



September 29, 2015

State of Utah - DFCM
4110 State Office Building
Salt Lake City, Utah 84114

Attention: Mr. Robert Anderson – Improvements Project Manager
P: 801-652-6754
E: bobanderson@utah.gov

Re: 3-Year Asbestos Re-Inspection and PCB Testing
Provo Regional Center
Building Number 05374
150 East Center Street
Provo, Utah 84606
Terracon Project No. AL157595

Dear Mr. Anderson:

Terracon Consultants, Inc. (Terracon) conducted limited asbestos sampling and testing of elevator hydraulic fluid for polychlorinated bi-phenyls (PCBs) at the above-referenced location in Provo, Utah. Mr. Michael W. Scott (Utah-certified Asbestos Inspector No. ASB-2252) conducted the asbestos sampling and PCB testing on September 9, 2015, per an email dated August 31, 2015, from Mr. Bob Anderson, Improvements Project Manager with the Utah Division of Facilities and Construction Management (DFCM).

Asbestos Sampling

IHI Environmental (IHI) previously conducted an Asbestos Survey and Assessment for the building in 2004 (DFCM Project No. 03163310/Contract No. 047405; IHI Project No. 04A-1064, dated June 26, 2004). DFCM requested that Terracon conduct a 3-year re-inspection of the Provo Regional Center building to re-assess the building for unsampled suspect building materials (in compliance with Utah Administrative Code R307-801-9(4)) that may not have been present or addressed in the previous 2004 report. The re-inspection was conducted on September 9, 2015, while Terracon was on site to collect a sample of hydraulic fluid from the parking garage elevator equipment associated with the parking garage to the south of the Provo Regional Center building.

Limited asbestos sampling was performed by Mr. Scott, a Utah-certified asbestos inspector. Nineteen (19) bulk samples were collected from five (5) homogeneous areas of suspect ACM that were not identified in the 2004 report. The samples were submitted under chain-of-custody to Dixon Information, Inc., (Dixon) of Salt Lake City, Utah for analysis by polarized light microscopy (PLM) per Environmental Protection Agency (EPA) method EPA/600/R-93/116. The



Terracon Consultants, Inc. 640 East Wilmington Avenue Salt Lake City, Utah 84106
P [801] 466-2223 F [801] 466-9616 www.terracon.com



3-Year Asbestos Re-inspection and PCB Testing

Provo Regional Center ■ Provo, Utah

Building No. 05374

September 29, 2015 ■ Terracon Project No. AL157595



percentage of asbestos, where applicable, was determined by microscopic visual estimation or point counting. Dixon is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP Accreditation No. 101012-0).

No other suspect materials were observed and the previously sampled materials in the 2004 report do not appear to have changed in appearance or condition.

A summary of the classification, condition, and approximate quantity of confirmed asbestos is presented in Appendix A. Samples with identified asbestos are bolded in the table. Laboratory analytical reports are included in Appendix B. Sample location maps for asbestos are presented in Appendix D. A photo log of the collected suspect asbestos materials is presented in Appendix E.

PCB Testing

Terracon conducted testing on the parking garage elevator hydraulic fluid at the above-referenced location in Provo, Utah. The elevator is associated with the multi-level parking garage that is present to the south of the Provo Regional Center building. Mr. Scott conducted the testing on September 9, 2015.

One sample of the parking garage elevator hydraulic fluid was collected and submitted to American West Analytical Laboratories (AWAL) of Salt Lake City, Utah. The sample was collected in a four-ounce glass jar and delivered on ice to AWAL on September 10, 2015, for analysis for PCBs by GC/ECD Method 8082A/3580A. AWAL is accredited by the National Environmental Lab Accreditation Program (NELAP). Laboratory analytical reports are included in Appendix C.

FINDINGS AND CONCLUSIONS

Asbestos

Asbestos was not identified in the nineteen (19) samples of suspect material that were collected and submitted to the laboratory.

PCBs

Analytical results indicated that the concentrations of the individual commercial PCB mixtures (Aroclors) in the hydraulic oil were less than the laboratory reporting limit. The laboratory reporting limit was well below the 50-part-per-million (ppm) Environmental Protection Agency definition of PCB-containing material.

LIMITATIONS / GENERAL COMMENTS

Terracon did not perform sampling requiring demolition or destructive activities, such as knocking holes in walls, dismantling of equipment, or removal of protective coverings. Reasonable efforts to access suspect materials within known areas of restricted access (e.g., crawl spaces) were made; however, confined spaces or areas that may pose a health or safety risk to Terracon personnel were not sampled. Sampling did not include suspect materials that could not be safely reached with available ladders/man-lifts.

This 3-year asbestos re-inspection and PCB testing was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings, conclusions and recommendations expressed in this report are based on conditions observed during our survey of the building. The information contained in this report is relevant to the date on which this limited survey was performed, and should not be relied upon to represent conditions at a later date. This report has been prepared on behalf of and exclusively for use by Utah DFCM for specific application to their project as discussed. This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary. Terracon does not warrant the work of regulatory agencies, laboratories or other third parties supplying information which may have been used in the preparation of this report. No warranty, express or implied is made.

Terracon appreciates the opportunity to provide our services to Utah DFCM. If you have any question on the above information or results, please contact us at 801.466.2223.

Sincerely,
Terracon Consultants, Inc.



Michael W. Scott
Project Manager /
EPA Accredited Lead Based Paint Inspector



Rush Bowers, CIH, CSP
Authorized Project Reviewer

Appendices

- Appendix A Asbestos Survey Sample Summary
- Appendix B Asbestos Analytical Results
- Appendix C PCB Analytical Results
- Appendix D Asbestos Sample Location Maps
- Appendix E Photo Log
- Appendix F Certifications

APPENDIX A

ASBESTOS SURVEY SAMPLE SUMMARY

Provo Regional Center
Building No. 05374
150 East Center Street
Provo, Utah County, Utah

Homogeneous Area	Sample No.	Description	Sample Location	Quantity	Lab Results
1	01-CA1-01	Silver window caulk	Level 2 – northeast office area	4,500 LF	ND
1	01-CA1-01		Level 3 - Department of Education, Division of Rehabilitation – Reception Area		ND
1	01-CA1-01		Level 4 – Department of Workforce Services – Office 4129		ND
2	02-MG3-04	Tan/green covebase with green mastic	Lower Level 1 – north stairwell	2,500 LF	M = ND
2	02-MG3-04		Level 1 – corridor south of lunch room		M = ND
2	02-MG3-04		Level 3 – south stairwell		M = ND
3	03-MG3-07	Green covebase with tan mastic	Level 1 – Health Clinic of Utah break room	2,600 LF	M = ND
3	03-MG3-08		Level 1 – DMV break room		CB = ND* M = ND
3	03-MG3-09		Level 2 – southwest open office area		M = ND
4	04-PL1-10	White wall texture	Lower Level 1 – north stairwell	120,000 SF	ND
4	04-PL1-11		Level 1 – Snack Bar		ND
4	04-PL1-12		Level 1 – DMV break room		ND
4	04-PL1-13		Level 2 – northeast open office area		ND
4	04-PL1-14		Level 3 – Department of Education, Division of Rehabilitation – breakroom		ND
4	04-PL1-15		Level 4 – Department of Workforce Services – storage room		ND
4	04-PL1-16		Level 5 – Department of Human Services, Division of Family Services		ND

APPENDIX A - Continued

ASBESTOS SURVEY SAMPLE SUMMARY

Provo Regional Center

Building No. 05374

150 East Center Street

Provo, Utah County, Utah

5	05-MG7-17	Yellow carpet mastic	Level 5 – elevator landing	30,000 SF	ND
5	05-MG7-17		Level 4 – elevator landing		ND
5	05-MG7-17		Level 3 – elevator landing		ND

* Covebase rubber not a suspect material, but included with the mastic sample.

ND = Non-detect

CB = Covebase

M = Mastic

LF = Linear feet

SF = Square feet

APPENDIX B

Asbestos Analytical Results

DIXON INFORMATION INC.

MICROSCOPY, ASBESTOS ANALYSIS & CONSULTING
A.I.H.A. ACCREDITED LABORATORY # 101579
NVLAP LAB CODE 101012-0

September 17, 2015

Mr. Michael Scott
IHI Environmental/Terracon Consultants
640 East Wilmington Ave
Salt Lake City, UT 84106

Ref: Batch # 130127, Lab # H26229 - H26247
Received September 10, 2015
Test report, Page 1 of 4
150 East Center Street, Provo, UT
Provo Regional Center
Project# AL157595
Sampled by Michael Scott on 09/09/15

Dear Mr. Scott:

Samples H26229 through H26247 have been analyzed by visual estimation based on EPA-600/M4-82-020 December 1982 optical microscopy test method, with guidance from the EPA/600/R-93/116 July 1993 and OSHA ID 191 methods. Appendix "A" contains statements which an accredited laboratory must make to meet the requirements of accrediting agencies. It also contains additional information about the method of analysis. Appendix "A" must be included as an essential part of this test report. This analysis is accredited under NVLAP Lab Code: 101012-0. It does not contain data or calibrations for tests performed under the AIHA program under lab code 101579.

This report may be reproduced but all reproduction must be in full unless written approval is received from the laboratory for partial reproduction. The results of analysis are as follows:

Lab H26229, Field 01-CA1-01 Silver Window Caulk
This is gray silicone caulking. **Asbestos is none detected.**

Lab H26230, Field 01-CA1-02 Silver Window Caulk
This is gray silicone caulking. **Asbestos is none detected.**

Lab H26231, Field 01-CA1-03 Silver Window Caulk
This is gray silicone caulking. **Asbestos is none detected.**

Batch # 130127

Lab # H26229 - H26247

Page 2 of 4

Lab H26232, Field 02-MG3-04 Tan/Green Cove base with Green Mastic

This sample contains three types of material: The first type is white limestone plaster with perlite; the second type is white paint layers; the third type is yellow resin mastic. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 5% of the sample. The second type is 10% of the sample. The third type is 85% of the sample.

Lab H26233, Field 02-MG3-05 Tan/Green Cove base with Green Mastic

This sample contains three types of material: The first type is yellow resin mastic; the second type is white paint; the third type is tan plant fiber paper. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 85% of the sample. The second type is 5% of the sample. The third type is 10% of the sample.

Lab H26234, Field 02-MG3-06 Tan/Green Cove base with Green Mastic

This sample contains three types of material: The first type is yellow resin mastic; the second type is white paint; the third type is tan plant fiber paper. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 45% of the sample. The second type is 20% of the sample. The third type is 35% of the sample.

Lab H26235, Field 03-MG3-07 Green Cove base with Tan Mastic

This sample contains two types of material: The first type is off white and yellow resin mastics; the second type is tan plant fiber paper. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 80% of the sample. The second type is 20% of the sample.

Lab H26236, Field 03-MG3-08 Green Cove base with Tan Mastic

This sample contains three types of material: The first type is gray rubber and limestone; the second type is yellow resin mastic; the third type is tan plant fiber paper. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 10% of the sample. The second type is 85% of the sample. The third type is 5% of the sample.

Batch # 130127

Lab # H26229 - H26247

Page 3 of 4

Lab H26237, Field 03-MG3-09 Green Cove base with Tan Mastic

This sample contains two types of material: The first type is yellow resin mastic with black surface debris; the second type is tan plant fiber paper. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 90% of the sample. The second type is 10% of the sample.

Lab H26238, Field 04-PL1-10 White Wall Texturing

This sample contains two types of material: The first type is white paint; the second type is tan plant fiber paper. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 25% of the sample. The second type is 75% of the sample.

Lab H26239, Field 04-PL1-11 White Wall Texturing

This sample contains three types of material: The first type is off white paint; the second type is white limestone plaster with mica; the third type is off white plant fiber paper. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 10% of the sample. The second type is 65% of the sample. The third type is 25% of the sample.

Lab H26240, Field 04-PL1-12 White Wall Texturing

This sample contains two types of material: The first type is white paint; the second type is tan plant fiber paper. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 40% of the sample. The second type is 60% of the sample.

Lab H26241, Field 04-PL1-13 White Wall Texturing

This sample contains two types of material: The first type is off white paint; the second type is off white plant fiber paper. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 80% of the sample. The second type is 20% of the sample.

Lab H26242, Field 04-PL1-14 White Wall Texturing

This sample contains three types of material: The first type is white paint; the second type is white limestone plaster with mica; the third type is brown plant fiber paper. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 20% of the sample. The second type is 10% of the sample. The third type is 70% of the sample.

Batch # 130127
Lab # H26229 - H26247
Page 4 of 4

Lab H26243, Field 04-PL1-15 White Wall Texturing

This sample contains three types of material: The first type is white paint; the second type is white limestone plaster with mica; the third type is brown plant fiber paper. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 20% of the sample. The second type is 10% of the sample. The third type is 70% of the sample.

Lab H26244, Field 04-PL1-16 White Wall Texturing

This sample contains three types of material: The first type is white paint; the second type is white limestone plaster with mica; the third type is brown plant fiber paper. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 70% of the sample. The second type is 10% of the sample. The third type is 20% of the sample.

Lab H26245, Field 05-MG-17 Yellow/Weathered Yellow

This is a non-homogenous mixture of yellow and green resin mastics with less than 1% synthetic fiber debris. **Asbestos is none detected.**

Lab H26246, Field 05-MG-18 Carpet Glue

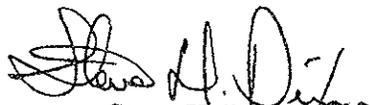
This is yellow resin mastic with less than 1% synthetic fiber debris. **Asbestos is none detected.**

Lab H26247, Field 05-MG-19 Carpet Glue

This is yellow resin mastic with less than 1% synthetic fiber debris. **Asbestos is none detected.**

In order to be sure reagents and tools used for analysis are not contaminated with asbestos, blanks are tested. Asbestos was none detected in the blanks tested with this bulk sample set.

Very truly yours,


Steve H. Dixon/President

Analyst: Alex Kachel 

Analyst: Jarred R. Bowers 

Date Analyzed: September 17, 2015

Dixon Information Inc.
78 West 2400 South
South Salt Lake, Utah 84115
Phone: (801) 486-0800 Fax: (801) 486-0849

BULK ANALYTICAL REQUEST FORM

Turnaround Time - Check One

Batch Number 130127

- Same Day Rush (12 Hours \$35.00 per sample)
- 24 Hour Rush (24 Hours \$25.00 per sample)
- Non-rush (5 Working Days \$17.00 per sample)

Name of location sample was taken at Provo Regional Center
 Street address sample was taken at 150 East Center Street Provo, UT
 Sampled by: Michael Scott Sampled Date 9/9/15
 Project # Work Order # Purchase Order # AL157595 Job # _____

Report to be sent to: Michael Scott
 Company: TERRACON Consultants, Inc.
 Address: 640 E. Wilmington Ave.
 City: SLC State: UT
 Zip Code: 84106
 Telephone #: 801-466-2223
 Fax #: 801-466-9666
 E-mail: mike.scott@terracon.com

Billing to be sent to: _____
 Company: (Circled) SAME
 Address: _____
 City: _____ State: _____
 Zip Code: _____
 Telephone #: _____
 Addition Instructions: _____

Field #	Description of Sample	Samples Collected		Lab #
		Date	Time	
01-CA1-01	Silver window caulk	9/9/15	Pm	26229
↓ ↓ -02	↓			26230
↓ ↓ -03	↓			26231
02-M63-04	Tan/green Covebase w/green mastic			26232
↓ ↓ -05	↓			26233
↓ ↓ -06	↓			26234
03-M63-07	Green Covebase w/ tan mastic			26235
↓ ↓ -08	↓			26236
↓ ↓ -09	↓			26237

Chain of Custody

Submission of asbestos samples for analysis and/or signing a chain of custody is the equivalent of submission of a purchase order and constitutes an agreement to pay for services provided at Dixon Information Incorporated standard schedule of fees for services.

Submitted by: [Signature]
 Received by Lab: _____
 Received by Analyst: [Signature]
 Returned by Lab: _____

Date: 9/10/15 Time: 11:50
 Date: 9/10/15 Time: 11:52
 Date: 9-16-15 Time: 2046
 Date: _____ Time: _____

Dixon Information Inc.
78 West 2400 South
South Salt Lake, Utah 84115
Phone: (801) 486-0800 Fax: (801) 486-0849

BULK ANALYTICAL REQUEST FORM

Turnaround Time - Check One

Batch Number 130127

Same Day Rush (12 Hours \$35.00 per sample)

24 Hour Rush (24 Hours \$25.00 per sample)

Non-rush (5 Working Days \$17.00 per sample)

Name of location sample was taken at Provo Regional Center
Street address sample was taken at 150 East Center Street Provo, UT
Sampled by: Michael Scott Sampled Date 9/9/15
 Project # Work Order # Purchase Order # AL157595 Job # _____

Report to be sent to: Mike Scott
Company: TERRACON
Address: _____
City: _____ State: _____
Zip Code: _____
Telephone #: _____
Fax #: _____
E-mail: _____

Billing to be sent to: _____
Company: SAME
Address: _____
City: _____ State: _____
Zip Code: _____
Telephone #: _____
Addition Instructions: _____

Field #	Description of Sample	Samples Collected		Lab #
		Date	Time	
04-PL1-10	white wall texturing	9/9/15	Pm	26238
-11				26239
-12				26240
-13				26241
-14				26242
-15				26243
-16				26244
05-MG-17	yellow/weathered yellow			26245
-18	carpet glue			26246
-19				26247

Chain of Custody

Submission of asbestos samples for analysis and/or signing a chain of custody is the equivalent of submission of a purchase order and constitutes an agreement to pay for services provided at Dixon Information Incorporated standard schedule of fees for services.

Submitted by: [Signature]
Received by Lab: [Signature]
Received by Analyst: [Signature]
Returned by Lab: [Signature]

Date: 9/10/15 Time: 11:50
Date: 9/10/15 Time: 11:52
Date: 9-16-15 Time: 2040
Date: 9-17-15 Time: 0730

Appendix "A"

"This report relates only to the items tested. This report must not be used to claim product endorsement by NVLAP or AIHA"

NVLAP and AIHA requires laboratories to state the condition of samples received for testing: These samples are in acceptable condition for analysis unless there is a statement in the report of analysis that a test item has some characteristics or condition that precludes analysis or requires a modification of standard analytical methodology. If a test item is not acceptable, the reasons for non-acceptability will be given under the laboratory number for that particular test item. The reported percentages of each material type are based on the sample received by the laboratory and may not be representative of the parent material. Orientation of top and bottom may not be specified due to uncertainty of orientation.

Methods of Analysis and Limit of Detection

In air count analysis, the results may be biased when interferences are noted.

The accuracy of asbestos analysis in bulk samples increases with increasing concentration of asbestos. Pigments, binders, small sample size and multiple layers may affect the analysis sensitivity.

There are two methods for analysis of asbestos in a bulk test sample. Visual estimation is the most sensitive method. If an analyst makes a patient search, 0.1% or less asbestos can be detected in a bulk sample.

The second method of analysis is a statistical approach called point counting. EPA will not accept visual estimations if a laboratory detects a trace of asbestos in a sample i.e. anything less than 1% asbestos. Government agencies regulate asbestos containing materials (ACM) whenever the ACM is more than 1%. OSHA requirements apply on samples containing any amount of asbestos.

Due to the higher charge for a point count analysis, Dixon Information Inc. does not perform a point count unless authorized to do so by the customer. If a sample is point counted, when possible, various chemical and/or physical means may be used to concentrate the asbestos in the sample. This is permitted by the EPA method and it increases the accuracy of the analysis.

APPENDIX C

PCB Analytical Results



Mike Scott
Terracon, Inc. -SLC
14850 S. Pony Express Rd., Suite 150 North
Bluffdale, UT 84065
TEL: (801) 545-8500

RE: Provo Regional Center / AL157595

Dear Mike Scott:

Lab Set ID: 1509217

3440 South 700 West
Salt Lake City, UT 84119

American West Analytical Laboratories received sample(s) on 9/10/2015 for the analyses presented in the following report.

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, Wyoming, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

The sample receipt temperature exceeded the recommended USEPA limits.

Thank You,

Approved by: _____
Laboratory Director or designee



ORGANIC ANALYTICAL REPORT

Client: Terracon, Inc. -SLC
Project: Provo Regional Center / AL157595
Lab Sample ID: 1509217-001A
Client Sample ID: PRC-PG-01
Collection Date: 9/9/2015
Received Date: 9/10/2015 1126h

Contact: Mike Scott

Test Code: 8082-O

Analytical Results

PCBs by GC/ECD Method 8082A/3580A

Analyzed: 9/11/2015 2203h **Extracted:** 9/10/2015 1533h
Units: mg/kg **Dilution Factor:** 5 **Method:** SW8082A

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Aroclor 1016	12674-11-2	4.81	< 4.81	
Aroclor 1221	11104-28-2	4.81	< 4.81	
Aroclor 1232	11141-16-5	4.81	< 4.81	
Aroclor 1242	53469-21-9	4.81	< 4.81	
Aroclor 1248	12672-29-6	4.81	< 4.81	
Aroclor 1254	11097-69-1	4.81	< 4.81	
Aroclor 1260	11096-82-5	4.81	< 4.81	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: Decachlorobiphenyl	2051-24-3	0.465	0.2885	161	10-423	
Surr: Tetrachloro-m-xylene	877-09-8	0.286	0.2885	99.3	10-157	

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

*Sulfuric acid cleanup method 3665A utilized for this sample.
The reporting limits were raised due to sample matrix interferences.*

WORK ORDER Summary

Work Order: **1509217** Page 1 of 1

Client: Terracon, Inc. -SLC
Client ID: TER200
Project: Provo Regional Center / AL157595
Comments: PA Rush;

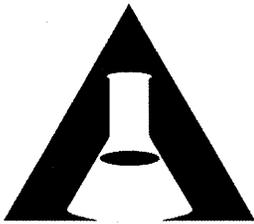
Contact: Mike Scott
QC Level: I

Due Date: 9/21/2015

WO Type: Standard



Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1509217-001A	PRC-PG-01	9/9/2015	9/10/2015 1126h	3580-PCBS-WASTE-O	Oil		Walkin-PCB
				8082-O			Walkin-PCB
<i>Test Group: 8082-O-PCB; # of Analytes: 7 / # of Surr: 2</i>							



**American West
Analytical Laboratories**

3440 S. 700 W. Salt Lake City, UT 84119
 Phone # (801) 263-8686 Toll Free # (888) 263-8686
 Fax # (801) 263-8687 Email awal@awal-labs.com

www.awal-labs.com

CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

1509217
 1509216
 AWAL Lab Sample Set # 9-11-15 of

Client: Terracon Consultants Inc.
 Address: 640 E. Wilmington Ave
Salt Lake City, UT 84106
 Contact: Michael Scott
 Phone #: 801-466-2223 Cell #: 801-574-4862
 Email: mike.scott@terracon.com
 Project Name: Provo Regional Center
 Project #: AL157595
 PO #:
 Sampler Name: Michael Scott

Sample ID	Date Sampled	Time Sampled	QC Level:				Turn Around Time:					Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:	
			1	2	2+	3	3+	1	2	3	4			5
1	9/9/15	Am	1	0	X									
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														

- Report down to the MDL
 Include EDD:
 Lab Filter for:
 Field Filtered For:
- For Compliance With:**
- NELAP
 - RCRA
 - CWA
 - SDWA
 - ELAP / A2LA
 - NLLAP
 - Non-Compliance
 - Other:

- Laboratory Use Only**
- Samples Were:
- Shipped or hand delivered
 - Ambient or Chilled on ice
 - Temperature 9.3 °C
 - Received Broken/Leaking (Improperly Sealed)
Y N
 - Properly Preserved
Y N Checked at bench
 - Received Within Holding Times
Y N

- COC Tape Was:
- Present on Outer Package
Y N NA
 - Unbroken on Outer Package
Y N NA
 - Present on Sample
Y N NA
 - Unbroken on Sample
Y N NA rel 9/10/15
- Discrepancies Between Sample Labels and COC Record?
Y N

Sample ID	Date Sampled	Time Sampled	# of Containers	Sample Matrix
1	9/9/15	Am	1	PCB'S
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

Relinquished by: Signature <u>Michael Scott</u>	Date: <u>9/10/15</u>	Received by: Signature <u>Elana Hayward</u>	Date: <u>9/10/15</u>
Print Name: <u>Michael Scott</u>	Time: <u>11:26</u>	Print Name: <u>Elana Hayward</u>	Time: <u>11:26</u>
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:

Special Instructions:

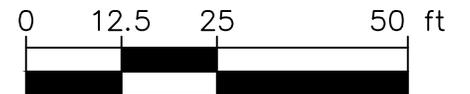
APPENDIX D

Asbestos Sample Location Maps



LEGEND

① SAMPLE LOCATION



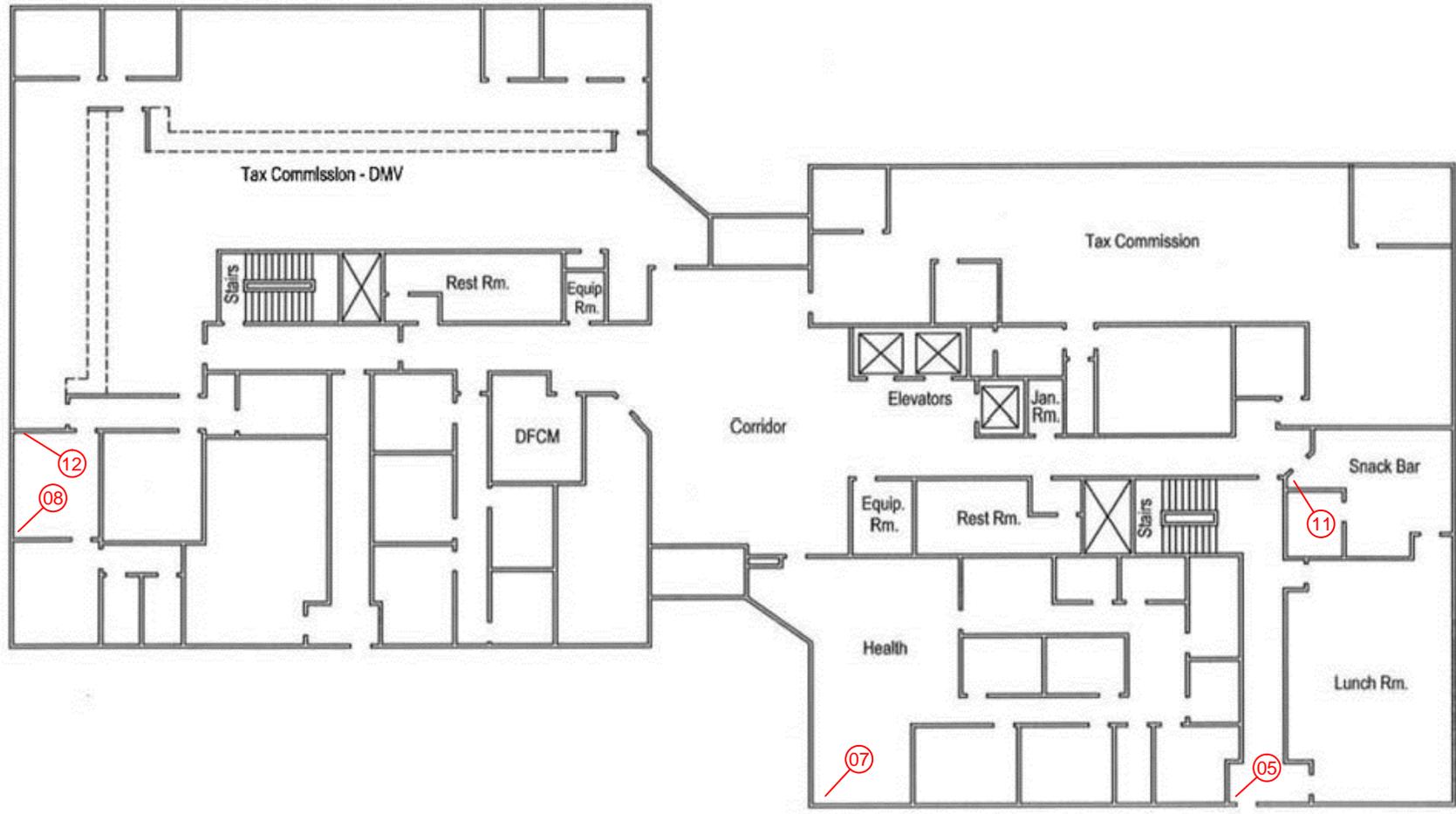
SCALE

Project Mgr:	MWS
Drawn By:	SJB
Checked By:	MWS
Approved By:	JRB
Project No.	AL157595
Scale:	AS SHOWN
File No.	AL157595
Date:	09.09.2015

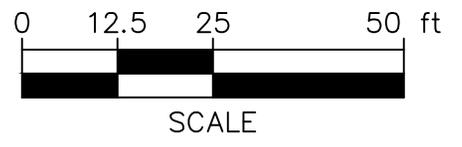
Terracon
 Consulting Engineers & Scientists
 640 East Wilmington Avenue Salt Lake City, Utah
 PH. (801) 466-2223 FAX. (801) 466-9616

Asbestos Sample Locations - Lower Floor
 Provo Regional Center Asbestos Reinspection
 150 East Center Street
 Provo, Utah

EX. No.	1
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LEGEND
 (01) SAMPLE LOCATION

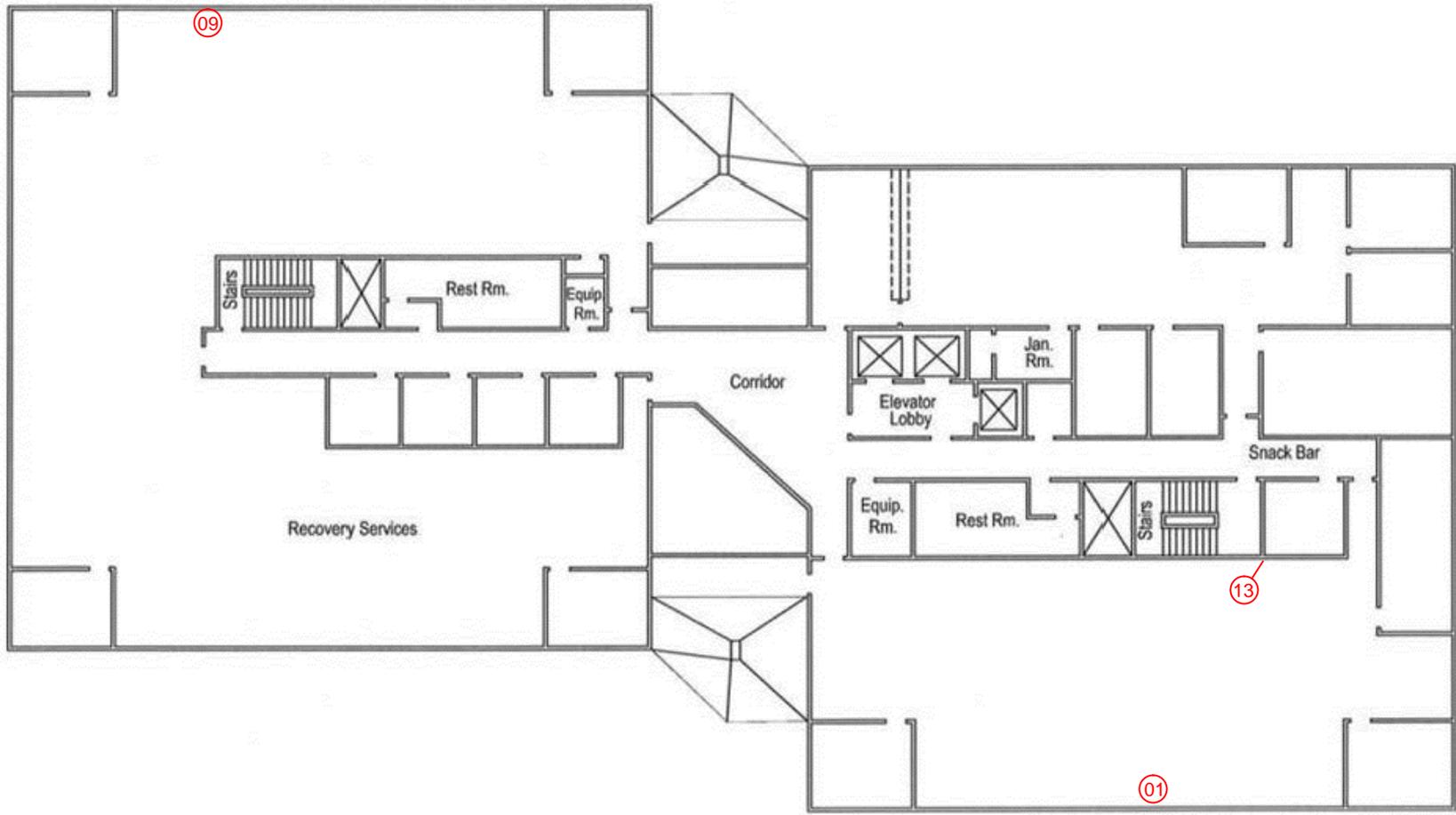


Project Mngr:	MWS	Project No.	AL157595
Drawn By:	SJB	Scale:	AS SHOWN
Checked By:	MWS	File No.	AL157595
Approved By:	JRB	Date:	09.09.2015

Terracon
 Consulting Engineers & Scientists
 640 East Wilmington Avenue Salt Lake City, Utah
 PH. (801) 466-2223 FAX. (801) 466-9616

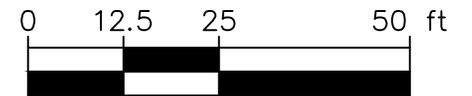
Asbestos Sample Locations - First Floor
 Provo Regional Center Asbestos Reinspection
 150 East Center Street
 Provo, Utah

EX. No.
 2



LEGEND

① SAMPLE LOCATION



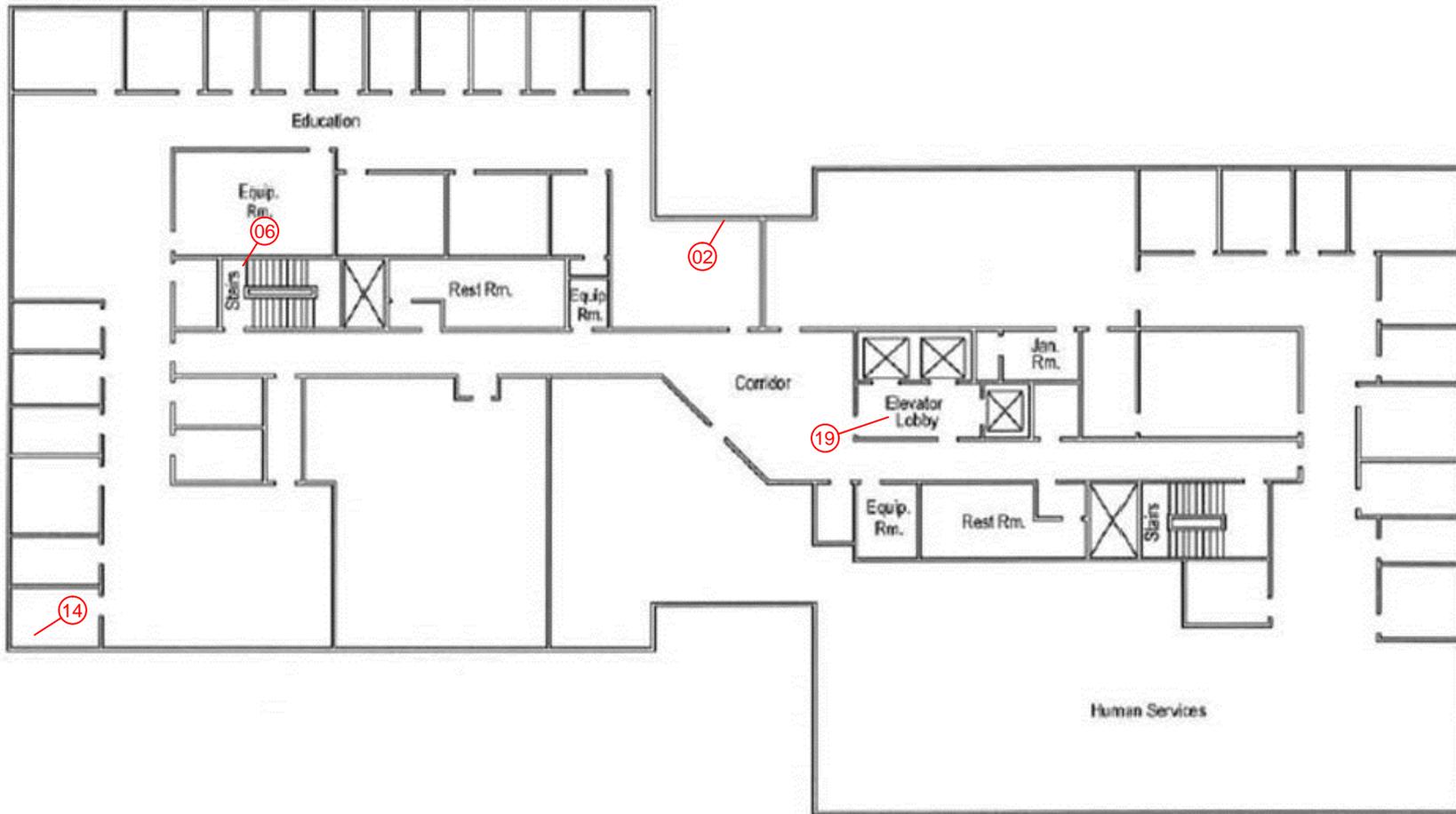
SCALE

Project Mngr:	MWS
Drawn By:	SJB
Checked By:	MWS
Approved By:	JRB
Project No.	AL157595
Scale:	AS SHOWN
File No.	AL157595
Date:	09.09.2015

Terracon
 Consulting Engineers & Scientists
 640 East Wilmington Avenue Salt Lake City, Utah
 PH. (801) 466-2223 FAX. (801) 466-9616

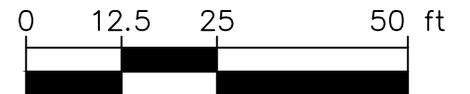
Asbestos Sample Locations - Second Floor
 Provo Regional Center Asbestos Reinspection
 150 East Center Street
 Provo, Utah

EX. No.
3



LEGEND

01 SAMPLE LOCATION



SCALE

Project Mgr:	MWS
Drawn By:	SJB
Checked By:	MWS
Approved By:	JRB
Project No.	AL157595
Scale:	AS SHOWN
File No.	AL157595
Date:	09.09.2015

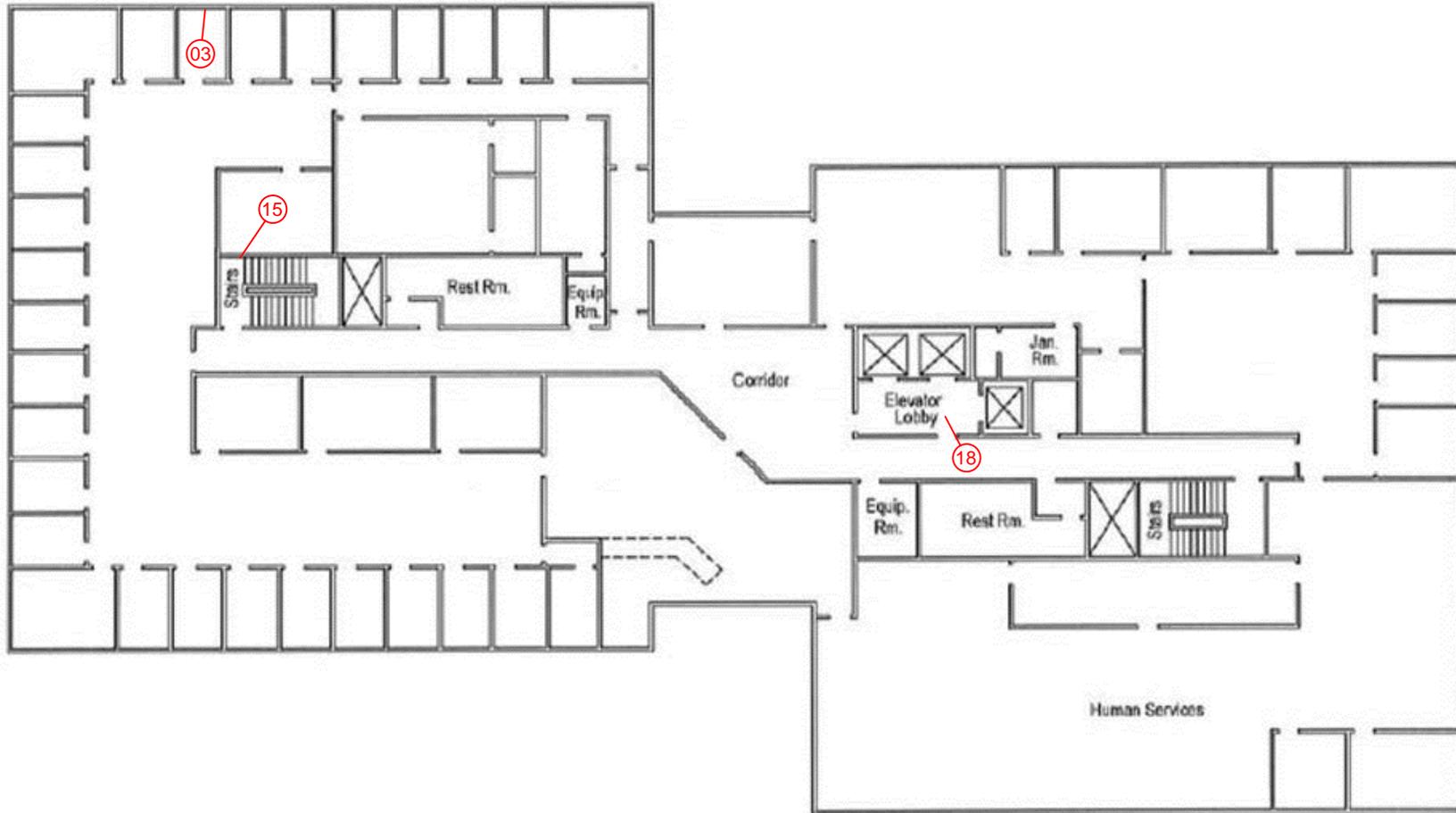
Terracon
 Consulting Engineers & Scientists
 640 East Wilmington Avenue Salt Lake City, Utah
 PH. (801) 466-2223 FAX. (801) 466-9616

Asbestos Sample Locations - Third Floor

Provo Regional Center Asbestos Reinspection
 150 East Center Street
 Provo, Utah

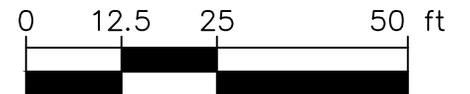
EX. No.

4



LEGEND

① SAMPLE LOCATION



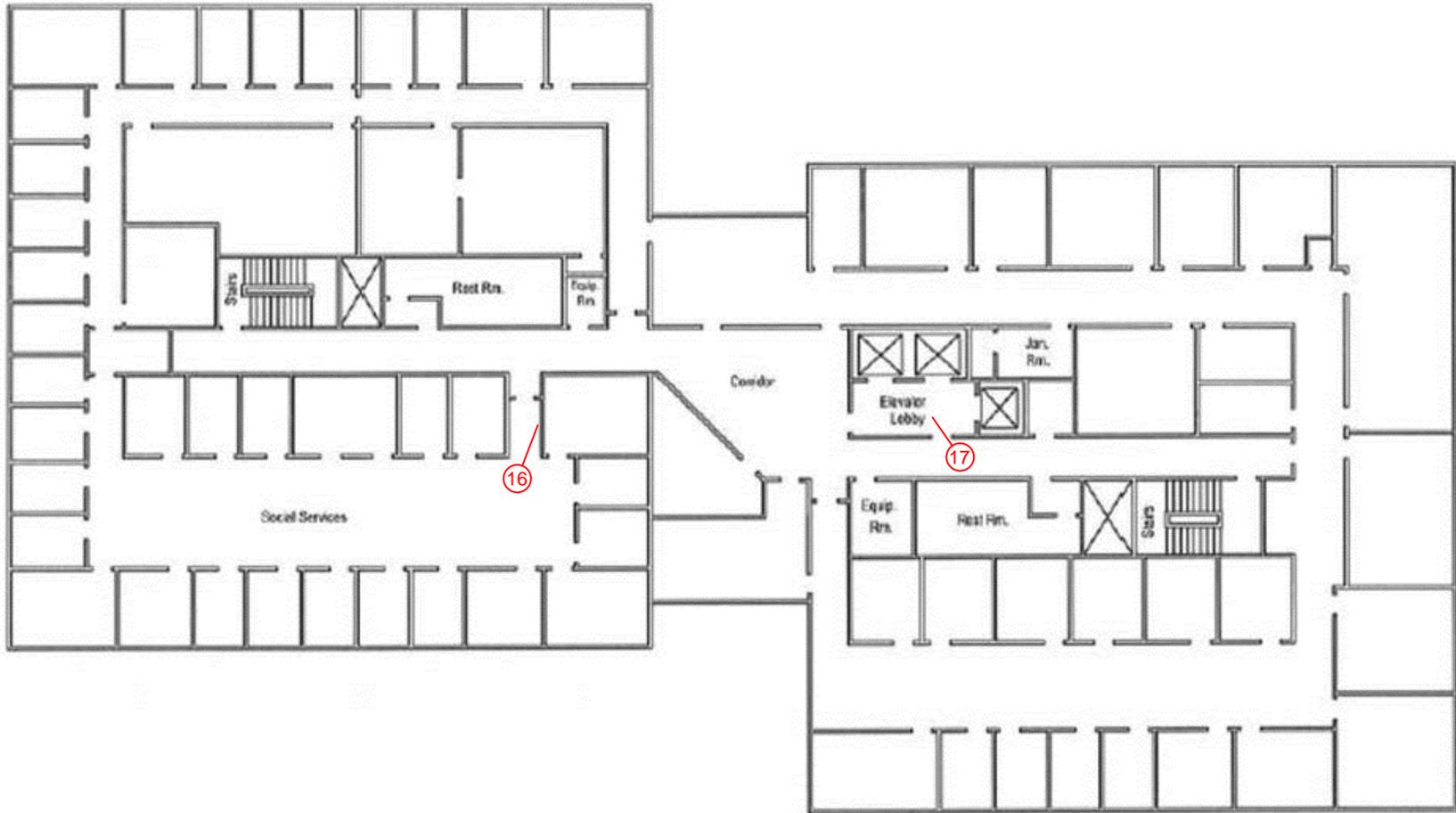
SCALE

Project Mgr:	MWS
Drawn By:	SJB
Checked By:	MWS
Approved By:	JRB
Project No.	AL157595
Scale:	AS SHOWN
File No.	AL157595
Date:	09.09.2015

Terracon
 Consulting Engineers & Scientists
 640 East Wilmington Avenue Salt Lake City, Utah
 PH. (801) 466-2223 FAX. (801) 466-9616

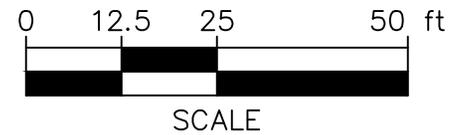
Asbestos Sample Locations - Fourth Floor
 Provo Regional Center Asbestos Reinspection
 150 East Center Street
 Provo, Utah

EX. No.
 5



LEGEND

① SAMPLE LOCATION



Project Mgr:	MWS
Drawn By:	SJB
Checked By:	MWS
Approved By:	JRB
Project No.	AL157595
Scale:	AS SHOWN
File No.	AL157595
Date:	09.09.2015

Terracon
Consulting Engineers & Scientists
640 East Wilmington Avenue Salt Lake City, Utah
PH. (801) 466-2223 FAX. (801) 466-9616

Asbestos Sample Locations - Fifth Floor
Provo Regional Center Asbestos Reinspection
150 East Center Street
Provo, Utah

EX. No.
6

APPENDIX E

Photo Log

Site Photographs

Site Name: Provo Regional Center – Provo, Utah

Building Number: 05374

Terracon Project No. AL157595

Date Taken: September 9, 2015



Photo #1 Provo Regional Center, 150 East Center Street, Utah. View is looking south towards the north elevation of the building.



Photo #2 Sample 01-CA1-01.

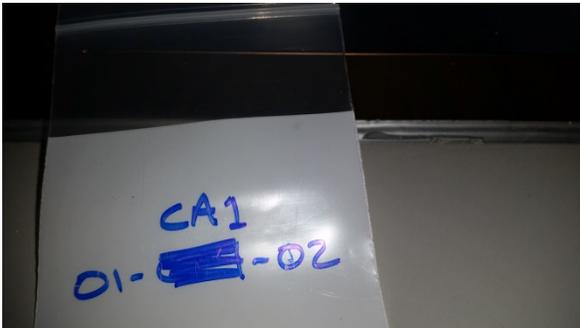


Photo #3 Sample 01-CA1-02.

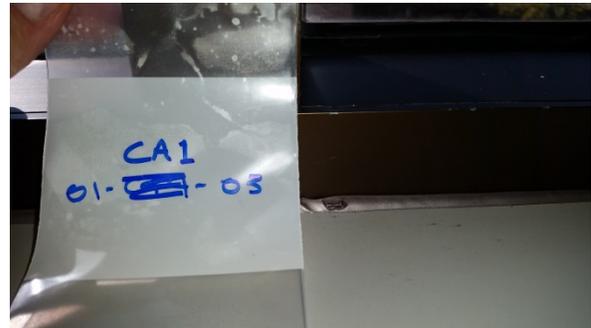


Photo #4 Sample 01-CA1-03.



Photo #5 Sample 02-MG3-04.



Photo #6 Sample 02-MG3-05.

Site Photographs
Site Name: Provo Regional Center – Provo, Utah
Building Number: 05374
Terracon Project No. AL157595
Date Taken: September 9, 2015

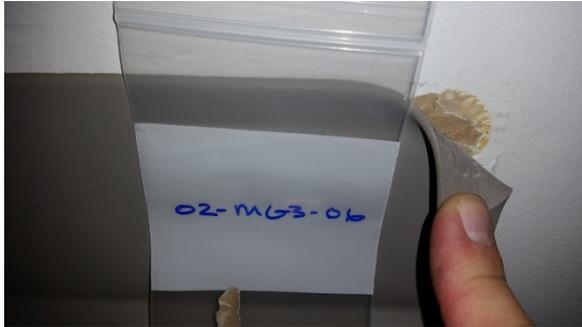


Photo #7 Sample 02-MG3-06.



Photo #8 Sample 03-MG3-07



Photo #9 Sample 03-MG3-08.

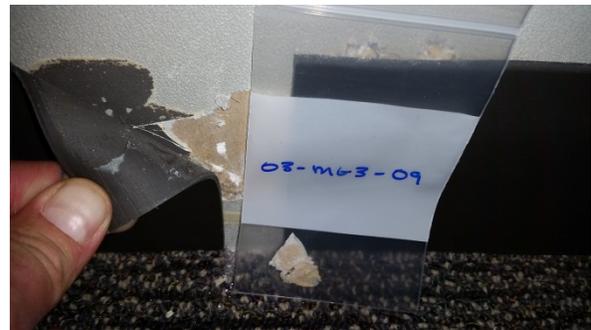


Photo #10 Sample 03-MG3-09



Photo #11 Sample 04-PL1-10.



Photo #12 Sample 04-PL1-11.

Site Photographs
Site Name: Provo Regional Center – Provo, Utah
Building Number: 05374
Terracon Project No. AL157595
Date Taken: September 9, 2015

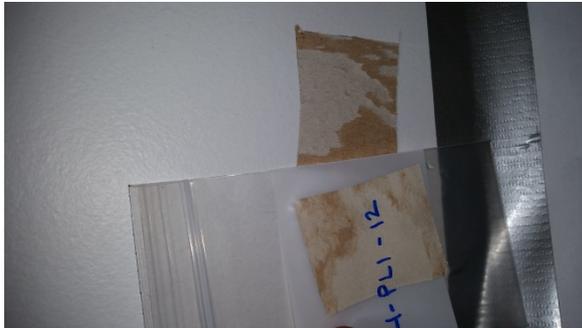


Photo #13 Sample 04-PL1-12.



Photo #14 Sample 04-PL1-13.

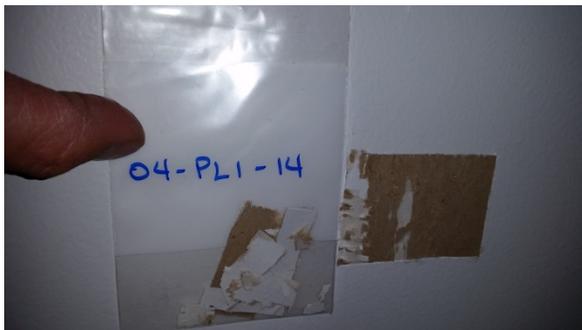


Photo #15 Sample 04-PL1-14.



Photo #16 Sample 04-PL1-15.

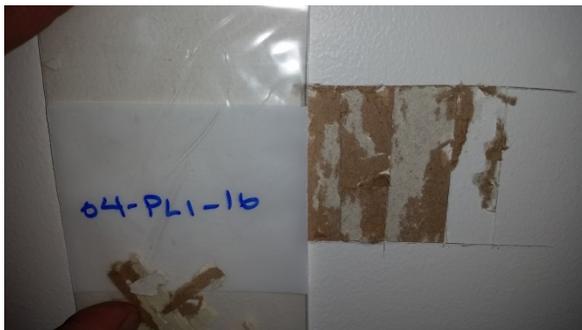


Photo #17 Sample 04-PL1-16.



Photo #18 Sample 05-MG7-17.

Site Photographs

Site Name: Provo Regional Center – Provo, Utah

Building Number: 05374

Terracon Project No. AL157595

Date Taken: September 9, 2015



Photo #19 Sample 05-MG7-18.



Photo #20 Sample 05-MG7-19.

APPENDIX F

Certifications



State of Utah

GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

Department of
Environmental Quality

Amanda Smith
Executive Director

DIVISION OF AIR QUALITY
Bryce C. Bird
Director



DAQA-003-14

December 18, 2014

Kent Wheeler
IHI Environmental, A Terracon Company
640 East Wilmington Avenue
Salt Lake City, UT 84106

Dear Mr. Wheeler:

Re: Utah Asbestos Company Certification Card

The Utah Division of Air Quality (DAQ) has received your Certification Application for Asbestos Company and we are pleased to inform you that your application has been approved. Your new Asbestos company certification card is enclosed with this letter and this card is the sole method of Asbestos company certification documentation that you will receive from the DAQ. Please check the information on your asbestos company certification card carefully and please confirm that the company name and certification expiration date are correct.

Please be aware that your company is certified to perform asbestos projects in accordance with applicable state and federal rules and the use of Utah certified individuals is mandatory. Also, your certification may be revoked or suspended if the Utah certified individual or company are found to be in violation of the asbestos certification and work practices standards found in Utah Administrative Code R307-801 or the National Emission Standard for Asbestos found in Title 40 Code of Federal Regulations Part 61 Subpart M.

If you have any questions about this letter or the enclosed asbestos company certification card, please contact Lisa Gelino-Titcomb at (801) 536-4007 or at lgelino@utah.gov.

Sincerely,

Robert W. Ford, Manager
Air Toxics, Lead-Based Paint, and Asbestos Section

RWF:bt LW



State of Utah

GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

Department of
Environmental Quality

Amanda Smith
Executive Director

DIVISION OF AIR QUALITY
Bryce C. Bird
Director

Utah Asbestos Certification

Michael W. Scott
ASB-2252

Inspector (Exp. 05/08/16)
Management Planner (Exp. 05/08/16)



Bryce C. Bird
Director, Utah Division of Air Quality

DAQA-001-15

May 14, 2015

Michael Scott
IHI Environmental, A Terracon Company
640 East Wilmington Avenue
Salt Lake City, UT 84106

Mr. Scott:

Re: Utah Asbestos Program Individual Certification Card

The Utah Division of Air Quality (DAQ) has reviewed your Utah Asbestos Program Certification Application for Individuals and we are pleased to inform you that your application has been approved. Your new asbestos program individual certification card is enclosed with this letter and this card is the sole method of individual certification documentation that you will receive from the DAQ.

Please check the information on your asbestos program certification card carefully. Please confirm that the photograph, name, and certification discipline(s) are correct. Also, please remember to keep your current asbestos program certification card with you at all times when you are performing regulated asbestos work activities.

If you have any questions regarding this letter or the enclosed asbestos program certification card, please contact Lisa Gelino-Titcomb at (801) 536-4007 or at lgelino@utah.gov.

Sincerely,

Robert W. Ford, Manager
Air Toxics, Lead-Based Paint, and Asbestos Section

RWF:bt

*bt
LW*



UNIVERSITY OF UTAH
SCHOOL OF MEDICINE

Rocky Mountain Center for
Occupational & Environmental Health

Department of Family & Preventive Medicine
391 Chipeta Way, Suite C
Salt Lake City UT 84108
Phone: (801) 581-4055
Fax: (801) 585-5275

THIS CERTIFIES THAT

Michael W. Scott

*HAS COMPLETED THE REQUISITE TRAINING FOR
ASBESTOS ACCREDITATION UNDER TSCA TITLE II*

ATTENDED AN ANNUAL REFRESHER COURSE IN
PRACTICES AND PROCEDURES IN
ASBESTOS ABATEMENT

**Asbestos Inspector/Management Planner
Refresher**

DATE: May 8, 2015
NUMBER: **150569**
EXPIRES: May 8, 2016
CREDITS: 0.80 CEUs / 1.34 ABIH CM Points

A handwritten signature in black ink that reads "Connie Crandall".

Connie Crandall, MBA, MA
Continuing Education Director