable members of the profession, practicing in the same locality under similar budget and time constraints. No other warranty is expressed or implied.

Remarks

We appreciate the opportunity to be of service to you on this project. Please let us know if you have any questions or if we may be of further assistance.

GEOTEK ENGINEERING & TESTING SERVICES, INC.

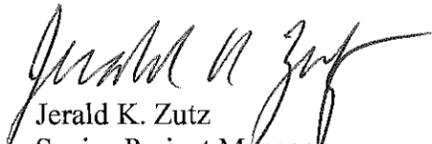

Jerald K. Zutz
Senior Project Manager
SD Asbestos Inspector #6474

Table 2
Recent Bulk Samples

Sample Number	Material	Location	Floor
<u>Sampled July 30, 2015</u>			
205	Base Cove & Mastic, 2" black, newer	Univent, Rm 3303	3
206	Base Cove & Mastic, 2" black, newer	Desk, Rm 3304	3
207 *	Plaster	SW Area, Rm 2228	2
208 *	Plaster	SE Corner, Rm 2228	2

Notes:

* = Samples/Materials in **bold** print and with an asterisk (*) contain asbestos >1%.

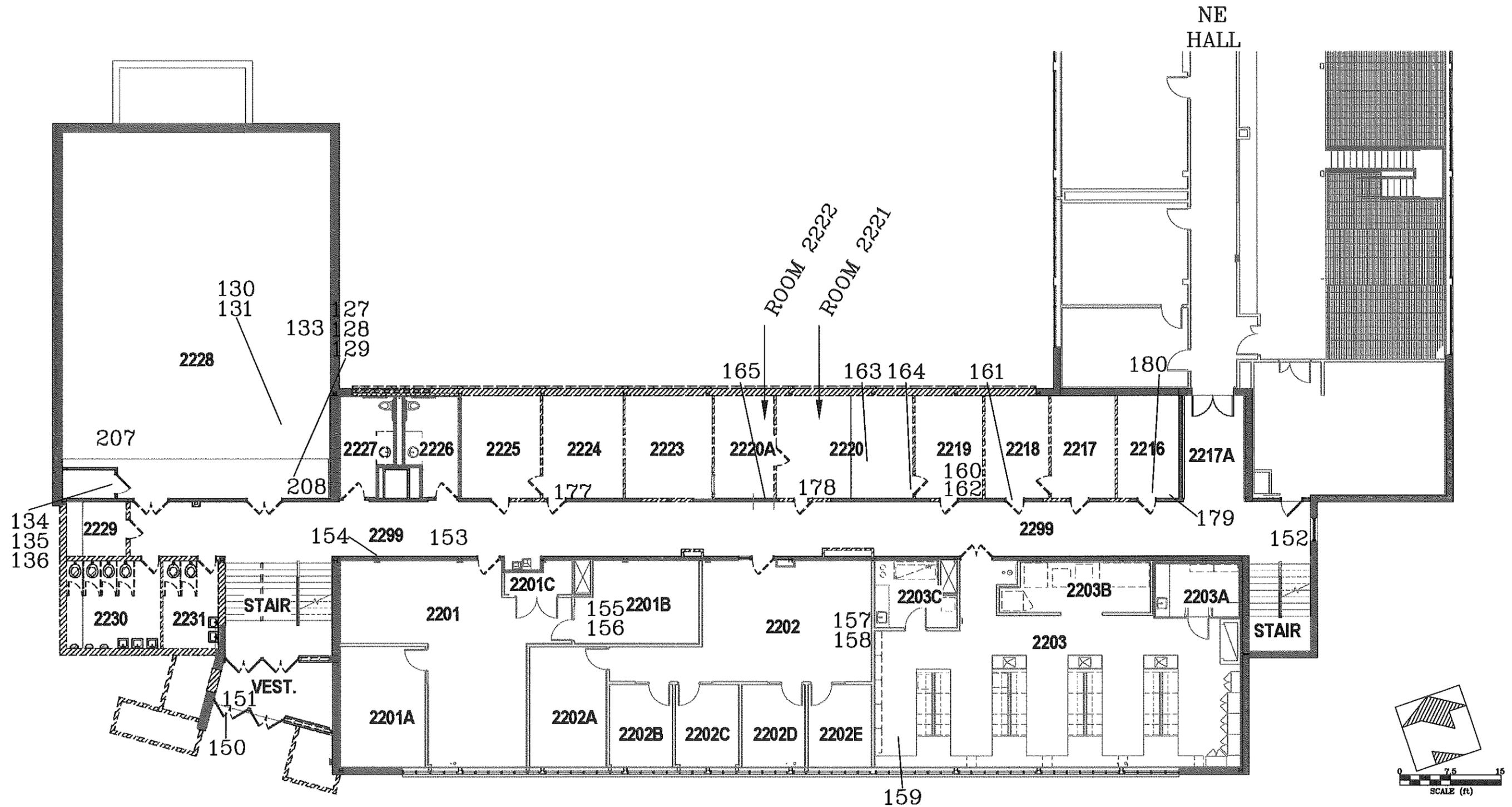


FIGURE 2
 RECENT BULK SAMPLE LOCATIONS (2ND FLOOR)
 CHEMISTRY BUILDING
 SDSM&T
 RAPID CITY, SD

PROJECT #: 15-438

DRAWN BY: CSP

CHECKED BY:

GEOTEK ENGINEERING &
 TESTING SERVICES, INC.

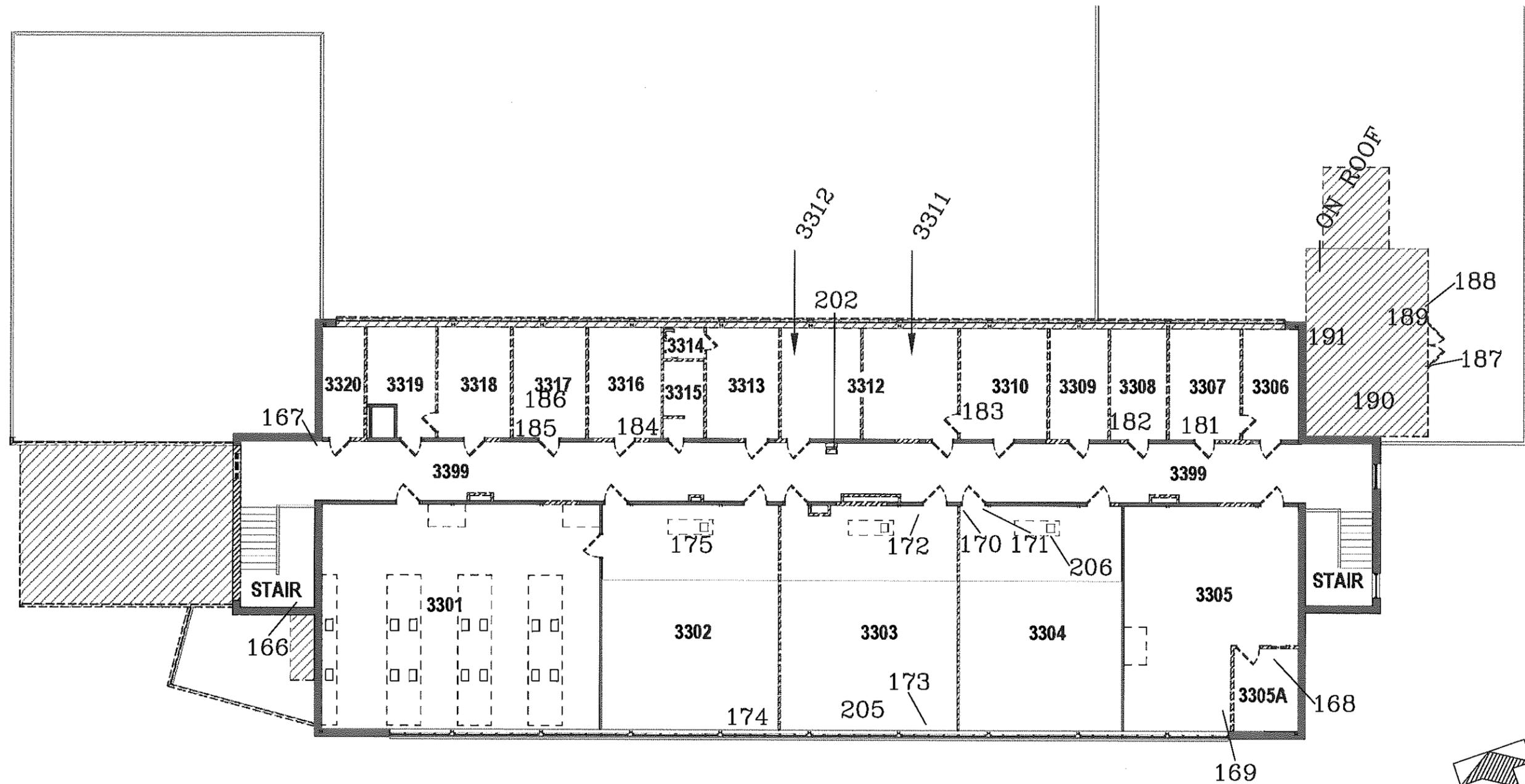


FIGURE 3
 RECENT BULK SAMPLE LOCATIONS (3RD FLOOR)
 CHEMISTRY BUILDING
 SDSM&T
 RAPID CITY, SD

PROJECT #: 15-438

DRAWN BY: CSP

CHECKED BY:

GEOTEK ENGINEERING &
 TESTING SERVICES, INC.

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0158629

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: GEOTEK ENGINEERING Job# / P.O. #: 15-438
Address: 909 E. 50TH STREET NORTH Date Received: 07/31/2015
SIOUX FALLS, SD 57104 Date Analyzed: 08/03/2015
Collected: 07/30/2015 Date Reported: 08/03/2015
Project Name: CHEMISTRY BLDG-SDSM&T, RAPID EPA Method: EPA 600/R-93/116
CITY, SD Submitted By: JERRY ZUTZ
Address: Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0158629-001 205	UNIVENT, RM 3303	LAYER 1 Cove Base, Black	No	None Detected	Carbonates Quartz Binder/Filler 100%
		LAYER 2 Mastic, Yellow	No	None Detected	Cellulose Fiber <1% Carbonates Quartz Binder/Filler 99%
0158629-002 206	DESK, RM 3304	LAYER 1 Cove Base, Black	No	None Detected	Carbonates Quartz Binder/Filler 100%
		LAYER 2 Mastic, Yellow	No	None Detected	Cellulose Fiber 1% Carbonates Quartz Binder/Filler 99%
0158629-003 207	SW AREA, RM 2228	LAYER 1 Plaster-Scratch Coat, Off White/ Gray	No	None Detected	Gypsum Quartz Carbonates Mica 100%
		LAYER 2 Plaster-Finish Coat/ Texture, White/ Off White	Yes	Chrysotile 5%	Carbonates Gypsum Mica Quartz Binder/Filler 95%

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0158629

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: GEOTEK ENGINEERING Job# / P.O. #: 15-438
Address: 909 E. 50TH STREET NORTH Date Received: 07/31/2015
 SIOUX FALLS, SD 57104 Date Analyzed: 08/03/2015
Collected: 07/30/2015 Date Reported: 08/03/2015
Project Name: CHEMISTRY BLDG-SDSM&T, RAPID EPA Method: EPA 600/R-93/116
 CITY, SD Submitted By: JERRY ZUTZ
Address:

Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0158629-004 208	SE CRNR, RM 2228	LAYER 1 Plaster-Scratch Coat, Off White/ Gray	No	None Detected	Gypsum Quartz Carbonates Mica 100%
		LAYER 2 Plaster-Finish Coat/ Texture, White/ Off White	Yes	Chrysotile 5%	Carbonates Gypsum Mica Quartz Binder/Filler 95%



Analyst - Kenneth Scheske



Signatory - Lab Director - Kurt Kettler

Distinctly stratified, easily separable layers of samples are analyzed as subsamples of the whole and are reported separately for each discernible layer. All analyses are derived from calibrated visual estimate and measured in area percent unless otherwise noted. The report applies to the standards or procedures identified and to the sample(s) tested. The test results are not necessarily indicative or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. These reports are for the exclusive use of the addressed client and that they will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written permission. The report shall not be reproduced except in full, without written approval by our laboratory. The samples not destroyed in testing are retained a maximum of thirty days. The laboratory measurement of uncertainty for the test method is approximately less than 1 by area percent. Accredited by the National Institute of Standards and Technology, Voluntary Laboratory Accreditation Program for selected test method for asbestos. The accreditation or any reports generated by this laboratory in no way constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology. The 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. Polarized Light Microscopy may not be consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

Chemistry Building
SDSM&T
Rapid City, SD

GeoTek #15-438

Table 2
Recent Bulk Samples

Sample Number	Material	Location	Floor
<u>Sampled July 30, 2015</u>			
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