

ASBESTOS INSPECTION REPORT

Conducted at:

Building #1803 Fort, Sill, OK 73503

Conducted for:

Prepared By:

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1.0 BACKGROUND:

1.1 has conducted an AHERA asbestos survey for the presence of Asbestos-Containing Materials (ACM) at the following building:

SITE: Building #1803 (constructed 07/01/1939)

COUNTY: Comanche

ADDRESS: Ft. Sill Military Reservation

INVESTIGATOR/INSPECTOR:

SITE VISIT DATE(s): 11-10-2014 through 11-13-2014

REPORT DATE: 12-09-2014

REVISION DATE: N/A

1.2 Field Procedures and Analysis Methodology:

Guidelines used for the inspection were established by the Environmental Protection Agency (EPA) in the Guidance for Controlling Asbestos-Containing Materials in Buildings, Office of the Pesticides and Toxic Substances, DOC #560/5-85-024 and 40 CFR Part 763, Asbestos Hazard Emergency Response Act (AHERA), OSHA, Sampling Methods, Fort Sill, AR 200-1, ODOL, DEQ.

Field information was organized as per the AHERA concept of Homogeneous Area (HA). A HA is defined as a suspect material of similar age, appearance, function and texture. Each material was grouped together as a specific HA, sampled and then assessed for condition.

Laboratory asbestos identification was conducted under EPA Method 600/R-93/116. Laboratory accreditation was certified through the National Voluntary Laboratory Accreditation Program (NVLAP).

2.0 SCOPE OF WORK:

Entire building, including interior and exterior, was inspected using guidance from 40 CFR Part 763 (AHERA), EPA and OSHA Standards for ACM inspection. The inspection was characterized by a close visual inspection of all accessible areas. Suspect materials were sampled and inventoried for quantity, condition and friability, areas, location, type, condition, potential for disturbance and rate potential.

2.1 Materials examined included:

Surfacing: Wall / Ceiling Texturing Thermal System Insulation: Wall / Ceiling Texturing Pipe & Ducting Insulation

Miscellaneous: Blown-In Insulation, Magnesite Flooring, Floor

Tile, Ceiling Tile, Plaster & Gyp Wall Systems, Cove Base, Stair Tread, Transite, Batting

Insulation, Roofing Material and Mastics

3.0 SUMMARY OF FILE SEARCH:

The following is a listing of our findings:

3.1 Use of past survey records, if any: N/A3.2 Past abatement records, if any: N/A

4.0 SUMMARY OF INSPECTION RESULTS:

The initial asbestos inspection was conducted on 11-10-2014 through 11-13-2014, which involved a thorough visual examination of all accessible areas and sampling of suspect material.

4.1 Building components, which have been determined to contain an asbestos presence greater than 1% by either analysis from or by PACM classification, are listed as the following:

HA-11 – 9x9" Floor Tile (Gray w/ Streaks) & Mastic (Black)

HA-12 – 9x9" Floor Tile (Beige w/ Maroon and Gray Streaks) & Mastic (Black)

HA-27 – Piping Insulation (Runs - White)

HA-29b – Adhesive (Brown) behind 1x1' Ceiling Tile (White w/ Uniform Holes)

HA-31 – Transite Flue (Gray)

4.2 Analyses from determined the samples collected from the following materials to contain less than or equal to one percent (≤1%) asbestos:

NONE

5.0 ASBESTOS QUANTITY SCHEDULE:

Approximate asbestos quantity schedules are presented on the following table:

HOMOGENEOUS AREA ID#	DESCRIPTION	% ASBESTOS	FRIABLE F/NF	CONDITION (GOOD, DAMAGED, SIGNIFICANTLY DAMAGED)	EXPOSURE POTENTIAL (LOW, MED, HIGH)	QUANTITY	LOCATION # (Functional Spaces)
HA-11a	9x9" Floor Tile	10% Chrysotile	NF	Good	Low		
HA-11b	Black Mastic	8% Chrysotile	NF	Good	Low	45 ft ²	110
HA-12a	9x9" Floor Tile	7% Chrysotile	NF	Good	Low	_	
HA-12b	Black Mastic	4% Chrysotile	NF	Good	Low	115 ft ²	112
		25% Chrysotile					
HA-27	Pipe Run Insulation	10% Amosite	F	Good	Low	20 ft	111
HA-29b	Brown Mastic	3% Chrysotile	NF	Good	Low	500 ft ²	206
HA-31	Transite Piping	PACM	NF	Good	Low	30 ft	Attic, 1 st & 2 nd Floors

6.0 CONCLUSIONS AND RECOMMENDATIONS:

6.1 Recommendations:

It is recommended that all ACBM be maintained in place.

6.2 Hazards and Response Actions:

HOMOGENEOUS	MATERIAL	FUNCTIONAL	RESPONSE ACTION	COST ESTIMATE
AREA ID#		SPACE ID#	(SSSD, ABATE, NONE)	(RESPONSE ACTION)
NONE	N/A	N/A	N/A	N/A

6.3 Summarizing samples and assessment results:

Thirty-five (35) homogeneous areas were observed. Representative samples were extracted from thirty (30) homogeneous areas. Analytical results identified asbestos within the matrix. Assessment concluded with a low potential for exposure at this time. ACM TSI must be removed under OSHA 29CFR 1926.1101 Class I asbestos work prior to renovation or demolition procedures. ACM transite piping must be removed under OSHA 29CFR 1926.1101 Class II asbestos work prior to renovation or demolition procedures. ACM floor tiles and mastics must be removed under OSHA 29CFR 1926.1101 Class II asbestos work prior to renovation procedures but may be left in place during demolition procedures except for areas where ACM floor tile and mastic exist on the concrete pad and the pad is to be recycled. Periodic Surveillances should be conducted on a regularly scheduled basis to determine change in condition and/or response action.

6.4 Cost estimates for abatement and O&M activities:

Thermal System Insulation - \$1,500.00
Floor Tile & Mastics - \$1,500.00
Ceiling Tile Adhesive - \$1,500.00
Transite Piping - \$1,500.00
O&M Activities - \$1,500 per day as needed to maintain building.

7.0 AREAS NOT ACCESSIBLE:

Inaccessible areas may require further inspection of ACBM when become accessible.

Wet walls behind sinks, toilets, etc.

8.0 REPORT CERTIFICATIONS:

certifies that the information contained herein is based on the physical and visual inspections conducted by and data collected during the inspection survey and file review.

Date

Appendix A

9.0 ANALYTICAL RESULTS AND CHAINS OF CUSTODY

			Project Location: Fo	Fort Sill, OK
Sample Number	Sample Media	Analysis Requested	Preservation Requirements: (5-Day TAT) - Descriptions & Commentary	(Positive Stop on All Samples) - 400 pt Count
D1-0¢	Bulk-Mise.	PLM - Asbestos	25.2 Caling T. 4. 40 Kel 2 Mars Outs	П
Di-93	#	e e	1 24 25 1 70 11 12	T
03-03			1 Pets 1 Order 1 Const. 1	
03-01	6	F. K	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
03-03	46 44	2	4 6 4 4 4 4	
04-01	10 000	- 17	2 2 2 2	
04-03	40 40	76. 16		Delivered By:
95.01		14. 14.	3 = 7,7,7	
05-03		1	** ** **	Data.
00-00	75.		* **	R
06.03	11		7 F I I I I	<u> </u>
10-10			4 The thirty of	Date: Time
01-03		4	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
10-30	for	e e		Delivered By:
20-30	*		N 10 10 10 10 10 10	
01.01	£.	F F	BAD Flatter Lead A. B. S. L. J.	Data
04-03	7	94		R
10-01	W 16	Ŧ	The Marie Matter Sail 3	
£0-01	. 17	÷	17 17 17 17 17 17	Date: Times
11-01	n 8	40	Right " Gray "Light & Orch Stock	

Received By: 243945 Delivered By: Received By: Time: 11-13-14 Fort Sill - Building # 1803 Fort Sill, OK Date Sampled: 2212 Accepte Tile & Atherive - teloph Not & Deen P.A. Preservation Requirements: (5-Day TAT) Descriptions & Commentary Project Name and Number: Project Location: CHAIN OF CUSTODY Plate Analysis Requested PLM - Asbestos Sample Media Sampled By: Sample Number 20-02 31-02 18-03 30.00 10-10 10-11 (O-C) 19.03 3.00 45.00 10-31 19-01 40-F 16-61 15.00 10-61 10.00 (3.22 13.0 000

		CHA	CHAIN OF CUSTODY Project Name and Number:	Fort Sill - Building # [2,03
			Project Location:	
			Preservation Requirements: (5-Day TAT) -	VTAT) - (Positive Step on All Samples) 400 pt i
Sample Number	Sample Media	Analysis Requested	Descriptions & Commentary	*
33.01	Buk Sakain	PLM - Asbestos	Texture-Brande Stile	
33.02		T a	74 N. 11.	
33.03	d z	7, 7	4 4 4	
40.00	1 1	7	74 74 74	
89.05	2		14 11 14	
33.06	N N	4 4	7 4	
32.00		4	7, 4, 41	
23.01	r r	# #	" Keck Dec.	Delivered By:
23.04	44		7	
23-03	e e	3	£ £	Date: Time:
23-04	2	4 4	i .	8
23.05	× .,	4 4	s = ==================================	
24-01	14		" RALLO (Sk.)	Date:
24-02		3	2 5	
24.03	46. 41.	4 4	10 No 10 No	Delivered By:
35.01	Bulk-Miss	9	Rosin Makerel- Despet Street	
25-02	14 B	17 19		Doto
10.90		1 1	- C + 1-11	S.
26.02	10 10	1	, ,	
10-06	Bulk. 751	n n	Pine backhan Bare all L	Data
33-00	14 14	n 0	2 -	

Shashe	Fort Sill - Building # 1803 4 of 1	rt Sill, OK	PURY IAI) - (FORSTANE SIEGE ON All Survives) - 400 Dt Count								Delivered By:	Date: Time:	2	Date: Time:	Delicored But	Date	æ	Date; Time;	Date Convolate
6	CHAIN OF CUSTODY Project Name and Number:	Project Location:	Descriptions & Commodes	Pine leadeline 2 Likely	Por til a 3 /act	CHILL COLUMN	3 3 3	Razio anna Ti Vastania Ed. M. D. ade.	th 11 11 11 11	Attic back from Bearing	3 3 ±								
	CHAI		Analysis Requested	PLM - Asbestos		14	d A	14	3	11 5	49 255								
			Sample Media	Bulk-TSI			45 45	Butter Mise.	26 10		77 74								
IJ			Sample Number	37-03	95.04	25-02	28-03	39.0)	29-03	30-01	30-03								Sampled By:

Project: Fort Sill - Building #1803

Project Location: Fort Sill, OK Project Number: N/A

	Client Sample ID	Composition	Color / Description	Ashestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
001	01-01	Homogeneous	White	Ashestos Not Present	Cellulose	35	Perlite
			Ceiling Tile		Glass Fiber	25	Paint
002	01-02	Homogeneous	White	Asbestos Not Present	Cellulose	35	Perlite
			Ceiling Tile		Glass Fiber	25	Paint
003	02-01	Homogeneous	White	Asbestos Not Present	Cellulose	30	Perlite
			Ceiling Tile		Glass Fiber	30	Paint
004	02-02	Homogeneous	White	Asbestos Not Present	Cellulose	30	Perlite
			Ceiling Tile		Glass Fiber	30	Paint
005	03-01	Homogeneous	White	Asbestos Not Present	Cellulose	35	Perlite
		.50	Ceiling Tile		Glass Fiber	25	Paint
006	03-02	Homogeneous	White	Asbestos Not Present	Cellulose	35	Perlite
		.5.	Ceiling Tile		Glass Fiber	25	Paint
007	04-01	Homogeneous	White	Asbestos Not Present	Cellulose	40	Perlite
	2741		Ceiling Tile		Glass Fiber	20	Paint

Untess otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Project: Fort Sill - Building #1803

Project Location: Fort Sill, OK Project Number: N/A

	Client Sample ID	Composition	Color / Description	Ashestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
008	04-02	Homogeneous	White	Asbestos Not Present	Cellulose	40	Perlite
			Ceiling Tile		Glass Fiber	20	Paint
009	05-01	Homogeneous	White	Asbestos Not Present	Cellulose	30	Perlite
			Ceiling Tile		Glass Fiber	30	Paint
010	05-02	Homogeneous	White	Asbestos Not Present	Cellulose	30	Perlite
			Ceiling Tile		Glass Fiber	30	Paint
011	06-01	Homogeneous	White	Asbestos Not Present	Cellulose	40	Perlite
			Ceiling Tile		Glass Fiber	20	Paint
012	06-02	Homogeneous	White	Asbestos Not Present	Cellulose	40	Perlite
		4,50,	Ceiling Tile		Glass Fiber	20	Paint
013	07-01	Homogeneous	White	Asbestos Not Present	Cellulose		Perlite
			Ceiling Tile		Glass Fiber	30	Paint
014	07-02	Homogeneous	White	Asbestos Not Present	Cellulose		Perlite
		454	Ceiling Tile		Glass Fiber	20	Paint

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Project: Fort Sill - Building #1803

Project Location: Fort Sill, OK Project Number: N/A

	Client Sample ID	Composition	Color / Description	Ashestos (%)	Non-Asbestos Piber (%)	Non Fibrous
015	08-01	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 2 Glass Fiber 3	
016	08-02	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 2 Glass Fiber 3	
017	09-01	Layered	Cream Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
017a		Layered	Yellow Mastic	Asbestos Not Present	NA.	Glue
018	09-02	Layered	Cream Floor Tile	Asbestos Not Present	NA.	Vinyl CaCO3
018a		Layered	Yellow Mastic	Asbestos Not Present	NA.	Glue
019	10-01	Layered	Maroon Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3

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Project: Fort Sill - Building #1803

Project Location: Fort Sill, OK

Project Number: N/A

	Client Sample ID	Composition	Color / Description	Ashestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019a		Layered	Yellow Mastic	Ashestos Not Present	NA	Glue
020	10-02	Layered	Maroon Floor Tile	Asbesios Not Present	NA	Vinyl CaCO3
020a		Layered	Yellow Mastic	Asbesios Not Present	NA	Glue
021	11-01	Layered	Gray Floor Tile	Asbestos Present Chrysotile 10	NA	Vinyl CaCO3
021a		Layered	Black Mastic	Asbestos Present. Chrysotile 8	NA	Tar
022	11-02	Layered	++ Floor Tile	•	Not Analyzed	
Positive Stop						
022a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						

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Project: Fort Sill - Building #1803

Project Location: Fort Sill, OK

Project Number: N/A

	Client Sample ID	Composition	Color / Description	Ashestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023	12-01	Layered	Beige Floor Tile	Asbestos Present Chrysotile 7	NA	Vinyl CaCO3
023a		Layered	Black Mastic	Asbestos Present Chrysotile 4	NA	Tar
024	12-02	Layered	++ Floor Tile	•	Not Analyzed	
Positive Stop						
024a		Layered	Mastic	••	Not Analyzed	
Positive Stop						
025	13-01	Layered	Tan Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
025a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
0256		Layered	White Leveling Compound	Asbestos Not Present	NA	Gypsum

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Project: Fort Sill - Building #1803

Project Location: Fort Sill, OK

Project Number: N/A

	Client Sample ID	Composition	Color / Description	Ashestos (%)	Non-Asbestos Fiber (%)	Non Fibro
026	13-02	Layered	Tan Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
026a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
026Ь		Layered	White Leveling Compound	Asbestos Not Present	NA	Gypsum CaCO3
027	14-01	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose Glass Fiber Synthetic	5 Vinyl 10 Binder
027 a		Layered	Cream Mastic	Asbestos Not Present	NA	Glue
028	14-02	Layered	Beige Sheet Vinyl	Asbestos Not Present	Glass Fiber Synthetic	15 Vinyl 10 Binder
028a		Layered	Cream Mastic	Asbestos Not Present	NA	Glue

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Project: Fort Sill - Building #1803

Project Location: Fort Sill, OK Project Number: N/A

	Client Sample ID	Composition	Color / Description	Ashestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
029	15-01	Homogeneous	Red Brick	Asbestos Not Present	NA	Clay Binder
030	15-02	Homogeneous	Red Brick	Asbestos Not Present	NA	Clay Binder
031	16-01	Layered	Brown Stair Tread	Ashestos Not Present	NA	Vinyl CaCO3 Binder
031a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
032	16-02	Layered	Brown Stair Tread	Asbestos Not Present	NA	Vinyl CaCO3 Binder
032a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
033	17-01	Layered	Black Cove Base	Asbestos Not Present	NA	Vinyl CaCO3

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Project: Fort Sill - Building #1803

Project Location: Fort Sill, OK

Project Number: N/A

	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
033a		Layered	White Mastic	Asbestos Not Present	NA	Glue CaCO3
034	17-02	Layered	Black Cove Base	Asbestos Not Present	NA	Vinyl CaCO3
034a		Layered	White Mastic	Asbestos Not Present	NA	Glue CaCO3
035	18-01	Layered	Brown Cove Base	Asbestos Not Present	NA.	Vinyl Binder
035a		Layered	Yellow Mastic	Asbestos Not Present	NA.	Glue
036	18-02	Layered	Brown Cove Base	Asbestos Not Present	NA.	Vinyl Binder
036a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

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his report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed unitying responses one-out-out and responses. Some memorials. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.

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Project: Fort Sill - Building #1803

Project Location: Fort Sill, OK Project Number: N/A

	Client Sample ID	Composition	Color / Description	Ashestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
037	19-01	Layered	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
037 n		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
038	19-02	Layered	White Ceiling Tile	Asbestos Not Present	Cellulose 25 Glass Fiber 35	100
038a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
039	20-01	Layered	White Joint Compound	Ashestos Not Present	NA	CaCO3
039a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	5 Gypsum
040	20-02	Layered	White Joint Compound	Asbestos Not Present	NA	CaC03

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Project: Fort Sill - Building #1803

Project Location: Fort Sill, OK Project Number: N/A

	Client Sample ID	Composition	Color / Description	Ashestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
040a		Layered	White Sheetrock	Asbestos Not Present	NA		CaCO3 Paint
041	21-01	Layered	White Skim Coat	Asbestos Not Present	Wollastonile	2	CaCO3 Binder Paint
041a		Layered	Tan Plaster	Asbestos Not Present	NA		Quarte Gypsum
042	21-02	Layered	White Skim Coat	Asbestos Not Present	NA		CaCO3 Binder
042a		Layered	Gray Plaster	Asbestos Not Present	NA		Quarte CaCO3 Binder
043	22-01	Homogeneous	White Texture	Asbestos Not Present	NA		CaCO3 Silicone
044	22-02	Homogeneous	White Texture	Asbestos Not Present	NA		CaCO3 Paint

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Project: Fort Sill - Building #1803

Project Location: Fort Sill, OK Project Number: N/A

	Client Sample ID	Composition	Color / Description	Ashestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
045	22-03	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
046	22-04	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
047	22-05	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
048	22-06	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
049	22-07	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Binder Paint
050	23-01	Homogeneous	Tan Texture	Ashestos Not Present	NA	Paint CaCO3
051	23-02	Homogeneous	Tan Texture	Asbestos Not Present	Cellulose	5 Paint CaCO3

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Project: Fort Sill - Building #1803

Project Location: Fort Sill, OK Project Number: N/A

	Client Sample ID	Composition	Color / Description	Ashestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
052	23-03	Homogeneous	Tan Texture	Asbestos Not Present	NA	Paint CaCO3
053	23-04	Homogeneous	Tan Texture	Asbestos Not Present	NA	Paint CaCO3
054	23-05	Homogeneous	Tan Texture	Asbestos Not Present	NA	Paint CaCO3
055	24-01	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
056	24-02	Homogeneous	White Texture	Asbestos Not Present	NA.	CaCO3 Paint
057	24-03	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
058	25-01	Homogeneous	Brown Shingle	Asbestos Not Present	Glass Fiber 2	5 Quartz Tar CaCO3

Unter otherwise noted seven mounts the condition of the sample was acceptable for analysis.

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Project: Fort Sill - Building #1803

Project Location: Fort Sill, OK Project Number: N/A

	Client Sample ID	Composition	Color / Description	Ashestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
059	25-02	Homogeneous	Brown Shingle	Asbestos Not Present	Glass Fiber 25	Guartz Tar CaCO3
060	26-01	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60) Tar
061	26-02	Homogeneous	Black Tar Paper	Asbestos Not Present) Tar
062	27-01	Homogeneous	White Pipe Insulation	Ashestos Present Chrysotile 25 Amosite 10	NA	Gypsum Binder
063	27-02	**	++ Pipe Insulation		Not Analyzed	
Positive Stop						
064	27-03	**	++ Pipe Insulation	••	Not Analyzed	
Positive Stop						
065	28-01	Layered	Silven/Gold Paint	Asbestos Not Present	NA	Paint Tar

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

is report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed unitying expressions one-out-out and expressions. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.

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Project: Fort Sill - Building #1803

Project Location: Fort Sill, OK Project Number: N/A

	Client Sample ID	Composition	Color / Description	Ashestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
065a		Layered	Black Pipe Wrap	Asbesius Not Present		Tar
066	28-02	Layered	Silver Paint	Asbestos Not Present	NA	Paint Tar
066a		Layered	Black Pipe Wrap	Asbestos Not Present	Cellulose 75	Tar
067	28-03	Layered	Silver Paint	Asbestos Not Present	NA	Paint Tar
067a		Layered	Black Pipe Wrap	Ashestos Not Present	Cellulose 75	Tar
068	29-01	Layered	White Floor Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 50	A 1 D 1 U D 1 L
068a		Layered	Brown Mastic	Ashestos Present Chrysotile 3	NA	Glue

e condition of the sample was acceptable for analysis.

This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600 M4-82-020 and EPA/600/K-9-N116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.

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Project: Fort Sill - Building #1803

Project Location: Fort Sill, OK

Project Number: N/A

	Client Sample ID	Composition	Color / Description	Ashestos (%)	Non-Asbestos Piber (%)		Non Fibrous
068b		Layered	Cream Plaster	Asbestos Not Present	NA		Quartz Binder Paint
069	29-02	Layered	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	30 50	Paint Binder
069a		Layered	++ Mastic	-	Not Analyzed		
Positive Stop	9						
070	30-01	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose		Binder
071	30-02	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose		Binder
				11/20/2014			
	5			Date of Report			

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

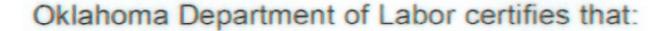
port relates only to the specific items tested. NVLAP accreditation applies only to he approximate annual carried and carried and carried and applies only to the used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.

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Appendix B 10.0 FILE SEARCH DATA (NONE)

Appendix C

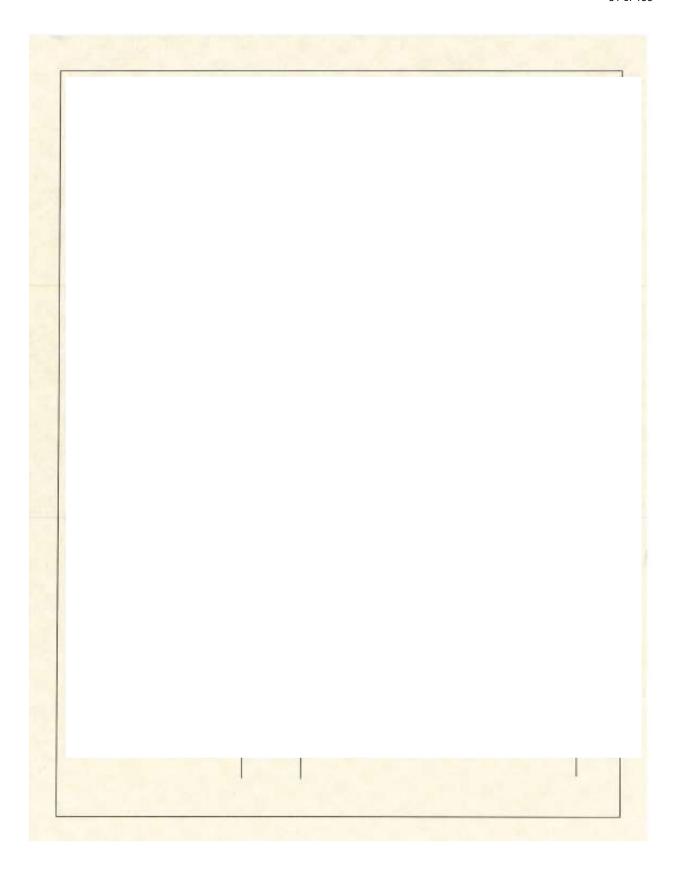
11.0 PERSONNEL LICENSES



Oklahoma Department of Labor certifies that:

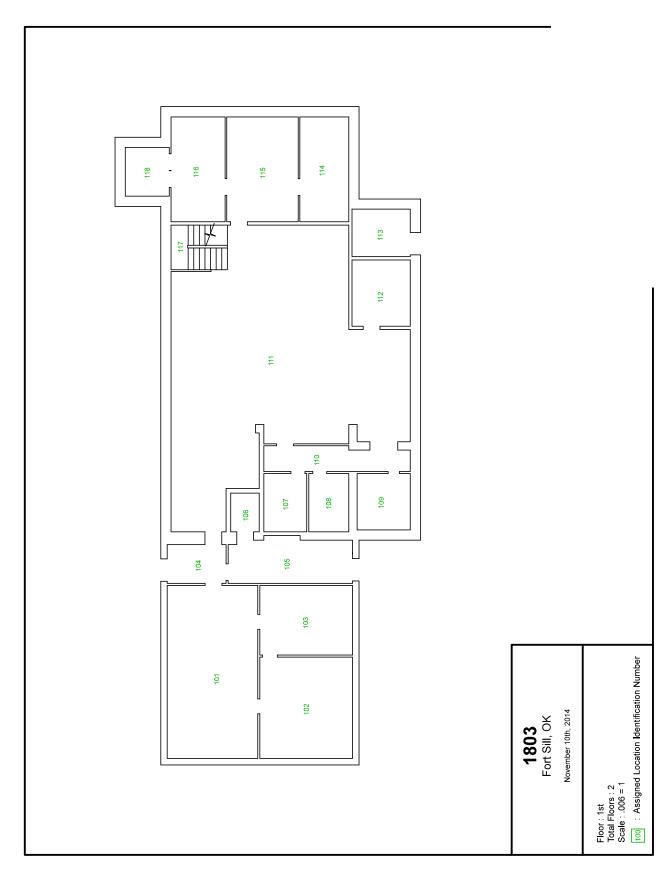
Appendix D

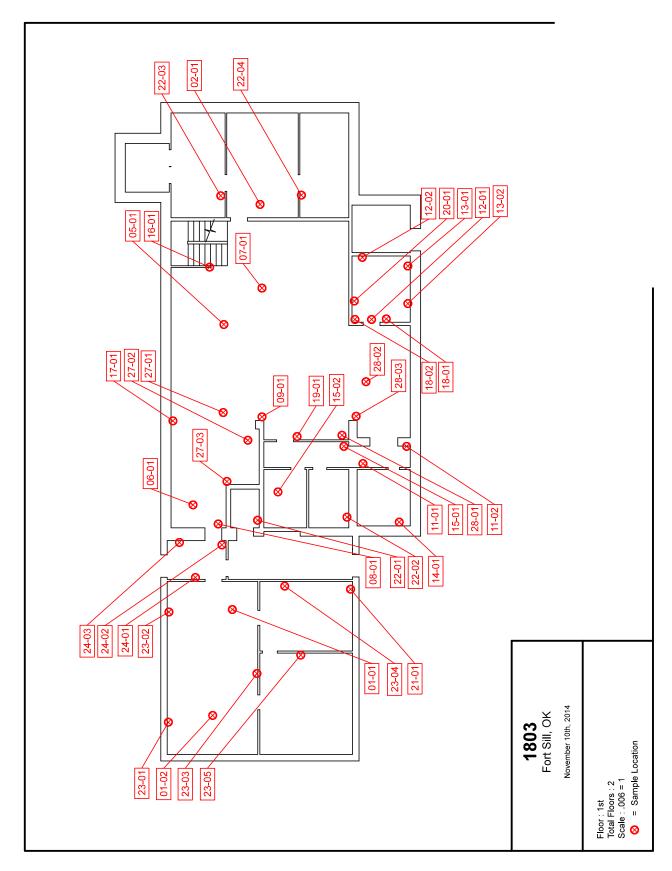
12.0 LABORATORY ACCREDITATIONS

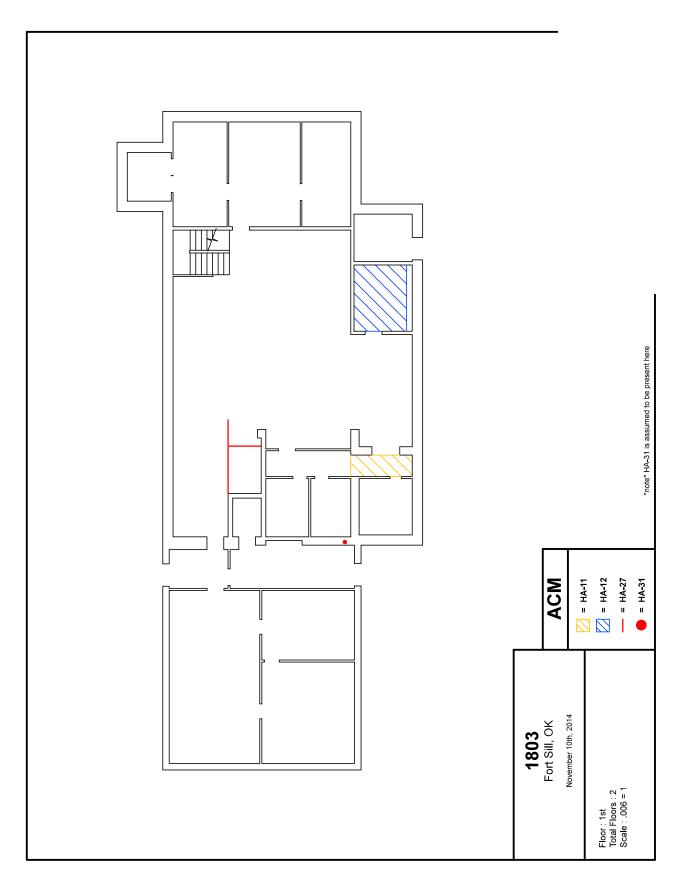


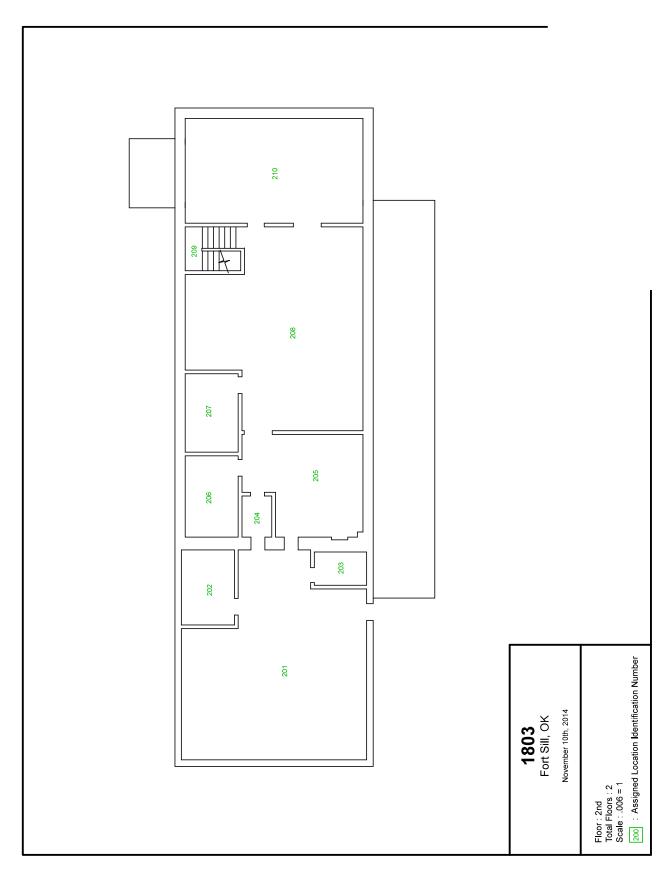
Appendix E

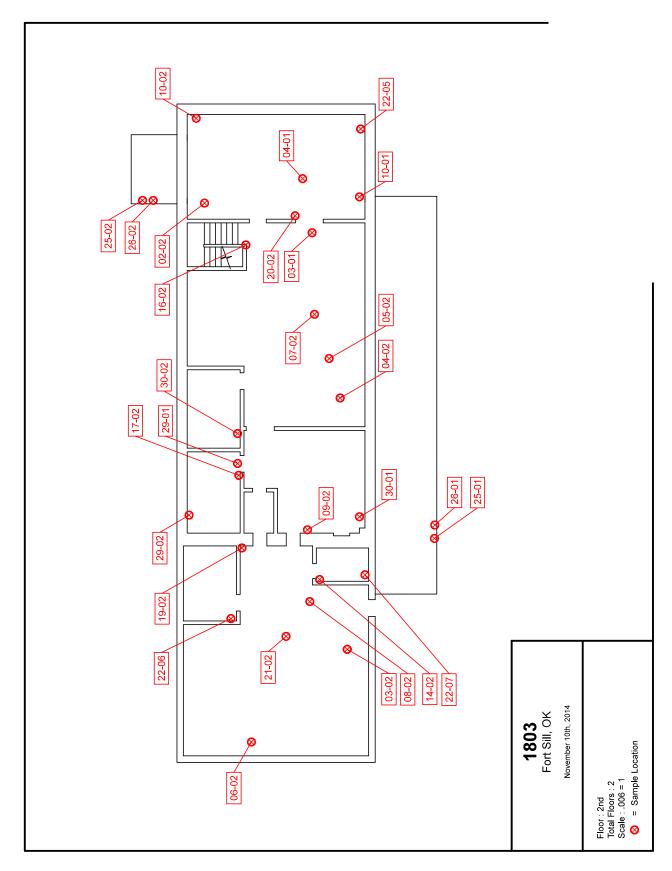
13.0 ACM LOCATION DRAWINGS & PICTURES

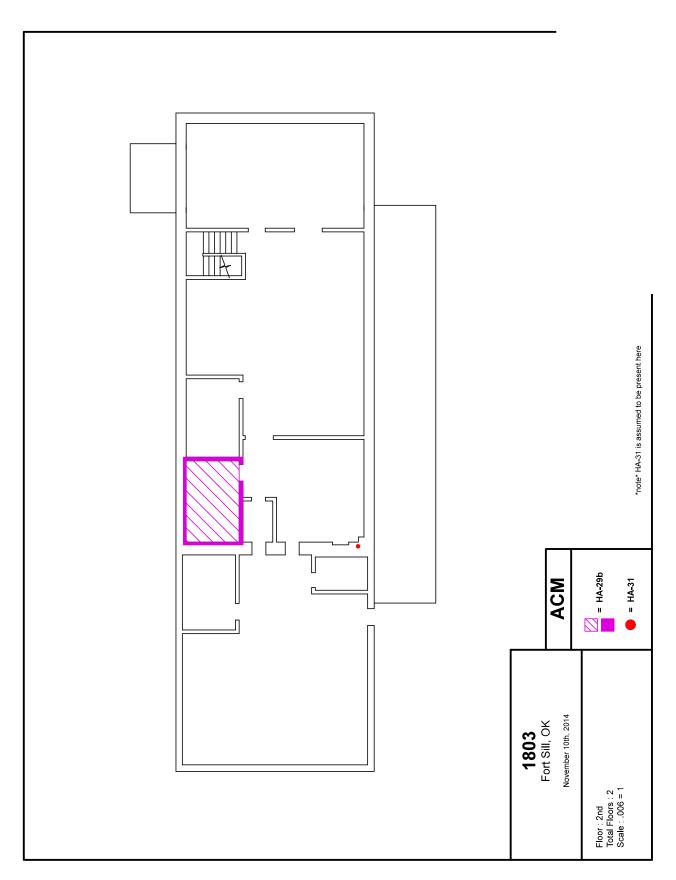


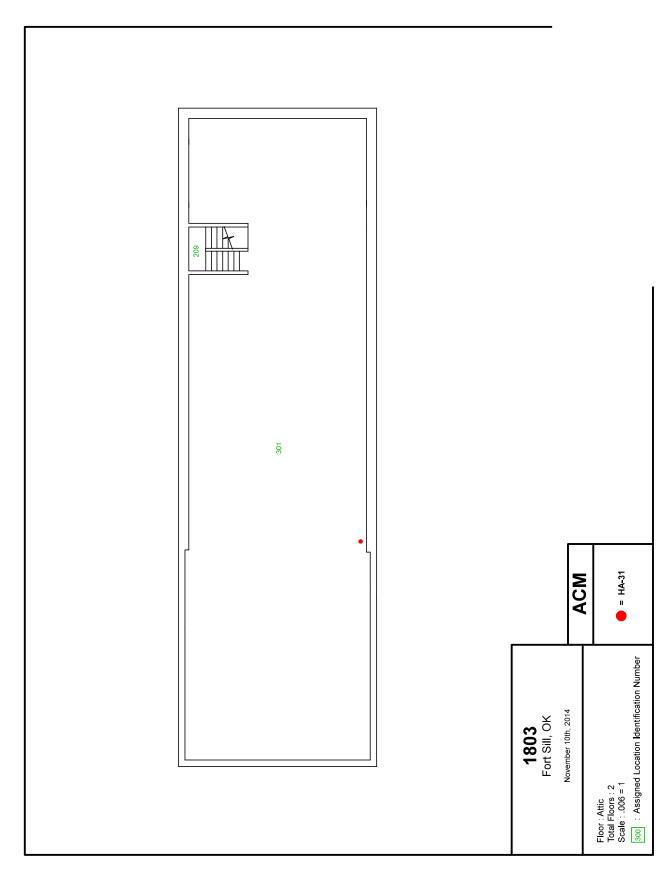














(HA-01) No Asbestos Detected



(HA-02) No Asbestos Detected



(HA-03) No Asbestos Detected



(HA-04) No Asbestos Detected



(HA-05) No Asbestos Detected



(HA-06) No Asbestos Detected



(HA-07) No Asbestos Detected



(HA-08) No Asbestos Detected



(HA-09) No Asbestos Detected



(HA-10) No Asbestos Detected



(HA-11) Asbestos Detected



(HA-12) Asbestos Detected



(HA-13) No Asbestos Detected



(HA-14) No Asbestos Detected



(HA-15) No Asbestos Detected



(HA-16) No Asbestos Detected



(HA-17) No Asbestos Detected



(HA-18) No Asbestos Detected



(HA-19) No Asbestos Detected



(HA-20) No Asbestos Detected



(HA-21) No Asbestos Detected



(HA-22) No Asbestos Detected



(HA-23) No Asbestos Detected



(HA-24) No Asbestos Detected



(HA-25) No Asbestos Detected



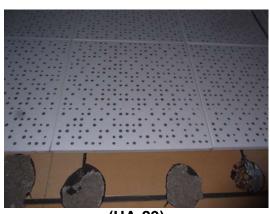
(HA-26) No Asbestos Detected



(HA-27) Asbestos Detected



(HA-28) No Asbestos Detected



(HA-29) Asbestos Detected



(HA-30) No Asbestos Detected



(HA-31)
Transite Flue -PACM-



(HA-32) Black Foam



(HA-33) Jacketed Fiberglass



(HA-34) Jacketed Fiberglass



(HA-35) Fiberglass



ASBESTOS INSPECTION REPORT

Conducted at:

Building #1501
Fort, Sill, OK 73503

Conducted for:

Prepared By:

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1.0 BACKGROUND:

1.1 has conducted an AHERA asbestos survey for the presence of Asbestos-Containing Materials (ACM) at the following building:

SITE: Building #1501 (constructed 07/01/1934)

COUNTY: Comanche

ADDRESS: Ft. Sill Military Reservation

INVESTIGATOR/INSPECTOR:

SITE VISIT DATE(s): 03-11-2014 **REPORT DATE:** 03-19-2014

REVISION DATE: N/A

1.2 Field Procedures and Analysis Methodology:

Guidelines used for the inspection were established by the Environmental Protection Agency (EPA) in the Guidance for Controlling Asbestos-Containing Materials in Buildings, Office of the Pesticides and Toxic Substances, DOC #560/5-85-024 and 40 CFR Part 763, Asbestos Hazard Emergency Response Act (AHERA), OSHA, Sampling Methods, Fort Sill, AR 200-1, ODOL, DEQ.

Field information was organized as per the AHERA concept of Homogeneous Area (HA). A HA is defined as a suspect material of similar age, appearance, function and texture. Each material was grouped together as a specific HA, sampled and then assessed for condition.

Laboratory asbestos identification was conducted under EPA Method 600/R-93/116. Laboratory accreditation was certified through the National Voluntary Laboratory Accreditation Program (NVLAP).

2.0 SCOPE OF WORK:

Entire building, including interior and exterior, was inspected using guidance from 40 CFR Part 763 (AHERA), EPA and OSHA Standards for ACM inspection. The inspection was characterized by a close visual inspection of all accessible areas. Suspect materials were sampled and inventoried for quantity, condition and friability, areas, location, type, condition, potential for disturbance and rate potential.

2.1 Materials examined included:

Surfacing: No surfacing materials were observed

Thermal System Insulation: Pipe insulation

Miscellaneous: Batting Insulation, Window Glaze, and Roofing

Material

3.0 SUMMARY OF FILE SEARCH:

The following is a listing of our findings:

3.1 Use of past survey records, if any: N/A3.2 Past abatement records, if any: N/A

4.0 SUMMARY OF INSPECTION RESULTS:

The initial asbestos inspection was conducted on 03-11-2014, which involved a thorough visual examination of all accessible areas and sampling of suspect material.

4.1 Analyses from confirmed the presence of asbestos in the amount greater than 1% within the samples collected from the following material:

HA-04 – Pipe Run Insulation **HA-05** – Pipe Fitting Insulation

4.2 Analyses from determined the samples collected from the following materials to contain less than or equal to one percent (≤1%) asbestos:

NONE

5.0 ASBESTOS QUANTITY SCHEDULE:

Approximate asbestos quantity schedules are presented on the following table:

HOMOGENEOUS AREA ID#	DESCRIPTION	% ASBESTOS	FRIABLE F/NF	CONDITION (GOOD, DAMAGED, SIGNIFICANTLY DAMAGED)	EXPOSURE POTENTIAL (LOW, MED, HIGH)	QUANTITY	LOCATION # (Functional Spaces)
HA-04	Pipe Run Insulation	75% Chrysotile	F	Damaged	Low	6 ft	Basement Crawlspace
HA-05	Pipe Fitting Insulation	5% Chrysotile 15% Amosite 3% Crocidolite	F	Damaged	Low	2 Fittings	Basement Crawlspace

6.0 CONCLUSIONS AND RECOMMENDATIONS:

6.1 Recommendations:

It is recommended that ACM thermal system insulation (TSI) be maintained in place.

6.2 Hazards and Response Actions:

HOMOGENEOUS	MATERIAL	FUNCTIONAL	RESPONSE ACTION	COST ESTIMATE
AREA ID#		SPACE ID#	(SSSD, ABATE, NONE)	(RESPONSE ACTION)
NONE	N/A	N/A	N/A	N/A

6.3 Summarizing samples and assessment results:

Eight (8) homogeneous areas were observed. Representative samples were extracted from five (5) homogeneous areas. Analytical results identified asbestos within the matrix. Assessment concluded low potential for exposure at this time. ACM TSI must be removed under OSHA 29CFR 1926.1101 Class I asbestos work prior to renovation or demolition procedures. Periodic Surveillances should be conducted on a regularly scheduled basis to determine change in condition and/or response action.

6.4 Cost estimates for abatement and O&M activities:

Thermal System Insulation - \$1,500.00 O&M Activities - \$1,500 per day as needed to maintain building.

7.0 AREAS NOT ACCESSIBLE:

Inaccessible areas may require further inspection of ACBM when become accessible.

NONE

8.0 REPORT CERTIFICATIONS:

certifies that the information contained herein is based on the physical and visual inspections conducted by and data collected during the inspection survey and file review.

Date

13-19-2014

Appendix A

9.0 ANALYTICAL RESULTS AND CHAINS OF CUSTODY

Project Location: Fort Sill. OX Project Name and Number: Fort Sill. OX Project Location: Fort Sill. OX	•				Lab #23,2860
Project Location:			CHAIL	Name and Number:	ing # 1501
Sample Media Analysis Requested Descriptions & Commentary Dulk - TSI C. C. C. C. C. C. C. C. C.					
Sample Media					op on All Samples) - 400 pt Count < 2%
Dulk-Tsi 1	ample Number	Sample Media	Analysis Requested	Descriptions & Commentary	
1, 1, 1,	10-16	Bulk-Mise	PLM - Asbestos	hindow Glaze	
1,	£0-10	31 37		** 13	
Dulk-TSI	02.01			Matoria	
Dulk-TSI (" " Pell Paper (" " " Pell Paper (" " " " " " " " " " " " " " " " " " "	03-03			 	
Dulk_TS1	03-01				
Dulk_TS1	03.02			3.1	
11 12 13 14 15 15 15 15 15 15 15	04-01	Bulk-TSI		Pipe Insulation - Run - Grasish Brown	
	04-03	3		נג נג נג נג	Delivered By:
1,	04-03			3	
pled By: 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	05-01			" Fittias	
pled By: 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	95-02			J 13	Received By:
Date: Date	05-03			11 tr	
Date: Date: 3 - [1, 1]					
Date: Date: 3-11.1					
Date Sampled: 3 - [] . [Delivered By:
Date: Date: 3 - [] - []					
Date Sampled: 3 - [] \					
Date Sampled: 3 - (1) (1)					Received By:
Date Sampled: 3 - (1), (V					
Date Sampled:					
Date Sampled:					
	Sampled By			Date Sampled:	3-11-14

Polarized Light Microscopy Asbestos Analysis Report

Project: Fort Sill-Building #1501

Project Location: Fort Sill, OK

Project Number: N/A

	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	01-01	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
002	01-02	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
003	02-01	Homogeneous	Gray Shingle	Asbestos Not Present	Glass Fiber 2	0 Quartz Tar
004	02-02	Homogeneous	Gray Shingle	Asbestos Not Present	Glass Fiber 2	0 Quartz Tar
005	03-01	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 6	0 Tar
006	03-02	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 6	0 Tar
007	04-01	Layered	White Pipe Insulation	Asbestos Present Chrysotile 75	Cellulose 1	5 Binder

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

is report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.

Page 1 of 3

Polarized Light Microscopy Asbestos Analysis Report

Project: Fort Sill-Building #1501

Project Location: Fort Sill, OK

Project Number: N/A

	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007a		Layered	Gray Pipe Insulation	Asbestos Not Present	Cellulose 90	Binder
008	04-02	Layered	** Pipe Insulation	**	Not Analyzed	
Positive Stop						
008a		Layered	Gray Pipe Insulation	Asbestos Present Chrysotile 8	Cellulose 85	Binder
009	04-03	Layered	** Pipe Insulation	*6.	Not Analyzed	
Positive Stop						
009a		Layered	** Pipe Insulation	**	Not Analyzed	
Positive Stop						
010	05-01	Homogeneous	White Insulation	Asbestos Present Chrysotile 5 Amosite 15 Crocidolite 3	Cellulose <1	Gypsum
011	05-02	Homogeneous	** Insulation	**	Not Analyzed	

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.

Page 2 of 3

Polarized Light Microscopy Asbestos Analysis Report

Project: Fort Sill- Building #1501

Project Location: Fort Sill, OK Project Number: N/A

	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
Positive Stop						
012	05-03	Homogeneous	**	**	Not Analyzed	
			Insulation			
Positive Stop						
				3/18/2014 Date of Report		W

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

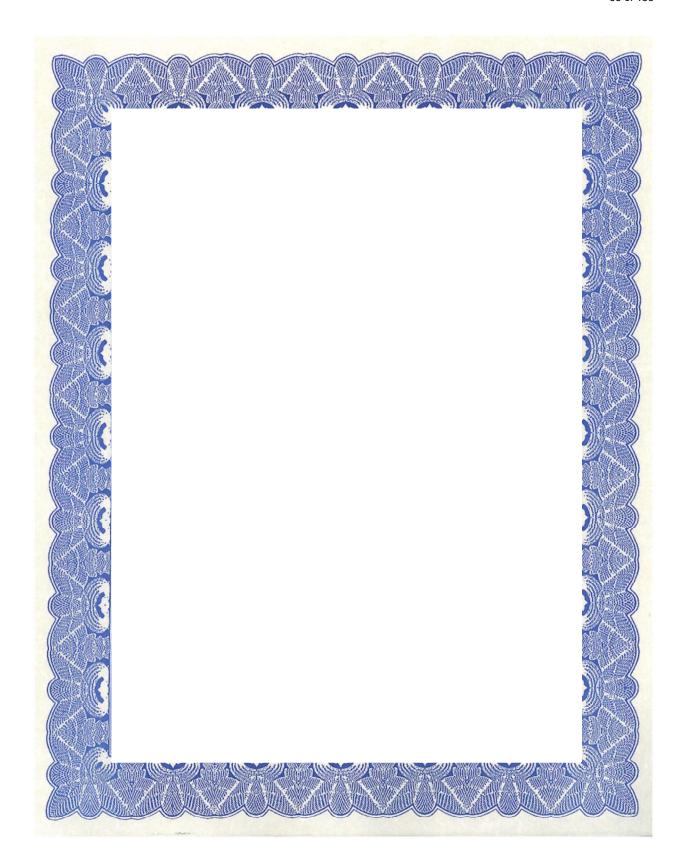
eport relates only to the specific items tested. NVLAP accreditation applies only to analysis performed unitying cravouo/ra4-62-020 and erazouo/ra-93/110 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.

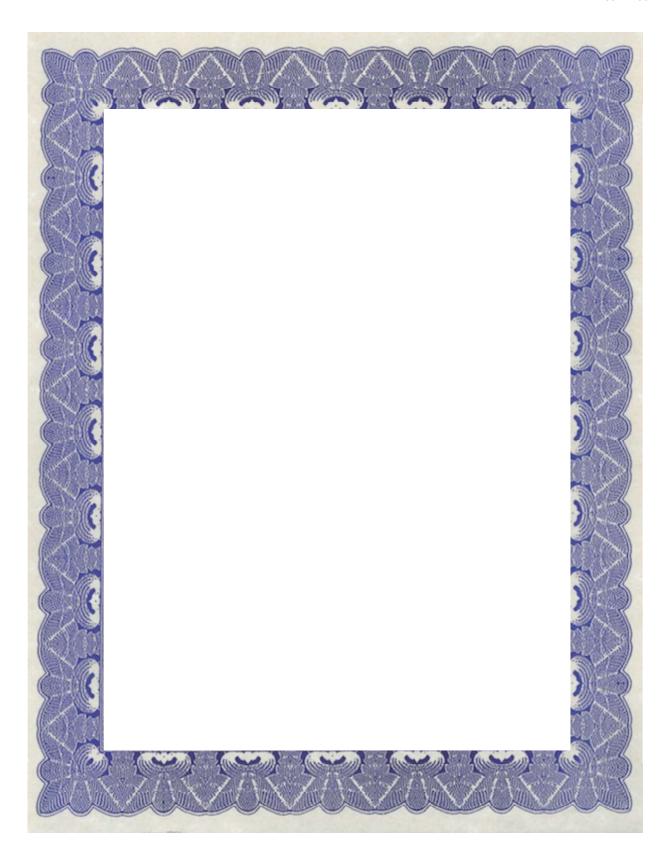
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Appendix B 10.0 FILE SEARCH DATA (NONE)

Appendix C

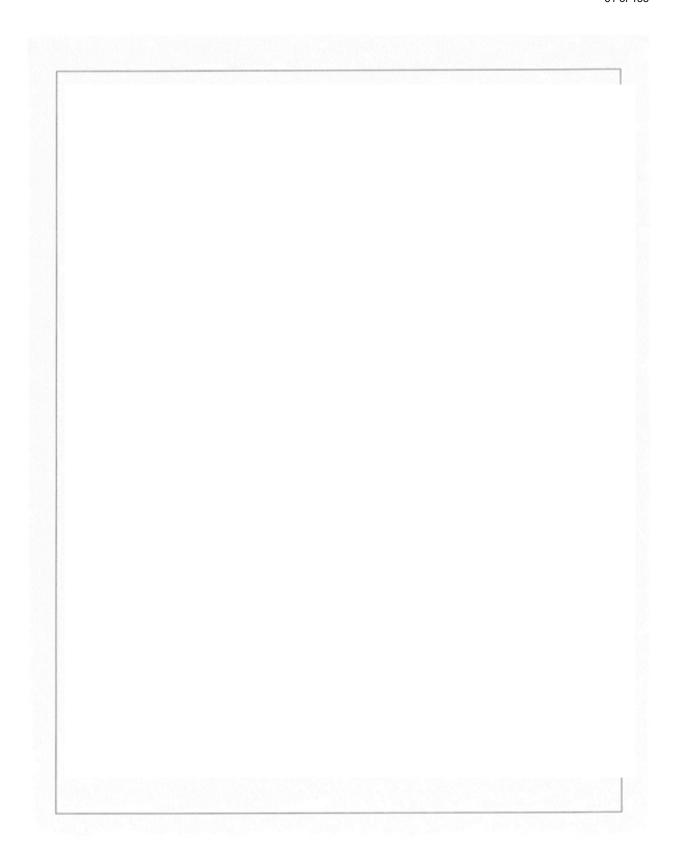
11.0 PERSONNEL LICENSES





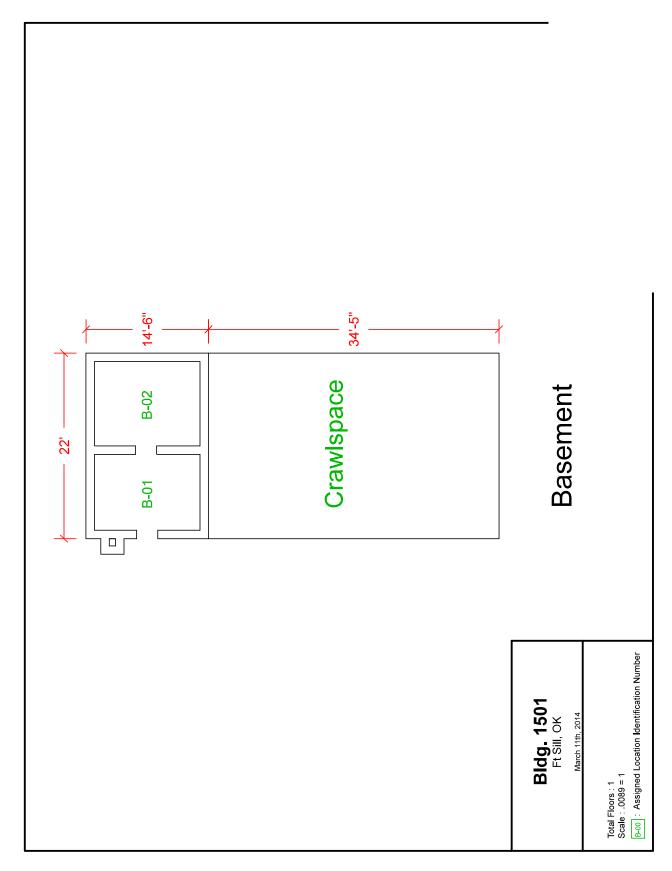
Appendix D

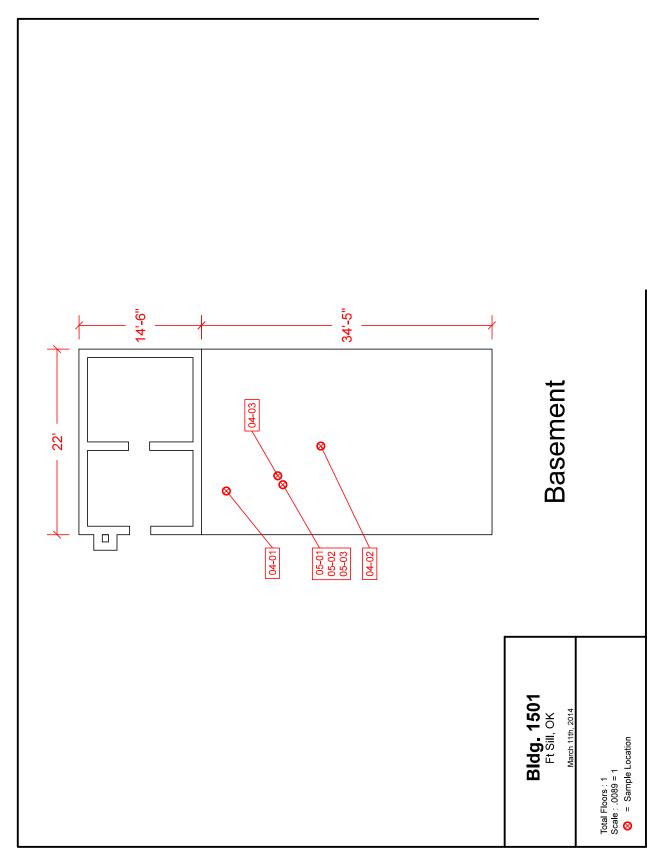
12.0 LABORATORY ACCREDITATIONS

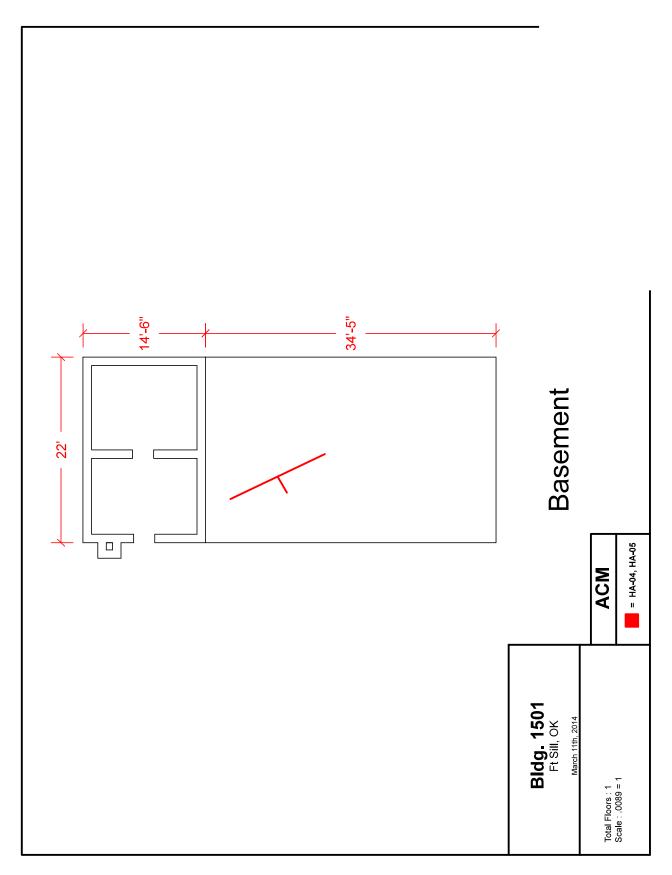


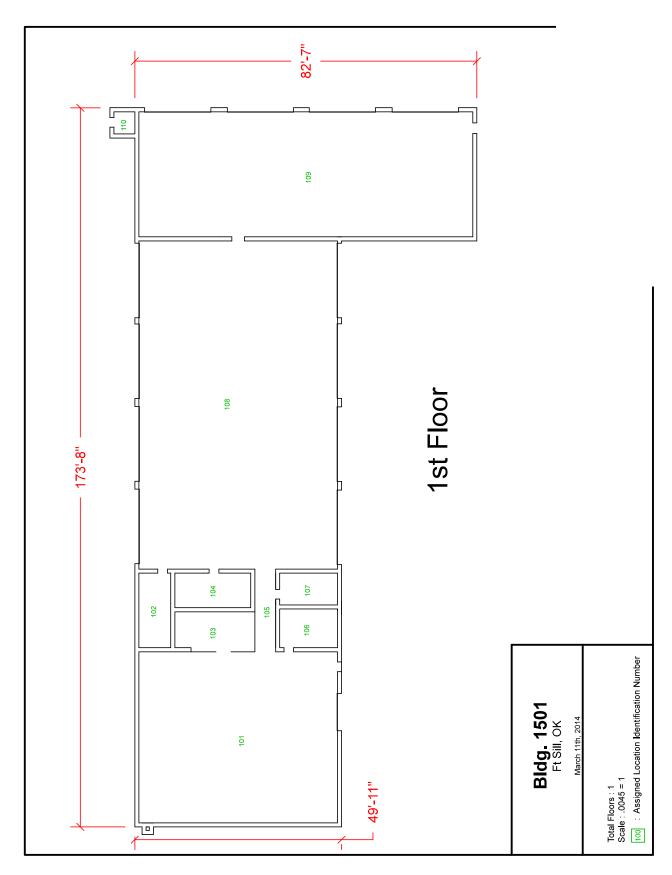
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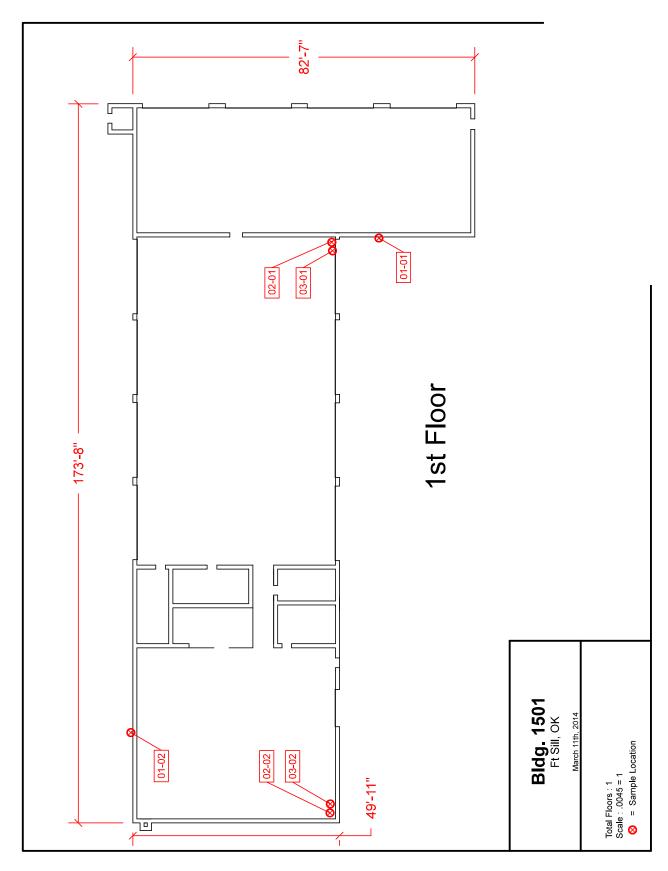
13.0 ACM LOCATION DRAWINGS & PICTURES

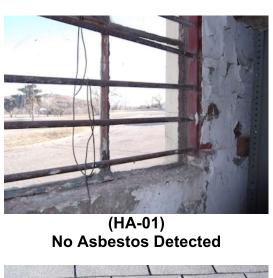














(HA-03) No Asbestos Detected



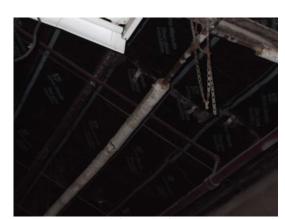
(HA-05) Asbestos Detected



(HA-02) No Asbestos Detected



(HA-04) Asbestos Detected



(HA-06) Fiberglass



(HA-07) Fiberglass



(HA-08) Fiberglass



ASBESTOS INSPECTION REPORT

Conducted at:

Building #1502 Fort, Sill, OK 73503

Conducted for:

Prepared By:

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1.0 BACKGROUND:

1.1 has conducted an AHERA asbestos survey for the presence of Asbestos-Containing Materials (ACM) at the following building:

SITE: Building #1502 (constructed 07/01/1934)

COUNTY: Comanche

ADDRESS: Ft. Sill Military Reservation

INVESTIGATOR/INSPECTOR:

SITE VISIT DATE(s): 03-11-2014 **REPORT DATE:** 03-19-2014

REVISION DATE: N/A

1.2 Field Procedures and Analysis Methodology:

Guidelines used for the inspection were established by the Environmental Protection Agency (EPA) in the Guidance for Controlling Asbestos-Containing Materials in Buildings, Office of the Pesticides and Toxic Substances, DOC #560/5-85-024 and 40 CFR Part 763, Asbestos Hazard Emergency Response Act (AHERA), OSHA, Sampling Methods, Fort Sill, AR 200-1, ODOL, DEQ.

Field information was organized as per the AHERA concept of Homogeneous Area (HA). A HA is defined as a suspect material of similar age, appearance, function and texture. Each material was grouped together as a specific HA, sampled and then assessed for condition.

Laboratory asbestos identification was conducted under EPA Method 600/R-93/116. Laboratory accreditation was certified through the National Voluntary Laboratory Accreditation Program (NVLAP).

2.0 SCOPE OF WORK:

Entire building, including interior and exterior, was inspected using guidance from 40 CFR Part 763 (AHERA), EPA and OSHA Standards for ACM inspection. The inspection was characterized by a close visual inspection of all accessible areas. Suspect materials were sampled and inventoried for quantity, condition and friability, areas, location, type, condition, potential for disturbance and rate potential.

2.1 Materials examined included:

Surfacing: No surfacing materials were observed

Thermal System Insulation: Pipe Insulation

Miscellaneous: Debris, Batting Insulation, Window Glaze, and

Roofing Material

3.0 SUMMARY OF FILE SEARCH:

The following is a listing of our findings:

3.1 Use of past survey records, if any: N/A3.2 Past abatement records, if any: N/A

4.0 SUMMARY OF INSPECTION RESULTS:

The initial asbestos inspection was conducted on 03-11--2014, which involved a thorough visual examination of all accessible areas and sampling of suspect material.

4.1 Analyses from confirmed the presence of asbestos in the amount greater than 1% within the samples collected from the following material:

HA-04 – Pipe Run Insulation (Brown) **HA-05** – Pipe Run Insulation (White)

4.2 Analyses from determined the samples collected from the following materials to contain less than or equal to one percent (≤1%) asbestos:

NONE

5.0 ASBESTOS QUANTITY SCHEDULE:

Approximate asbestos quantity schedules are presented on the following table:

HOMOGENEOUS AREA ID#	DESCRIPTION	% ASBESTOS	FRIABLE F/NF	CONDITION (GOOD, DAMAGED, SIGNIFICANTLY DAMAGED)	EXPOSURE POTENTIAL (LOW, MED, HIGH)	QUANTITY	LOCATION # (Functional Spaces)
HA-04	Pipe Run Insulation	75% Chrysotile	F	Damaged	Low	12 ft	B-01, Crawlspace
		10% Chrysotile					Basement
HA-05	Pipe Run Insulation	5% Chrysotile	F	Damaged	Low	3 ft	Crawlspace

6.0 CONCLUSIONS AND RECOMMENDATIONS:

6.1 Recommendations:

It is recommended that thermal system insulation (TSI) be maintained in place.

6.2 Hazards and Response Actions:

HOMOGENEOUS	MATERIAL	FUNCTIONAL	RESPONSE ACTION	COST ESTIMATE
AREA ID#		SPACE ID#	(SSSD, ABATE, NONE)	(RESPONSE ACTION)
NONE	N/A	N/A	N/A	N/A

6.3 Summarizing samples and assessment results:

Nine (9) homogeneous areas were observed. Representative samples were extracted from six (6) homogeneous areas. Analytical results identified asbestos within the matrix. Assessment concluded low potential for exposure at this time. ACM TSI must be removed under OSHA 29CFR 1926.1101 Class I asbestos work prior to renovation or demolition procedures. Periodic Surveillances should be conducted on a regularly scheduled basis to determine change in condition and/or response action.

6.4 Cost estimates for abatement and O&M activities:

Thermal System Insulation - \$1,500.00 O&M Activities - \$1,500 per day as needed to maintain building.

7.0 AREAS NOT ACCESSIBLE:

Inaccessible areas may require further inspection of ACBM when become accessible.

NONE

8.0 REPORT CERTIFICATIONS:

Air & Earth, Inc. certifies that the information contained herein is based on the physical and visual inspections conducted by Air & Earth, Inc. and data collected during the inspection survey and file review.

03-19-2014 Date

Appendix A

9.0 ANALYTICAL RESULTS AND CHAINS OF CUSTODY

- (Positive Stop on All Samples) - 400 pt Count <2% Delivered By: Received By: Delivered By: Received By: Time: Time: Time: Fort Sill - Building # (S02) Date Sampled: 3-11-14 132858 H977 Date: Date: Date: Fort Sill, Preservation Requirements: (5-Day TAT) Pipe Insulation - Run - Graish Brown remispace Descriptions & Commentary Felt Paper White Project Name and Number: Project Location: ر Rosting Material - Strings Window Glaze CHAIN OF CUSTODY 3) **Analysis Requested** PLM - Asbestos 12 3 ž ತ Sample Media Bulk-Mise BUK-Mise í Bulk-TSI 3 5 Sampled By: Sample Number 03-03 60-1-0 84-03 10-10 01-03 10-50 10-40 05.03 63-02 05-03 10-50 10-50 10-90 60-90 e. 0 d

Project: Fort Sill-Building #1502

Project Location: Fort Sill, OK Project Number: N/A

= 22 12.11	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
001	01-01	Homogeneous	White Window Glazing	Asbestos Not Present	NA		CaCO3
002	01-02	Homogeneous	Pink Window Glazing	Asbestos Not Present	NA		CaCO3
003	02-01	Hemogeneous	Multi-Color Shingle	Asbestos Not Present	Glass Fiber	20	Quartz Tar
004	02-02	Homogeneous	Multi-Color Shingle	Asbestos Not Present	Glass Fiber	20	Quartz Tar
005	03-01	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose	60	Tar
006	03-02	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose	60	Tar
007	04-01	Layered	White Pipe Insulation	Asbestos Present Chrysotile 75	Cellulose	15	Binder

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

This report relates only to the specific items tested. NVLAP accreditation applies only to of the US Government. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.

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Project: Fort Sill-Building #1502

Project Location: Fort Sill, OK
Project Number: N/A

1	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007a		Layered	Gray Pipe Insulation	Asbestos Not Present	Cellulose 95	Binder
008	04-02	Layered	** Pipe Insulation	**	Not Analyzed	
Positive Stop 008a		Layered	Gray Pipe Insulation	Asbestos Not Present	Cellulose 95	Binder
. 009	04-03	Layered	** Pipe Insulation	**	Not Analyzed	
Positive Stop 009a		Layered	Gray Pipe Insulation	Asbestos Not Present	Cellulose 95	Binder
010	05-01	Homogeneous	White Pipe Insulation	Asbestos Present Chrysotile 10 Crocidolite 5	NA	Gypsum
011	05-02	Homogeneous	** Pipe Insulation	**	Not Analyzed	

Positive Stop

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.

Page 2 of 3

Project: Fort Sill-Building #1502

Project Location: Fort Sill, OK Project Number: N/A

Sample ID	Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012	05-03	Homogeneous	** Pipe Insulation	**	Not Analyzed	
Positive Stop						
013	06-01	Composite	White/Tan Debris	Asbestos Not Present	NA	CaCO3 Quartz Binder
014	06-02	Composite	White Debris	Asbestos Not Present	Cellulose <	CaCO3 Binder
				3/18/2014 Date of Report		ē

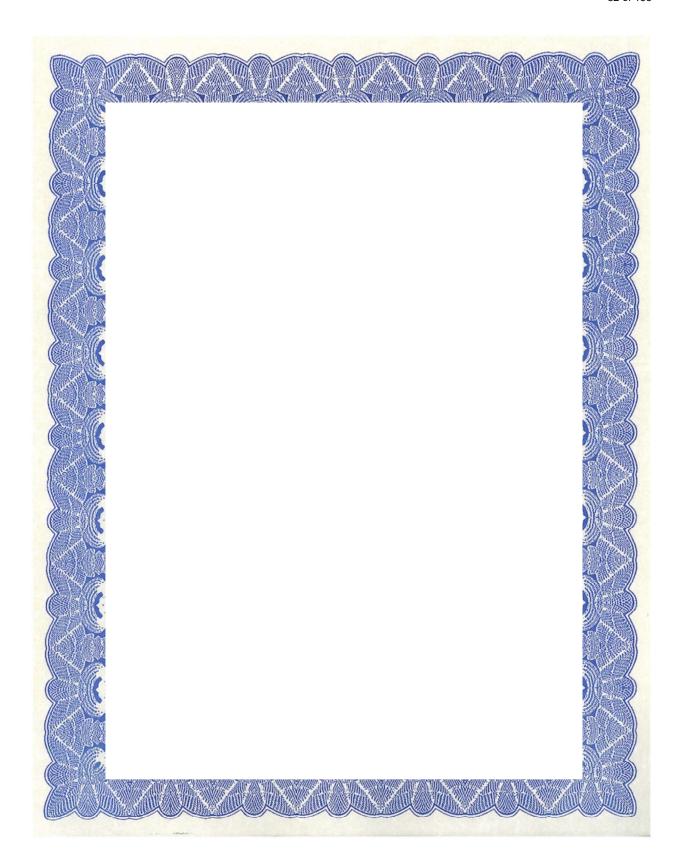
Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

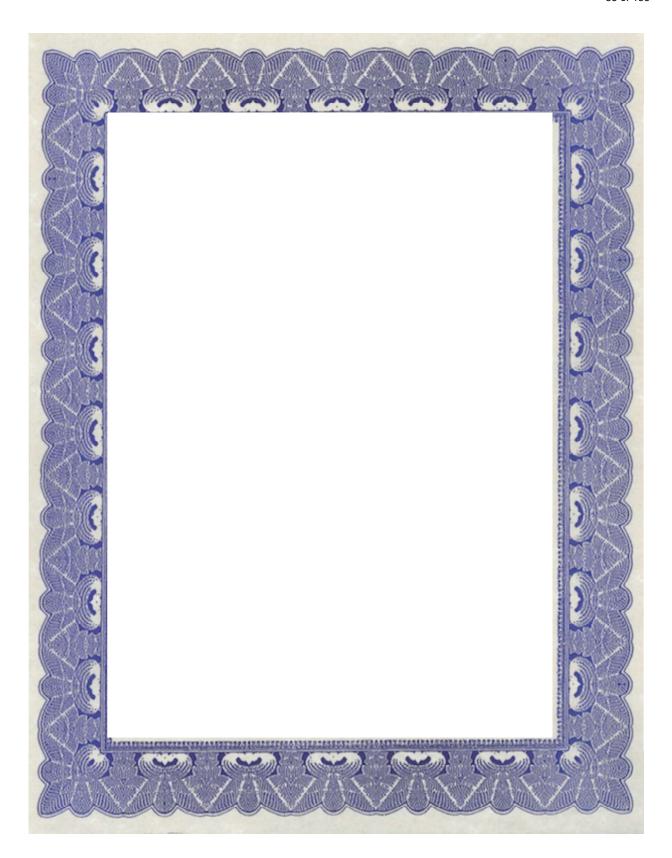
tis report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed unitzing erazouo/m4-62-020 and erazouo/k-93/110 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.

Appendix B 10.0 FILE SEARCH DATA (NONE)

Appendix C

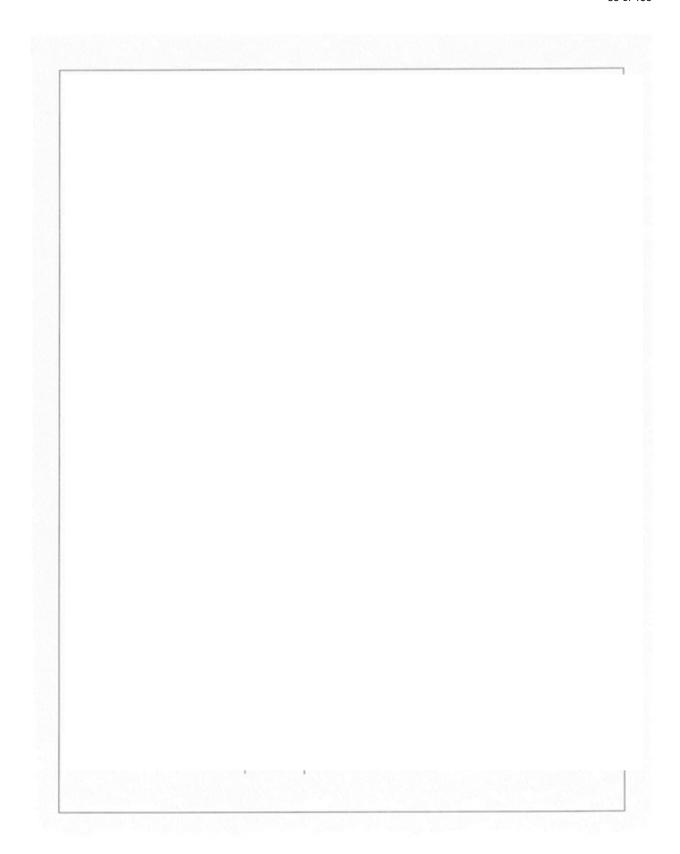
11.0 PERSONNEL LICENSES





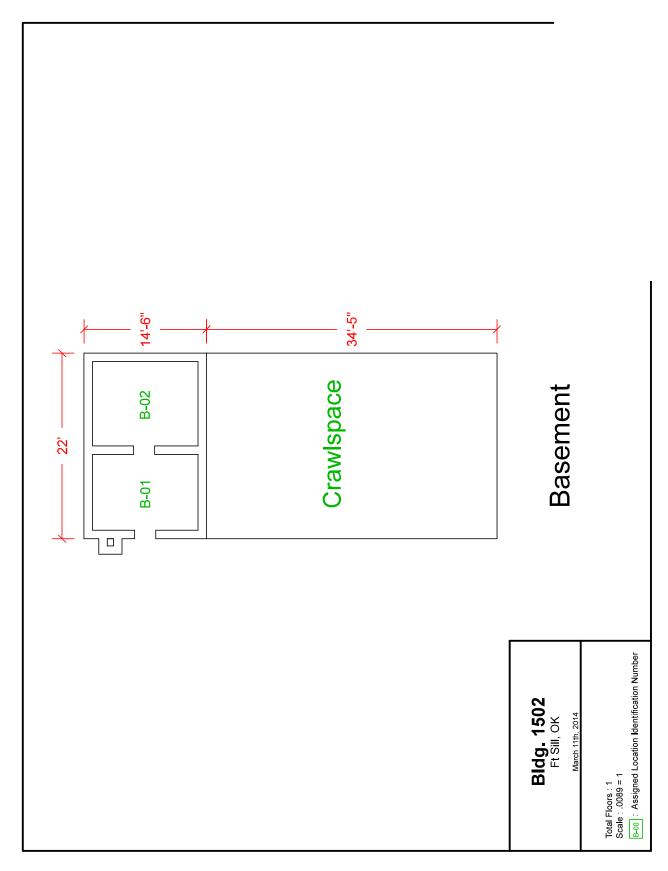
Appendix D

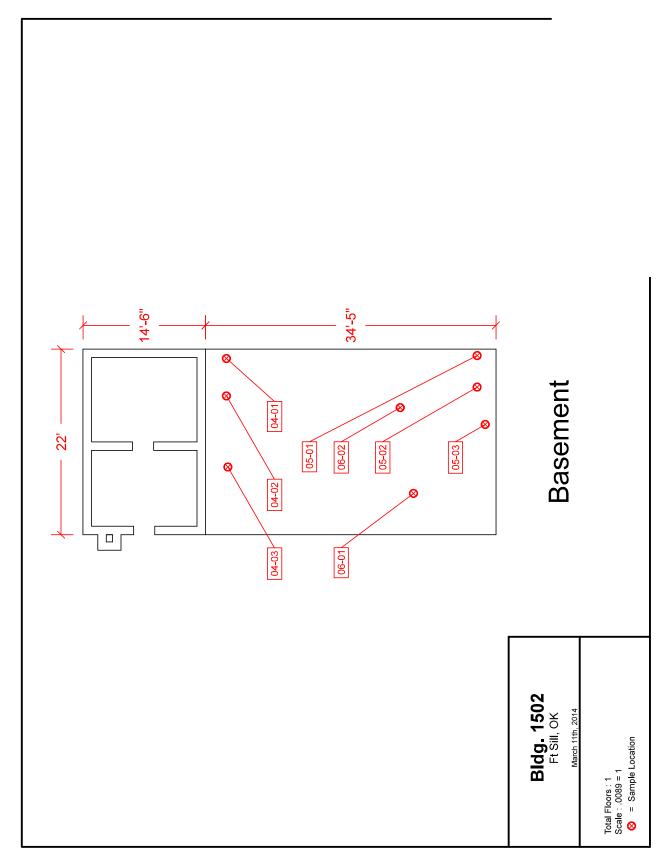
12.0 LABORATORY ACCREDITATIONS

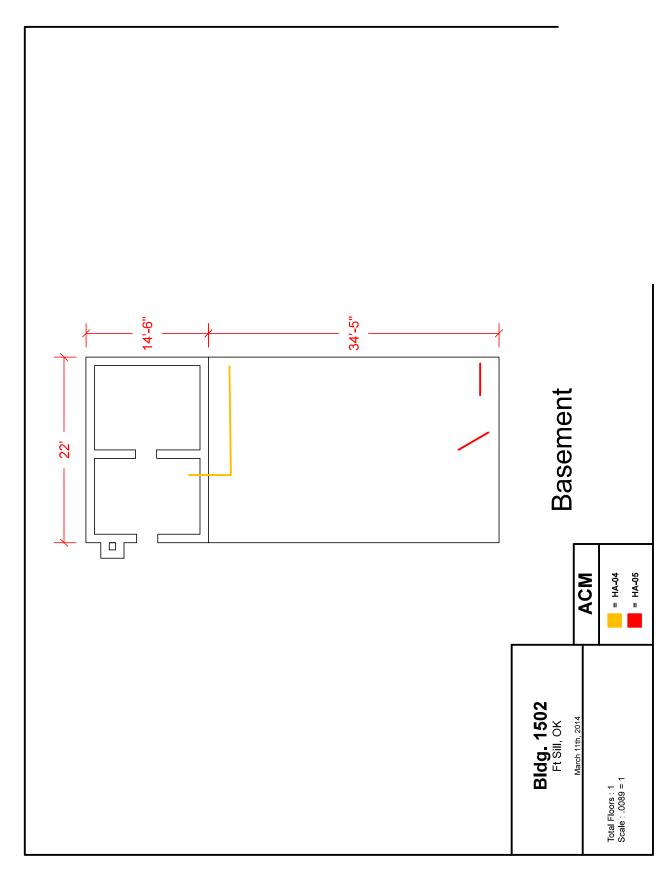


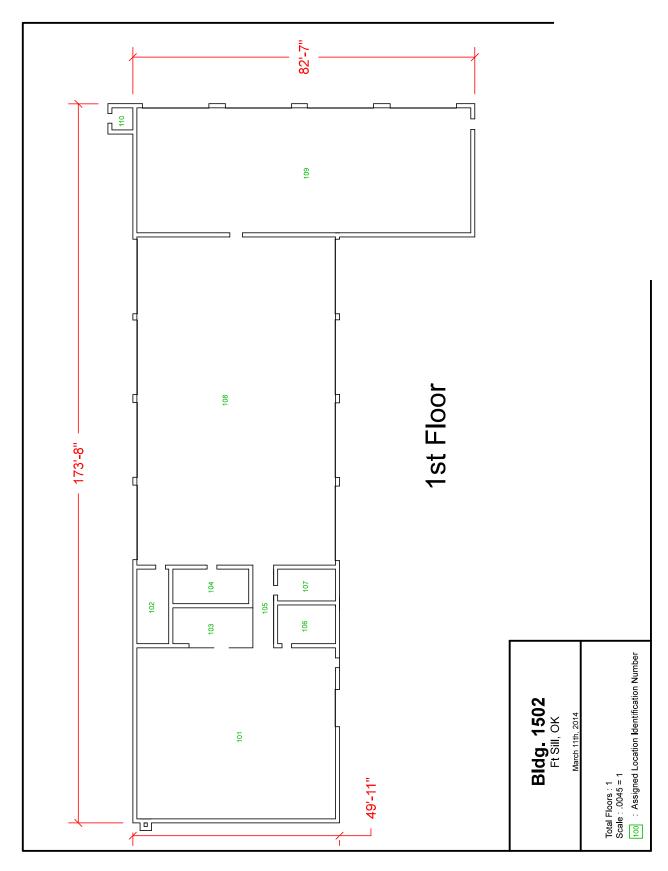
Appendix E

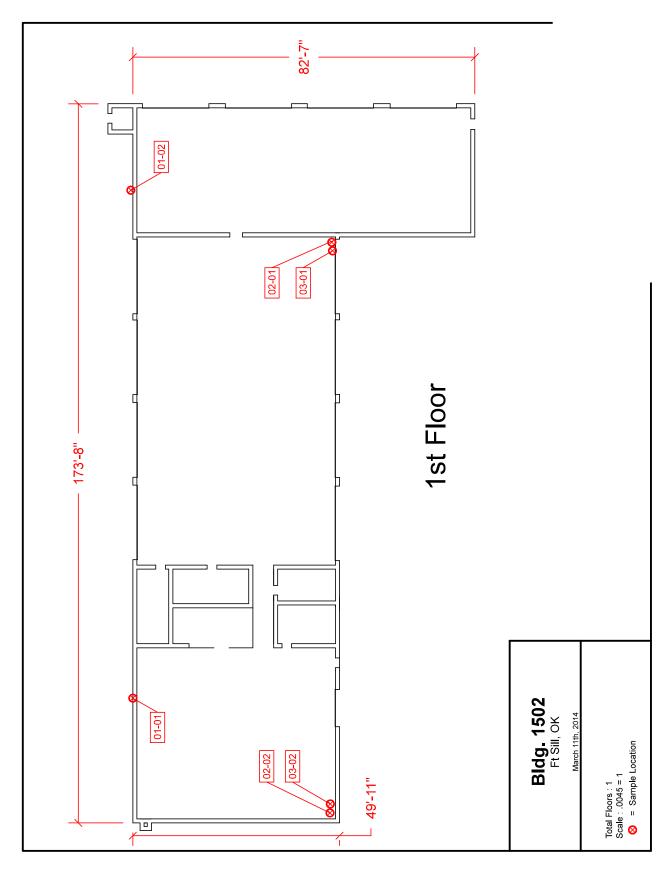
13.0 ACM LOCATION DRAWINGS & PICTURES













(HA-01) No Asbestos Detected



(HA-02) No Asbestos Detected



(HA-03) No Asbestos Detected



(HA-04)
Asbestos Detected



(HA-05) Asbestos Detected



(HA-06) No Asbestos Detected



(HA-07) No Asbestos Detected



(HA-08) No Asbestos Detected



(HA-09) No Asbestos Detected



ASBESTOS INSPECTION REPORT

Conducted at:

Building #1504 Fort, Sill, OK 73503

Conducted for:

Prepared By:

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1.0 BACKGROUND:

1.1 Air & Earth, Inc. has conducted an AHERA asbestos survey for the presence of Asbestos-Containing Materials (ACM) at the following building:

SITE: Building #1504 (constructed 07/01/1933)

COUNTY: Comanche

ADDRESS: Ft. Sill Military Reservation

INVESTIGATOR/INSPECTOR:

SITE VISIT DATE(s): 02-26-2014 **REPORT DATE:** 03-07-2014

REVISION DATE: N/A

1.2 Field Procedures and Analysis Methodology:

Guidelines used for the inspection were established by the Environmental Protection Agency (EPA) in the Guidance for Controlling Asbestos-Containing Materials in Buildings, Office of the Pesticides and Toxic Substances, DOC #560/5-85-024 and 40 CFR Part 763, Asbestos Hazard Emergency Response Act (AHERA), OSHA, Sampling Methods, Fort Sill, AR 200-1, ODOL, DEQ.

Field information was organized as per the AHERA concept of Homogeneous Area (HA). A HA is defined as a suspect material of similar age, appearance, function and texture. Each material was grouped together as a specific HA, sampled and then assessed for condition.

Laboratory asbestos identification was conducted under EPA Method 600/R-93/116. Laboratory accreditation was certified through the National Voluntary Laboratory Accreditation Program (NVLAP).

2.0 SCOPE OF WORK:

Entire building, including interior and exterior, was inspected using guidance from 40 CFR Part 763 (AHERA), EPA and OSHA Standards for ACM inspection. The inspection was characterized by a close visual inspection of all accessible areas. Suspect materials were sampled and inventoried for quantity, condition and friability, areas, location, type, condition, potential for disturbance and rate potential.

2.1 Materials examined included:

Surfacing: No surfacing materials were observed

Thermal System Insulation: Pipe and Ducting Insulation

Miscellaneous: Floor Tile, Gyp Wall System, Batting Insulation,

Window Glaze, Roofing Material and Mastics

3.0 SUMMARY OF FILE SEARCH:

The following is a listing of our findings:

3.1 Use of past survey records, if any: N/A3.2 Past abatement records, if any: N/A

4.0 SUMMARY OF INSPECTION RESULTS:

The initial asbestos inspection was conducted on 02-26-2014, which involved a thorough visual examination of all accessible areas and sampling of suspect material.

4.1 Analyses from confirmed the presence of asbestos in the amount greater than 1% within the samples collected from the following material:

HA-01 – 9x9" Floor Tile (Brown) & Mastic

4.2 Analyses from determined the samples collected from the following materials to contain less than or equal to one percent (≤1%) asbestos:

HA-03 - Window Glaze

5.0 ASBESTOS QUANTITY SCHEDULE:

Approximate asbestos quantity schedules are presented on the following table:

HOMOGENEOUS AREA ID#	DESCRIPTION	% ASBESTOS	FRIABLE F/NF	CONDITION (GOOD, DAMAGED, SIGNIFICANTLY DAMAGED)	EXPOSURE POTENTIAL (LOW, MED, HIGH)	QUANTITY	LOCATION # (Functional Spaces)
HA-01	9x9" Floor Tile	3% Chrysotile	NF	Damaged	Low		
HA-01b	Black Mastic	10% Chrysotile	NF	Good	Low	125 ft²	105
		0.25%					
HA-03	Window Glaze	Chrysotile	N/A	N/A	N/A	N/A	N/A

6.0 CONCLUSIONS AND RECOMMENDATIONS:

6.1 Recommendations:

It is recommended that ACM floor tiles and mastics be maintained in place.

6.2 Hazards and Response Actions:

HOMOGENEOUS	MATERIAL	FUNCTIONAL	RESPONSE ACTION	COST ESTIMATE
AREA ID#		SPACE ID#	(SSSD, ABATE, NONE)	(RESPONSE ACTION)
NONE	N/A	N/A	N/A	N/A

6.3 Summarizing samples and assessment results:

Eight (8) homogeneous areas were observed. Representative samples were extracted from four (4) homogeneous areas. Analytical results identified asbestos within the matrix. Assessment concluded low potential for exposure at this time. ACM floor tile and mastics must be removed prior to renovation procedures under OSHA 29CFR 1926.1101 Class II asbestos work, but may be left in place during demolition procedures unless the concrete pad is to be recycled. Periodic Surveillances should be conducted on a regularly scheduled basis to determine change in condition and/or response action.

6.4 Cost estimates for abatement and O&M activities:

Floor Tile & Mastic - \$1,500.00 O&M Activities - \$1,500 per day as needed to maintain building.

7.0 AREAS NOT ACCESSIBLE:

Inaccessible areas may require further inspection of ACBM when become accessible.

• Wet walls behind sinks, toilets, etc.

8.0 REPORT CERTIFICATIONS:

certifies that the information contained herein is based on the physical and visual inspections conducted by and data collected during the inspection survey and file review.

03-07-2014 Date

Appendix A

9.0 ANALYTICAL RESULTS AND CHAINS OF CUSTODY

LAB#232426 Fort Sill - Building # (50k/) Fort Sill, OK - (Positive Stop on All Samples) - 400 pt Count <2%		Date: Time: Date: Time: Date: Time: Date: Time: Date: Time: Date: Time: A-AC-(4
CHAIN OF CUSTODY Project Name and Number: Project Location: Fort Sill - Building # (50k/l Project Location: Fort Sill, OK Preservation Requirements: (5-Day TAT) - (Positive Stop on All Samples) - 400 pt Count <2%	Descriptions & Commentary 9 4 Flear Tite- Brown Cyp Wall System Whincew Glaze Rowhing Material - Aspalt Shingles	
CHAIN	sted	
	Sample Media Bulk-plise,	
	Sample Number 2 01-02 3 00-02 4 00-02 C 01-02 C 01-02 C 01-02 C 01-02 C 01-02	Sampled By:

Project: Ft. Sill REVISED Project Location: Fort Sill, OK

Project Number: Building #1504

	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	01-01	Layered	Tan Floor Tile	Asbestos Present Chrysotile 3	NA	Vinyl CaCO3
001a		Layered	Black Mastic	Asbestos Present Chrysotile 10	NA	Tar
002	01-02	Layered	** Floor Tile	**	Not Analyzed	
Positive Stop						
002a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
003	02-01	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
003a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	2 Gypsum
004	02-02	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

is report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/K-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.

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Project: Ft. Sill REVISED

Project Location: Fort Sill, OK
Project Number: Building #1504

9 5 1	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Ashestos Fiber (%)		Non Fibrous
00 4 a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	2	Gypsum
005	03-01	Layered	White Window Glazing	Asbestos Present Chrysotile <1	Talc	<1	CaCO3 Talc
005a		Layered	White Window Glazing	Asbestos Present Chrysotile <0.25 400 Point Count	NA		
006	03-02	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA		CaCO3
007	04-01	Homogeneous	Gray Shingle	Asbestos Not Present	Glass Fiber	20	Tar Sand
008	04-02	Homogeneous	Gray Shingle	Asbestos Not Present	Glass Fiber	20	Tar Sand
				3/6/2014 Date of Report			

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

his report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/DUU/NS-82-020 and EPA/DUU/NS-82

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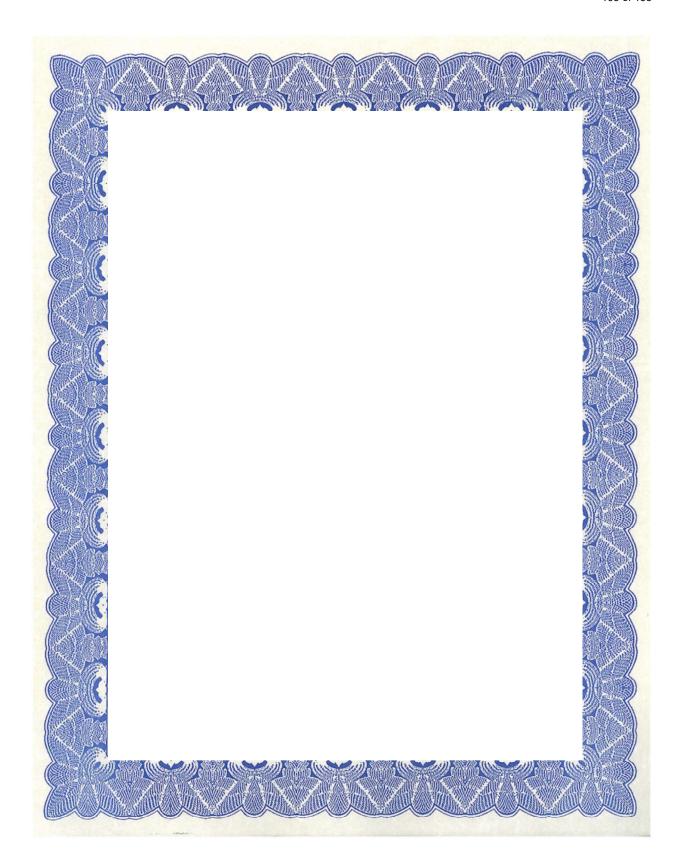
Appendix B

10.0 FILE SEARCH DATA

(NONE)

Appendix C

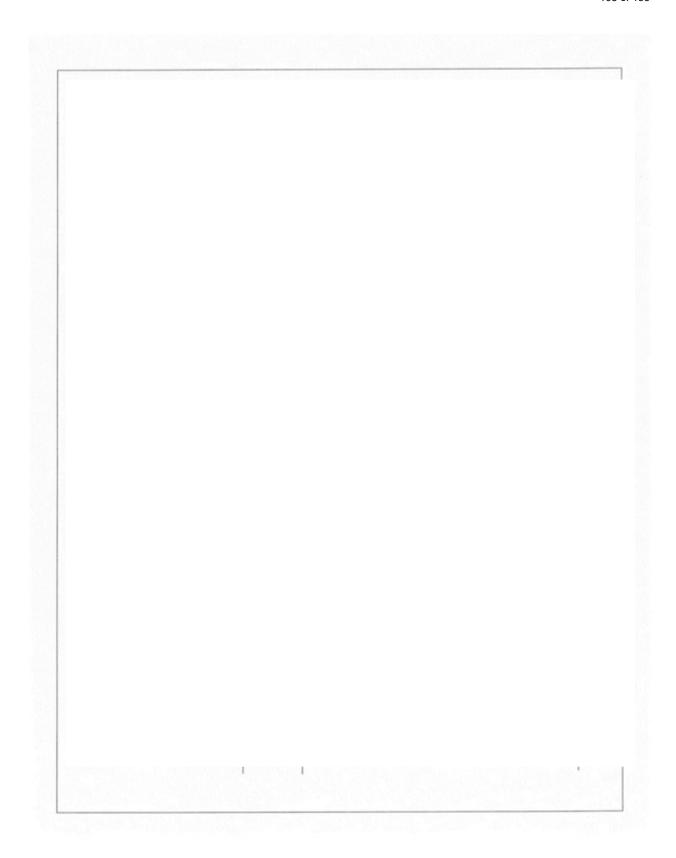
11.0 PERSONNEL LICENSES





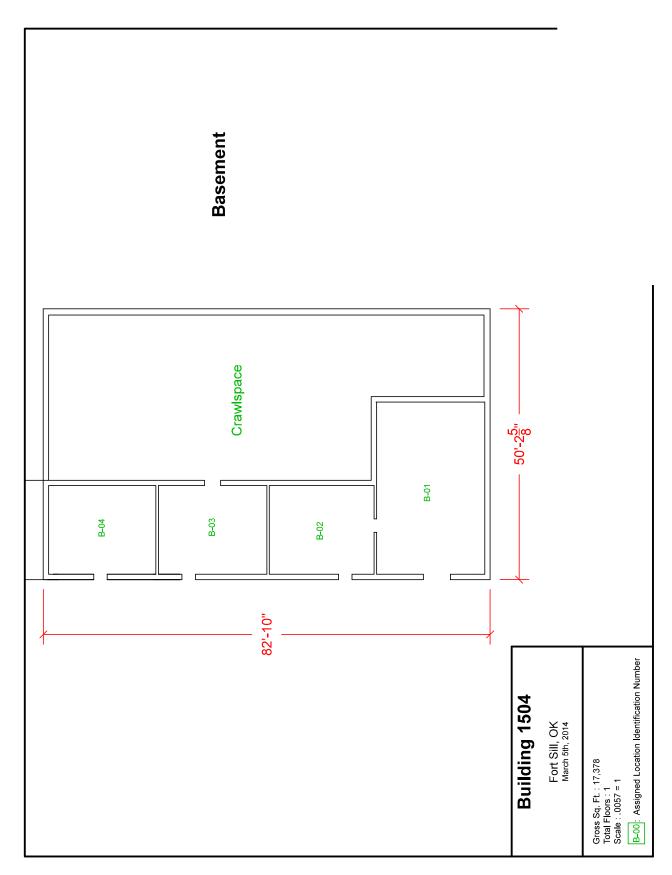
Appendix D

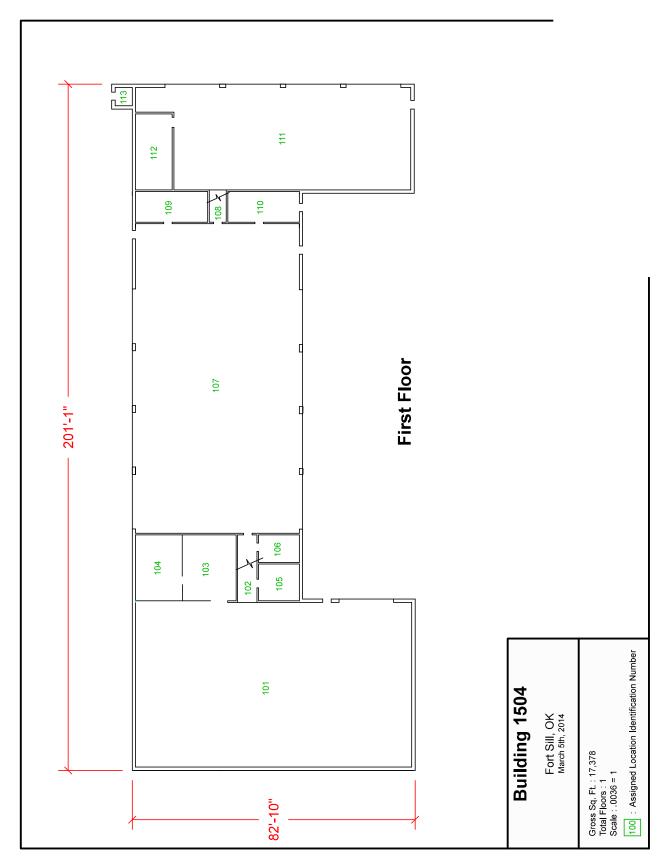
12.0 LABORATORY ACCREDITATIONS

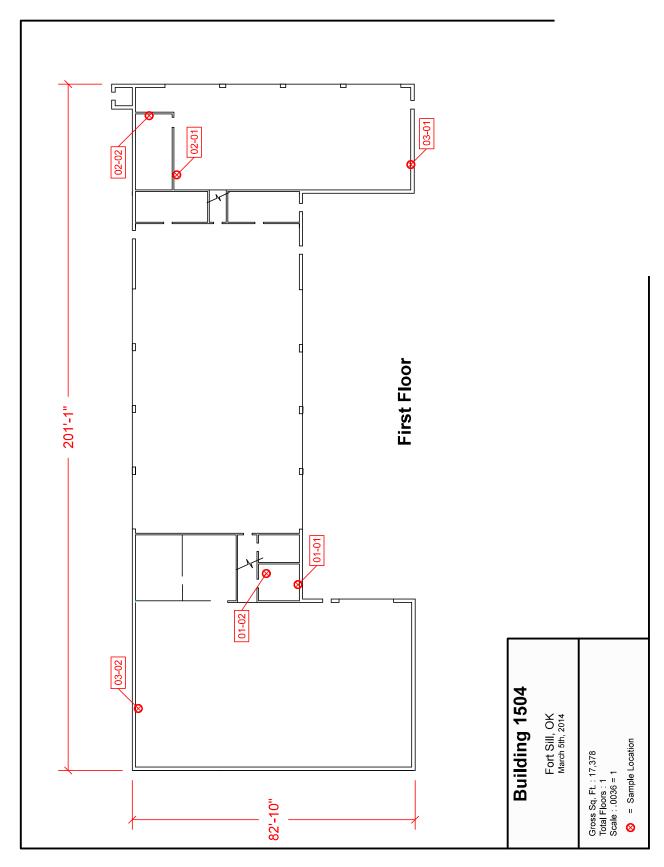


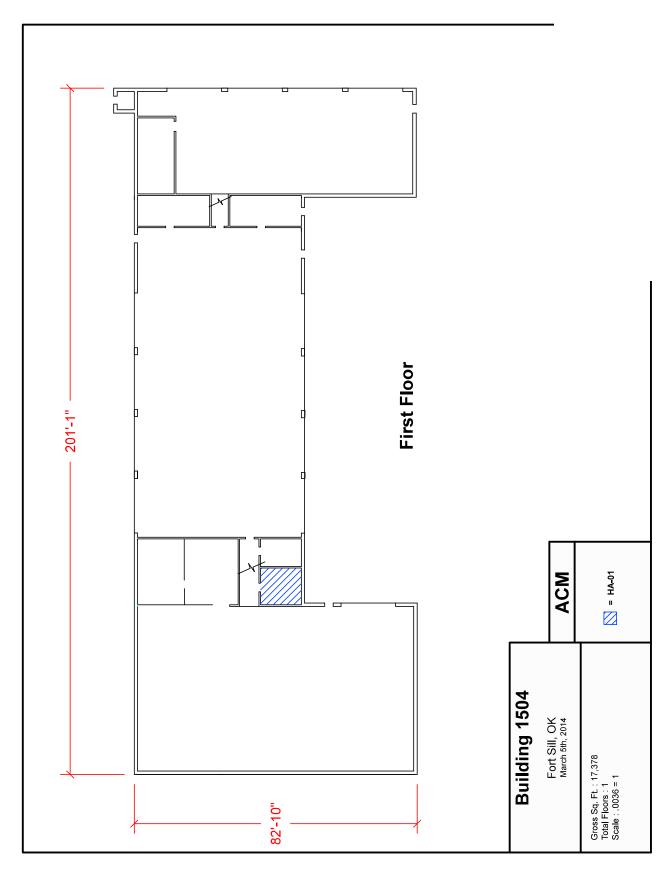
Appendix E

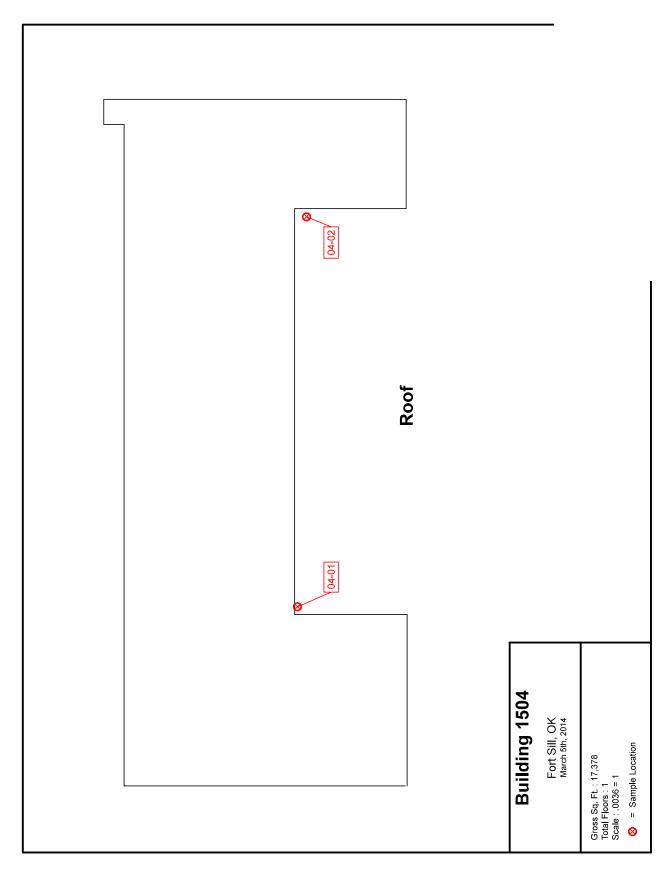
13.0 ACM LOCATION DRAWINGS & PICTURES













(HA-01)
Asbestos Detected



(HA-02) No Asbestos Detected



(HA-03) ≤1% Asbestos Detected



(HA-04) No Asbestos Detected



(HA-05) Fiberglass



(HA-06) Fiberglass



(HA-07) Fiberglass



(HA-08) Fiberglass



ASBESTOS INSPECTION REPORT

Conducted at:

Building #1903 Fort, Sill, OK 73503

Conducted for:

Prepared By:

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1.0 BACKGROUND:

1.1 has conducted an AHERA asbestos survey for the presence of Asbestos-Containing Materials (ACM) at the following building:

SITE: Building #1903 (constructed 07/01/1940)

COUNTY: Comanche

ADDRESS: Ft. Sill Military Reservation

INVESTIGATOR/INSPECTOR:

SITE VISIT DATE(s): 11-21-2014 **REPORT DATE:** 12-02-2014

REVISION DATE: N/A

1.2 Field Procedures and Analysis Methodology:

Guidelines used for the inspection were established by the Environmental Protection Agency (EPA) in the Guidance for Controlling Asbestos-Containing Materials in Buildings, Office of the Pesticides and Toxic Substances, DOC #560/5-85-024 and 40 CFR Part 763, Asbestos Hazard Emergency Response Act (AHERA), OSHA, Sampling Methods, Fort Sill, AR 200-1, ODOL, DEQ.

Field information was organized as per the AHERA concept of Homogeneous Area (HA). A HA is defined as a suspect material of similar age, appearance, function and texture. Each material was grouped together as a specific HA, sampled and then assessed for condition.

Laboratory asbestos identification was conducted under EPA Method 600/R-93/116. Laboratory accreditation was certified through the National Voluntary Laboratory Accreditation Program (NVLAP).

2.0 SCOPE OF WORK:

Entire building, including interior and exterior, was inspected using guidance from 40 CFR Part 763 (AHERA), EPA and OSHA Standards for ACM inspection. The inspection was characterized by a close visual inspection of all accessible areas. Suspect materials were sampled and inventoried for quantity, condition and friability, areas, location, type, condition, potential for disturbance and rate potential.

2.1 Materials examined included:

Surfacing: Wall / Ceiling Texturing

Thermal System Insulation: No TSI materials were observed

Miscellaneous: Floor Tile, Gyp Wall System, Window Glaze,

Roofing Material, and Mastics

3.0 SUMMARY OF FILE SEARCH:

The following is a listing of our findings:

3.1 Use of past survey records, if any: N/A3.2 Past abatement records, if any: N/A

4.0 SUMMARY OF INSPECTION RESULTS:

The initial asbestos inspection was conducted on 11-21-2014, which involved a thorough visual examination of all accessible areas and sampling of suspect material.

4.1 Building components, which have been determined to contain an asbestos presence greater than 1% by either analysis from or by PACM classification, are listed as the following:

HA-01 – 9x9" Floor Tile (Beige)

HA-02 – Gyp Wall System (Joint Compound)

HA-06 – Texturing (Rolled-On)

4.2 Analyses from determined the samples collected from the following materials to contain less than or equal to one percent (≤1%) asbestos:

NONE

5.0 ASBESTOS QUANTITY SCHEDULE:

Approximate asbestos quantity schedules are presented on the following table:

HOMOGENEOUS AREA ID#	DESCRIPTION	% ASBESTOS	FRIABLE F/NF	CONDITION (GOOD, DAMAGED, SIGNIFICANTLY DAMAGED)	EXPOSURE POTENTIAL (LOW, MED, HIGH)	QUANTITY	LOCATION # (Functional Spaces)
HA-01	9x9" Floor Tile	3% Chrysotile	NF	Good	Low	120 ft ²	105
HA-02	Gyp Wall System	3% Chrysotile	F	Good	Low	_	
HA-06	Texturing	3% Chrysotile	F	Good	Low	1,200 ft ²	104

6.0 CONCLUSIONS AND RECOMMENDATIONS:

6.1 Recommendations:

It is recommended that all ACBM be maintained in place.

6.2 Hazards and Response Actions:

HOMOGENEOUS	MATERIAL	FUNCTIONAL	RESPONSE ACTION	COST ESTIMATE
AREA ID#		SPACE ID#	(SSSD, ABATE, NONE)	(RESPONSE ACTION)
NONE	N/A	N/A	N/A	N/A

6.3 Summarizing samples and assessment results:

Six (6) homogeneous areas were observed. Representative samples were extracted from six (6) homogeneous areas. Analytical results identified asbestos within the matrix. Assessment concluded with a low potential for exposure at this time. Friable ACM must be removed under OSHA 29CFR 1926.1101 Class I asbestos work prior to renovation or demolition procedures. ACM floor must be removed under OSHA 29CFR 1926.1101 Class II asbestos work prior to renovation procedures but may be left in place during demolition procedures except for areas where ACM floor tiles exist on the concrete pad and the pad is to be recycled. Periodic Surveillances should be conducted on a regularly scheduled basis to determine change in condition and/or response action.

6.4 Cost estimates for abatement and O&M activities:

Gyp Wall System & Texturing - \$7,000.00 Floor Tile - \$1,500.00 O&M Activities - \$1,500 per day as needed to maintain building.

7.0 AREAS NOT ACCESSIBLE:

Inaccessible areas may require further inspection of ACBM when become accessible.

NONE

8.0 REPORT CERTIFICATIONS:

Air & Earth, Inc. certifies that the information contained herein is based on the physical and visual inspections conducted by Air & Earth, Inc. and data collected during the inspection survey and file review.

12-02-2014 Date

Appendix A

9.0 ANALYTICAL RESULTS AND CHAINS OF CUSTODY

		AHO	CHAIN OF CUSTON	
		C C	Project Name and Number:	Fort Sill - Building # 19 ₆₀₃
			Project Location:	Fort Sill, OK
			Preservation Requirements: (5-Day TAT) - (Positive	AT) - (Positive Stop on All Samples) - 4
Sample Number	Sample Media	Analysis Requested	Descriptions & Commentary	
10-10	Bulk-Mise	PLM - Asbestos	9",9" PlacTular Octive	
01-02	11 45	48. (44	7 2 2 2	
03-01	W 2	74 74	G. A. S.	
09-03		960 F4	7 3	
03-01	H 16	14 34	Window Glean	
03.02	4 .	16 99	11	
04-01	4 4	19 19	P. C. M. L. M. L. M. Ashali Ch.	
-04-0A	44 48	7 7	Con and and and and and and and and and an	Delivered By:
DS-01	16 4	34	1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C	
05-03	**			Date
06-01	Bulle-Surfacion	3+ h	Textor Bolled a	Re
0.6-02	7 " "	r r	2 2	
06-03		s s	x 7	
06-04	r.	r	74 74 14	S. Control
06-05	¢:	e'	* * * * * * * * * * * * * * * * * * *	Delivered By:
				Date: Time:
				- N
				Date: Time:

Project: Fort Sill - Building #1903

Project Location: Fort Sill, OK

Project Number: N/A

01-01	Layered	Gray Floor Tile	Ashestos Present Chrysotile 3	NA	Vinyl
					CaCO3
	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
01-02	Layered	++ Floor Tile		Not Analyzed	
	Layered	Brown Mastic	Asbestos Not Present	NA	Glue
02-01	Layered	White Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3
	Layered	White Shætrock	Asbestos Not Present	Cellulose 20	0 Gypsum
02-02	Layered	Joint Compound		Not Analyzed	
		02-01 Layered Layered	Layered Brown Mastic 02-01 Layered White Joint Compound Layered White Sheetrock	Layered Brown Asbestos Not Present Mastic 02-01 Layered White Asbestos Present Joint Compound Chrysotile 3 Layered White Asbestos Not Present Sheetrock 02-02 Layered **	Layered Brown Asbestos Not Present NA Mastic 02-01 Layered White Asbestos Present NA Joint Compound Chrysotile 3 Layered White Asbestos Not Present Cellulose 20 Sheetrock 02-02 Layered ** Not Analyzed

Positive Stop

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Page 1 of 3

Project: Fort Sill - Building #1903

Project Location: Fort Sill, OK Project Number: N/A

	Client Sample ID	Composition	Color / Description	Ashestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
004a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	20	Gypsum
005	03-01	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA		C±C03
006	03-02	Homogeneous	Gray Window Glazing	Asbestos Not Present	NA		CaCO3
007	04-01	Homogeneous	Black Shingle	Asbestos Not Present	Glass Fiber	20	Quartz Tar
008	04-02	Homogeneous	Black Shingle	Asbestos Not Present	Glass Fiber	20	Quartz Tar
009	05-01	Homogeneous	Black Tar Paper	Asbestos Not Present	Glass Fiber	35	Tar
010	05-02	Homogeneous	Black Tar Paper	Asbestos Not Present	Glass Fiber	35	Tar

Unitess otherwise noted amon receipt the condition of the sample was acceptable for analysis.

s report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed unitying expressions one-out-out and expressions. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.

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Project: Fort Sill - Building #1903

Project Location: Fort Sill, OK

Project Number: N/A

823						
	Client Sample ID	Composition	Color / Description	Ashestos (%)	Non-Asbestos Piber (%)	Non Fibrous
011	06-01	Homogeneous	White Texture	Asbestos Present Chrysotile 3	NA	CaCO3 Paint
012	06-02	Homogeneous	** Texture		Not Analyzed	
Positive Stop						
013	06-03	Homogeneous	** Texture	••	Not Analyzed	
Positive Stop						
014	06-04	Homogeneous	** Texture	-	Not Analyzed	
Positive Stop						
015	06-05	Homogeneous	Texture	-	Not Analyzed	
Positive Stop						
				12/2/2014		
	de de		18 85	Date of Report		

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

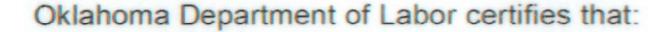
report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600 M4-82-020 and EPA/600/K-9-N116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.

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Appendix B 10.0 FILE SEARCH DATA (NONE)

Appendix C

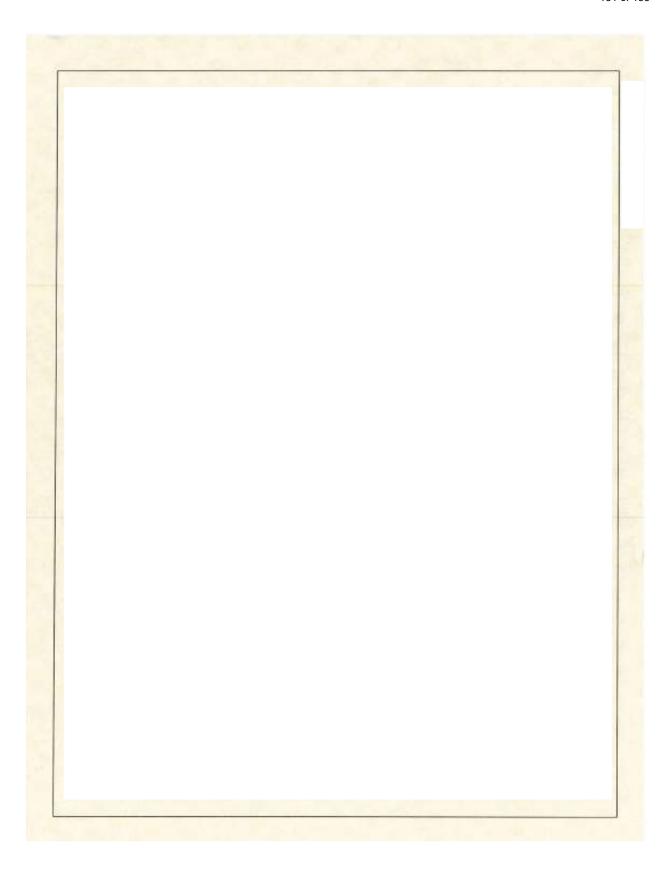
11.0 PERSONNEL LICENSES



Oklahoma Department of Labor certifies that:

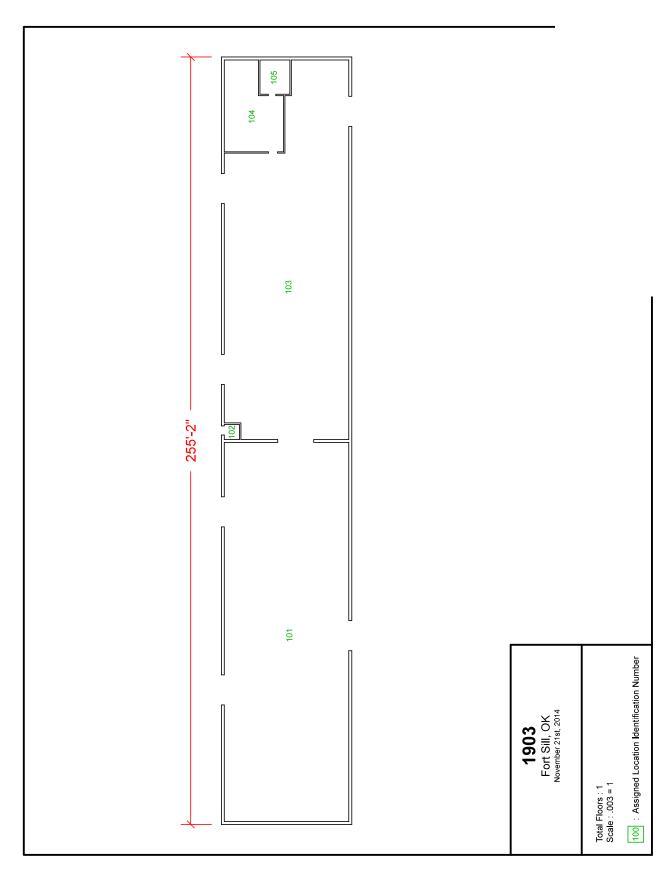
Appendix D

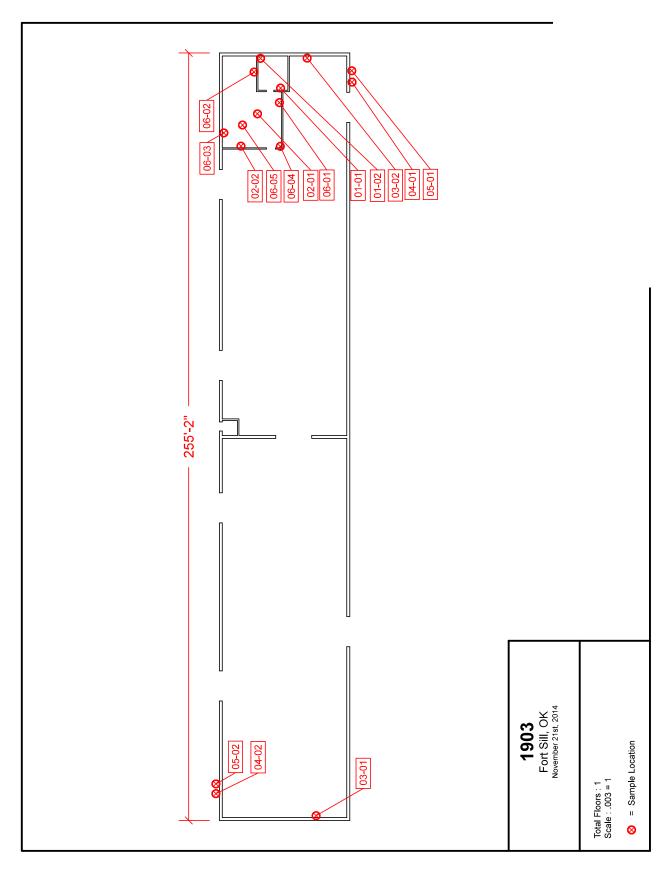
12.0 LABORATORY ACCREDITATIONS

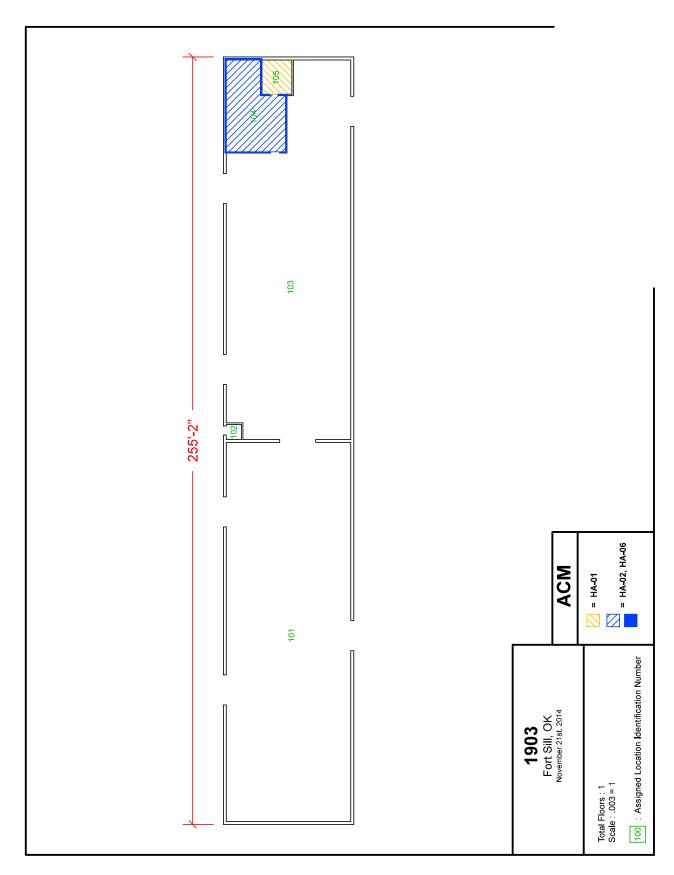


Appendix E

13.0 ACM LOCATION DRAWINGS & PICTURES









(HA-01)
Asbestos Detected



(HA-02) Asbestos Detected



(HA-03) No Asbestos Detected



(HA-04) No Asbestos Detected



(HA-05) No Asbestos Detected



(HA-06)
Asbestos Detected



ASBESTOS INSPECTION REPORT

Conducted at:

Building #1711 Fort Sill, OK 73503

Conducted for:

Prepared By:

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1.0 BACKGROUND:

1.1 has conducted an AHERA asbestos survey for the presence of Asbestos-Containing Materials (ACM) at the following building:

SITE: Building #1711 (constructed 07/01/1911)

COUNTY: Comanche

ADDRESS: Ft. Sill Military Reservation

INVESTIGATOR/INSPECTOR:

SITE VISIT DATE(s): 04-25-2016 **REPORT DATE:** 06-15-2016

REVISION DATE: N/A

1.2 Field Procedures and Analysis Methodology:

Guidelines used for the inspection were established by the Environmental Protection Agency (EPA) in the Guidance for Controlling Asbestos-Containing Materials in Buildings, Office of the Pesticides and Toxic Substances, DOC #560/5-85-024 and 40 CFR Part 763, Asbestos Hazard Emergency Response Act (AHERA), OSHA, Sampling Methods, Fort Sill, AR 200-1, ODOL, DEQ.

Field information was organized as per the AHERA concept of Homogeneous Area (HA). A HA is defined as a suspect material of similar age, appearance, function and texture. Each material was grouped together as a specific HA, sampled and then assessed for condition.

Laboratory asbestos identification was conducted under EPA Method 600/R-93/116. Laboratory accreditation was certified through the National Voluntary Laboratory Accreditation Program (NVLAP).

2.0 SCOPE OF WORK:

Entire building, including interior and exterior, was inspected using guidance from 40 CFR Part 763 (AHERA), EPA and OSHA Standards for ACM inspection. The inspection was characterized by a close visual inspection of all accessible areas. Suspect materials were sampled and inventoried for quantity, condition and friability, areas, location, type, condition, potential for disturbance and rate potential.

2.1 Materials examined included:

Surfacing: None Observed Thermal System Insulation: None Observed

Miscellaneous: Floor Tile, Plaster Wall System, Sheetrock,

Window Glaze and Mastics

3.0 SUMMARY OF FILE SEARCH:

The following is a listing of our findings:

3.1 Use of past survey records, if any: N/A3.2 Past abatement records, if any: N/A

4.0 SUMMARY OF INSPECTION RESULTS:

The initial asbestos inspection was conducted on 04-25-2016, which involved a thorough visual examination of all accessible areas and sampling of suspect material.

4.1 Building components, which have been determined to contain an asbestos presence greater than 1% by either analysis from QuanTEM Laboratories or by PACM classification, are listed as the following:

HA-01 – 12x12" Floor Tile (Beige) **HA-02** – 12x12" Floor Tile (Off-White) & Black Mastic

4.2 Analyses from QuanTEM Laboratories determined the samples collected from the following materials to contain less than or equal to one percent (≤1%) asbestos:

NONE

5.0 ASBESTOS QUANTITY SCHEDULE:

Approximate asbestos quantity schedules are presented on the following table:

HOMOGENEOUS AREA ID#	DESCRIPTION	% ASBESTOS	FRIABLE F/NF	CONDITION (GOOD, DAMAGED, SIGNIFICANTLY DAMAGED)	EXPOSURE POTENTIAL (LOW, MED, HIGH)	QUANTITY	LOCATION # (Functional Spaces)
HA-01	Floor Tile	3% Chrysotile	NF	Good	Low	440 ft ²	10,104
HA-02	Floor Tile	3% Chrysotile	NF	Good	Low		
HA-02b	Mastic	8% Chrysotile	NF	Good	Low	440 ft ²	105,106

6.0 CONCLUSIONS AND RECOMMENDATIONS:

6.1 Recommendations:

It is recommended that the ACM floor tiles and mastics be maintained in place.

6.2 Hazards and Response Actions:

HOMOGENEOUS	MATERIAL	FUNCTIONAL	RESPONSE ACTION	COST ESTIMATE
AREA ID#		SPACE ID#	(SSSD, ABATE, NONE)	(RESPONSE ACTION)
NONE	N/A	N/A	N/A	N/A

6.3 Summarizing samples and assessment results:

Five (5) homogeneous areas were observed. Representative samples were extracted from five (5) homogeneous areas. Analytical results identified asbestos within the matrix. Assessment concluded with a low potential for exposure at this time. ACM floor tiles and mastics must be removed under OSHA 29CFR 1926.1101 Class II asbestos work prior to renovation procedures but may be left in place during demolition procedures except for areas where ACM floor tile and mastic exist on the concrete pad and the pad is to be recycled. Periodic Surveillances should be conducted on a regularly scheduled basis to determine change in condition and/or response action.

6.4 Cost estimates for abatement and O&M activities:

Floor Tile & Mastic - \$2,200.00 O&M Activities - \$1,500 per day as needed to maintain building.

7.0 AREAS NOT ACCESSIBLE:

Inaccessible areas may require further inspection of ACBM when become accessible.

Wet walls behind sinks, toilets, etc.

8.0 REPORT CERTIFICATIONS:

certifies that the information contained herein is based on the physical and visual inspections conducted by and data collected during the inspection survey and file review.

06-15-2016 Date

Appendix A

9.0 ANALYTICAL RESULTS AND CHAINS OF CUSTODY

)	
		CHAI	CHAIN OF CUSTODY Project Name and Number	Cons Cill D. Little L. L.	
			Project Location:	Fort Sill, OK	
			Preservation Requirements: (5-Day T.	Preservation Requirements: (5-Day TAT) - (Positive Stop on All Samples) - 400 of Count	400 pt Coun
Sample Mumber	Sample Media	Analysis Requested	Descriptions & Commentary		
10-10	Bulk-Miss.	PLM - Asbestos	13"13" Flor Th. B Wh. 4 St. L.		
01-03	1	77 17			
03-01	:	11 11	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	
09-03	T .	*	The state of the s	C Office KS	
03-01		7 %	1 3 4 1 1		
03-03	3	3 3	The state of the s		
04-91	N X	71 11	1,70		
04-03	4 4	3 3	1017		
05.01	34 34	ı d		Delivered Sy.	. 69.
10 50	14 15	3	10 150 C 1620 - 15x12or		
67.77			r	Date: Time:	
				Kedeived By:	DÁ:
				Date: Time:	
				Delivered By:	BV:
				Received By:	BV:
				Date: Time:	

Project Location: Fort Sill, OK
Project Number: Building # 1711

Sample ID	Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	01-01	Layered	Beige Floor Tile	Asbestos Present Chrysotile 3	NA	CaCO3 Vinyl
001a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
002	01-02	Layered	** Floor Tile	**	Not Analyzed	
Positive Stop						
002a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
003	02-01	Layered	Beige Floor Tile	Asbestos Present Chrysotile 3	NA	CaCO3 Vinyl
003a		Layered	Black Mastic	Asbestos Present Chrysotile 8	NA	Tar
004	02-02	Layered	** Floor Tile	**	Not Analyzed	

Unless otherwise noted anon receint the condition of the sample was acceptable for analysis.

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Page 1 of 3

Project: Fort Sill
Project Location: Fort Sill, OK
Project Number: Building # 1711

Sample ID	Sample ID	Composition	Color/ Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
Positive Stop						
004a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
005	03-01	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 1	5 Gypsum
006	03-02	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 1	5 Gypsum
007	04-01	Layered	White Texture	Asbestos Not Present	NA	CaCO3
007a		Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Sand
008	04-02	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Gypsum

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Page 2 of 3

Project Fort Sill
Project Location: Fort Sill, OK
Project Number: Building # 1711

Sample ID	Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008a		Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Sand
009	05-01	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3 Binder
010	05-02	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3 Binder
			<u> </u>	5/2/2016 Date of Report		

Untoes otherwise noted upon receipt the condition of the sample was acceptable for analysis.

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Appendix B 10.0 FILE SEARCH DATA (NONE)

Appendix C

11.0 PERSONNEL LICENSES

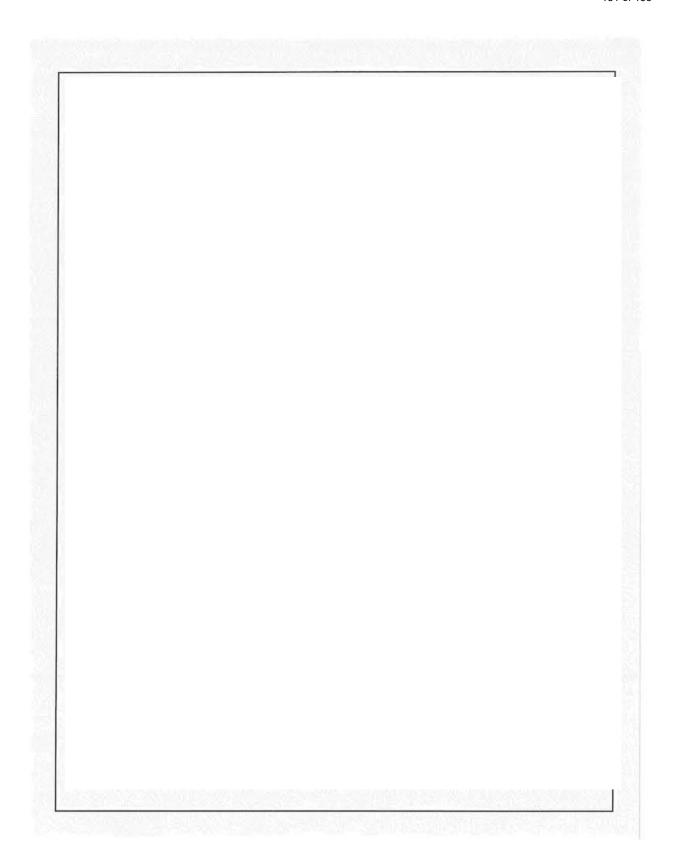
Attachment 4 - Asbestos Inspection Report Buildings 1803,	1501,	1502,	ect
W9124L-25-R-RR17 Repair Hail Damaged Roofs	1803,	1501,	ect
		149 of	155



Oklahoma Department of Labor certifies that:

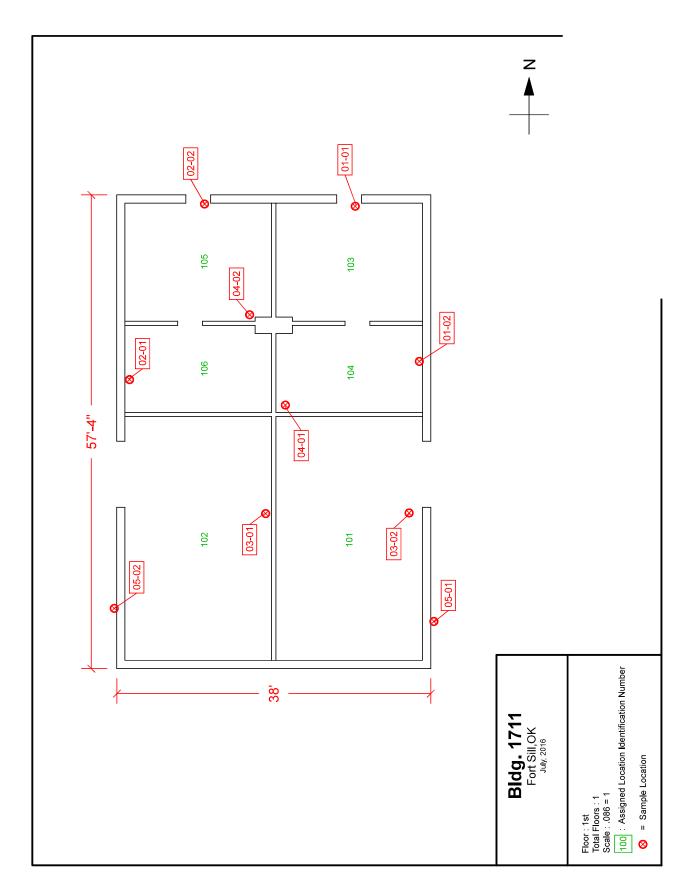
Appendix D

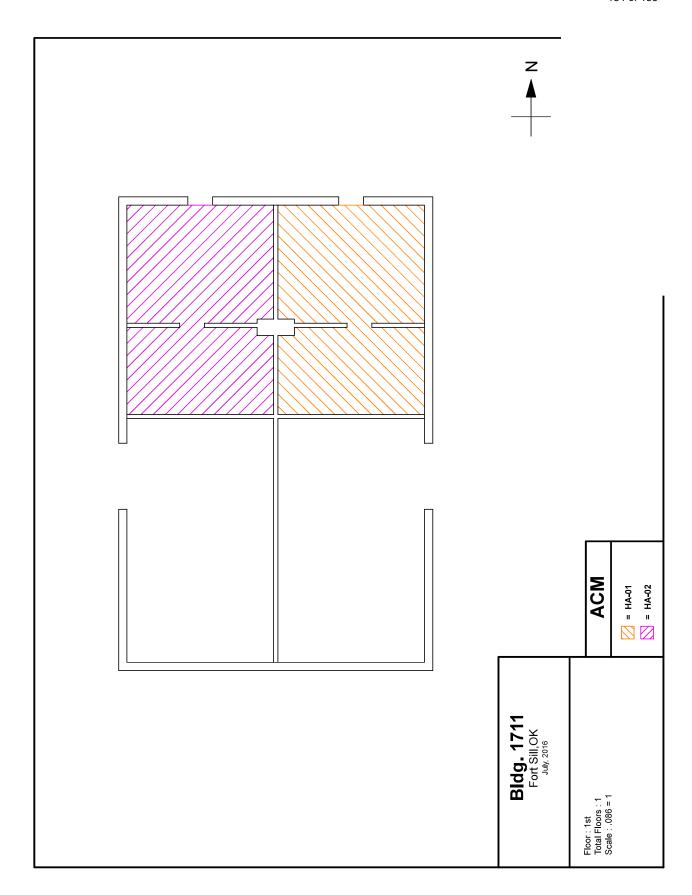
12.0 LABORATORY ACCREDITATIONS



Appendix E

13.0 ACM LOCATION DRAWINGS & PICTURES







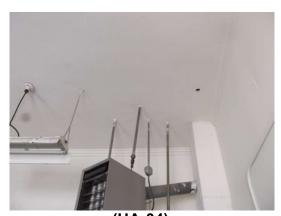
(HA-01) Asbestos Detected



(HA-02)
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(HA-03) No Asbestos Detected



(HA-04) No Asbestos Detected



(HA-05) No Asbestos Detected