

Remodel Building 51-1 Eastside St. Cloud VAMC

VA PROJECT NUMBER: 656-19-307

4801 VETERANS DRIVE
ST CLOUD, MN 56303



TECHNICAL SPECIFICATIONS Volume 3: APPENDICES

ANDERSON ENGINEERING OF MN, LLC
Project Number: 15479

Issue for
Construction Package

AUGUST 23, 2024

ANDERSON

Anderson Engineering of Minnesota, LLC
13605 1st Avenue North
Plymouth, MN 55441
Phone: 763-412-4000 Fax: 763-412-4090

Prepared in association with the following:

Dunham Associates	Institute for Environmental Assessment, Inc
50 South Sixth Street Suite 1100	9201 West Broadway #600
Minneapolis, MN 55402	Brooklyn Park, MN 55445

Remodel Building 51-1 Eastside St. Cloud VAMC
VA PROJECT NUMBER: 656-19-307

APPENDIX A
Report: Asbestos and Lead Inspection Profile

**ASBESTOS & LEAD INSPECTION
PROFILE**

**Building 51 – 1st Floor East Side
Building 48 – 1st Floor West Side**

**St. Cloud VA Medical Center
4801 Veterans Drive
St. Cloud, MN 56303**

December 28, 2023



Submitted to:

**Ed Markfort
Anderson Engineering**

Submitted by:

***Institute for Environmental Assessment
9201 West Broadway North, Suite 600
Brooklyn Park, MN 55445-1922***

763-315-7900 / 800-233-9513

IEA Project #202311198

INDEX

SECTION I

- Asbestos Bulk Sample Summary

SECTION II

- Asbestos Bulk Sample Locations Drawing

SECTION III

- Asbestos Bulk Sample Laboratory Report

SECTION IV

- Lead-Based Paint Inspection Summary

SECTION V

- Lead-Based Paint Inspection Reports

SECTION VI

- Asbestos Inspectors' and Lead Risk Assessor's Licenses

SECTION I

Asbestos Bulk Sample Summary

ASBESTOS BULK SAMPLE SUMMARY

BUILDING 51 – 1ST FLOOR EAST SIDE ST. CLOUD VA MEDICAL CENTER ST. CLOUD, MN 56303

On December 19, 2023, the Institute for Environmental Assessment (IEA) conducted a limited asbestos inspection of areas and materials that will be impacted during renovation, according to drawings supplied by Anderson Engineering, dated January 9, 2023, on the First Floor East Side of Building 51 located at the St. Cloud VA Medical Center. Thirty six (36) bulk samples were collected on December 19, 2023, and analyzed by polarized light microscopy (PLM).

The results are as follows:

Sample #	Location	Material Type	Results
121923ML-01	Hall Near Stairs 122	Sheet Vinyl Flooring and Adhesive	None Detected
121923ML-01	Hall Near Stairs 122	Floor Filler	None Detected
121923ML-02	Hall Near Room 124	Sheet Vinyl Flooring and Adhesive	None Detected
121923ML-03	Lobby Area Near Sink	12" Floor Tile and Mastic – Dark Gray Mottle	None Detected
121923ML-04	Room 124	12" Floor Tile and Mastic – Beige w/Multi-Color	None Detected
121923ML-04	Room 124	Old Black Flooring Mastic	5% Chrysotile
121923ML-04	Room 124	Floor Filler	None Detected
121923ML-05	Room 123	12" Floor Tile and Mastic – Beige w/Multi-Color	None Detected
121923ML-05	Room 123	Old Black Flooring Mastic	5% Chrysotile
121923ML-05	Room 123	Floor Filler	None Detected
121923ML-06	Room 126	12" Floor Tile and Mastic – Beige w/Multi-Color	None Detected
121923ML-07	Room 120	12" Floor Tile and Mastic – Beige Mottle	None Detected
121923ML-07	Room 120	Floor Filler	None Detected
121923ML-08	Lounge/Reception	24" Floor Tile and Mastic – Multi Shaded w/Texture	None Detected
121923ML-09	Lounge/Reception	24" Floor Tile and Mastic – Multi Shaded w/Texture	None Detected
121923ML-09	Lounge/Reception	Floor Filler	None Detected
121923ML-10	Lounge/Reception	Plaster - Wall	None Detected
121923ML-11	Room 124	Plaster - Ceiling	None Detected
121923ML-12	Lounge/Reception	2'x2' Ceiling Tile – Small Dents w/ Pinholes	None Detected
121923ML-13	Lounge/Reception	2'x2' Ceiling Tile – Dents, Gouges w/ Pinholes	None Detected
121923ML-14	Hall Near Room 126	Gray Duct Caulk	None Detected
121923ML-15	Hall Near Room 118	Gray Duct Caulk	None Detected
121923ML-16	Hall Near Room 112	Red Fire Stop	None Detected
121923ML-17	Lounge/Reception	Red Fire Stop	None Detected
121923ML-18	Room 110	Fixture Caulk	None Detected
121923ML-19	Room 111 Restroom	Fixture Caulk	None Detected
121923ML-20	Room 118	2'x2' Gypsum Ceiling Tile	None Detected
121923ML-21	Room 118	Black Wall Coating	None Detected
121923ML-22	Lounge/Reception	Black Wall Coating	None Detected
121923ML-23	Lounge/Reception	Black Wall Coating	None Detected
121923ML-24	Room 110	Security Window Caulk	None Detected
121923ML-25	Room 117	Security Window Caulk	None Detected

Sample #	Location	Material Type	Results
121923ML-26	Lounge/Reception	White Penetration Filler	None Detected
121923ML-27	Lounge/Reception	White Penetration Filler	None Detected
121923ML-28	Room 111	Baseboard & Adhesive – 4” Dark Brown	None Detected
121923ML-29	Lounge/Reception	Baseboard & Adhesive – 4” Dark Brown	None Detected
121923ML-30	Lounge/Reception	Sheetrock and Taping Compound	None Detected
121923ML-31	Lounge/Reception	Vinyl Wall Covering	None Detected
121923ML-32	Room 113	Baseboard & Adhesive – 4” Light Brown	None Detected
121923ML-33	Room 128	Baseboard & Adhesive – 4” Light Brown	None Detected
121923ML-34	Room 121 Restroom	2”x2” Ceramic Floor Tile System	None Detected
121923ML-35	Room 121 Restroom	4”x4” Ceramic Wall Tile System - White	None Detected
121923ML-36	Room 126	4”x4” Ceramic Wall Tile System - Tan	None Detected
101519BD-01	Room 119	2”x2” Ceramic Floor Tile System	None Detected
101519BD-02	Room 119	4”x4” Ceramic Wall Tile System - White	None Detected
101519BD-03	Room 119	Transite Panels in Convactor Unit	40% Chrysotile

The purpose of the inspection was to sample all suspect materials that were not previously identified in asbestos inspection reports supplied under separate cover. Any suspect materials not identified in the above referenced table or not identified in previous asbestos inspection survey reports that are uncovered prior to or during renovation should be assumed to contain asbestos or sampled.

Asbestos sample location map can be found in Section II. Asbestos laboratory report can be found in Section III

SECTION II

Asbestos Bulk Sample Locations Drawing

SECTION III

Asbestos Laboratory Report



EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / minneapolislab@emsl.com

EMSL Order: 352311307

Customer ID: IFEA50

Customer PO:

Project ID:

Attention: Emma Squires-Sperling

Inst. For Environmental Assessment

9201 West Broadway

Suite 600

Brooklyn Park, MN 55445

Project: 202311198- Building 51

Phone: (763) 315-7927

Fax: (763) 315-7920

Received Date: 12/20/2023 2:45 PM

Analysis Date: 12/22/2023

Collected Date: 12/19/2023

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos	
			% Fibrous	% Non-Fibrous	% Type	None Detected
121923MC-01-Floor Tile 352311307-0001	Hall near Stair 122, Sheet Vinyl Flooring & Mastic	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-01-Brow n Layer 352311307-0001A	Hall near Stair 122, Sheet Vinyl Flooring & Mastic	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-01-Gray Layer 352311307-0001B	Hall near Stair 122, Sheet Vinyl Flooring & Mastic	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-02-Floor Tile 352311307-0002	Hall near rm 122, Sheet Vinyl Flooring & Mastic	Tan/White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-02-Masti c 352311307-0002A	Hall near rm 122, Sheet Vinyl Flooring & Mastic	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-03-Floor Tile 352311307-0003	Lobby near sink, 12" Floor Tile & Mastic- Dark Gray Mottle	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-03-Masti c 352311307-0003A	Lobby near sink, 12" Floor Tile & Mastic- Dark Gray Mottle	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-04-Floor Tile 352311307-0004	Rm 124, 12" Floor Tile & Mastic- Beige w/ Multi-Color	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-04-Tan Mastic 352311307-0004A	Rm 124, 12" Floor Tile & Mastic- Beige w/ Multi-Color	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP. NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 12/22/2023 16:24:49

Printed: 12/22/2023 4:24:51 PM



EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / minneapolislab@emsl.com

EMSL Order: 352311307

Customer ID: IFEA50

Customer PO:

Project ID:

Attention: Emma Squires-Sperling

Inst. For Environmental Assessment

9201 West Broadway

Suite 600

Brooklyn Park, MN 55445

Project: 202311198- Building 51

Phone: (763) 315-7927

Fax: (763) 315-7920

Received Date: 12/20/2023 2:45 PM

Analysis Date: 12/22/2023

Collected Date: 12/19/2023

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos	
			% Fibrous	% Non-Fibrous	% Type	% Type
121923MC-04-Black Mastic 352311307-0004B	Rm 124, 12" Floor Tile & Mastic- Beige w/ Multi-Color	Black Non-Fibrous Homogeneous		95.0% Non-fibrous (Other)	5% Chrysotile	
121923MC-04-Filler 352311307-0004C	Rm 124, 12" Floor Tile & Mastic- Beige w/ Multi-Color	Tan/White Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected	
121923MC-05-Floor Tile 352311307-0005	Rm 123, 12" Floor Tile & Mastic- Beige w/ Multi-Color	White Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected	
121923MC-05-Tan Mastic 352311307-0005A	Rm 123, 12" Floor Tile & Mastic- Beige w/ Multi-Color	Tan Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected	
121923MC-05-Black Mastic 352311307-0005B	Rm 123, 12" Floor Tile & Mastic- Beige w/ Multi-Color	Black Non-Fibrous Homogeneous	95.0% Non-fibrous (Other)		5% Chrysotile	
121923MC-05-Filler 352311307-0005C	Rm 123, 12" Floor Tile & Mastic- Beige w/ Multi-Color	Gray/White Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected	
121923MC-06-Floor Tile 352311307-0006	Rm 126, 12" Floor Tile & Mastic- Beige w/ Multi-Color	Tan/White Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected	
121923MC-06-Masti c 352311307-0006A	Rm 126, 12" Floor Tile & Mastic- Beige w/ Multi-Color	Tan Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected	
121923MC-07-Floor Tile 352311307-0007	Rm 120, 12" Floor Tile & Mastic- Beige Mottle	White Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected	

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP. NIST or any agency of the federal government. Non-fibrous organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 12/22/2023 16:24:49

Printed: 12/22/2023 4:24:51 PM



EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / minneapolislab@emsl.com

EMSL Order: 352311307

Customer ID: IFEA50

Customer PO:

Project ID:

Attention: Emma Squires-Sperling

Inst. For Environmental Assessment

9201 West Broadway

Suite 600

Brooklyn Park, MN 55445

Project: 202311198- Building 51

Phone: (763) 315-7927

Fax: (763) 315-7920

Received Date: 12/20/2023 2:45 PM

Analysis Date: 12/22/2023

Collected Date: 12/19/2023

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos	
			% Fibrous	% Non-Fibrous	% Type	% Type
121923MC-07-Masti c 352311307-0007A	Rm 120, 12" Floor Tile & Mastic- Beige Mottle	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-07-Filler 352311307-0007B	Rm 120, 12" Floor Tile & Mastic- Beige Mottle	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-08-Floor Tile 352311307-0008	Lobby/Reception, 24" Floor Tile & Mastic- Multi-Shade w/ Texture	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-08-Masti c 352311307-0008A	Lobby/Reception, 24" Floor Tile & Mastic- Multi-Shade w/ Texture	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-09-Floor Tile 352311307-0009	Lobby/Reception, 24" Floor Tile & Mastic- Multi-Shade w/ Texture	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-09-White Mastic 352311307-0009A	Lobby/Reception, 24" Floor Tile & Mastic- Multi-Shade w/ Texture	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-09-Filler 352311307-0009B	Lobby/Reception, 24" Floor Tile & Mastic- Multi-Shade w/ Texture	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-09-Tan Mastic 352311307-0009C	Lobby/Reception, 24" Floor Tile & Mastic- Multi-Shade w/ Texture	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-10-Gray Layer 352311307-0010	Lobby/Reception, Plaster- Wall	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP. NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 12/22/2023 16:24:49

Printed: 12/22/2023 4:24:51 PM



EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / minneapolislab@emsl.com

EMSL Order: 352311307

Customer ID: IFEA50

Customer PO:

Project ID:

Attention: Emma Squires-Sperling

Inst. For Environmental Assessment

9201 West Broadway

Suite 600

Brooklyn Park, MN 55445

Project: 202311198- Building 51

Phone: (763) 315-7927

Fax: (763) 315-7920

Received Date: 12/20/2023 2:45 PM

Analysis Date: 12/22/2023

Collected Date: 12/19/2023

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos	
			% Fibrous	% Non-Fibrous	% Type	None Detected
121923MC-10-White Layer 352311307-0010A	Lobby/Reception, Plaster- Wall	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-11-Light Gray 352311307-0011	Rm 124, Plaster- Ceiling	Gray/White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-11-Dark Gray 352311307-0011A	Rm 124, Plaster- Ceiling	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-12 352311307-0012	Lounge/Reception, 2'x2' Ceiling Tile- Small Dots w/ Pinholes	Gray/White Fibrous Homogeneous	40% Cellulose 40% MinWool	10% Perlite 10.0% Non-fibrous (Other)		None Detected
121923MC-13 352311307-0013	Lounge/Reception, 2'x2' Ceiling Tile- Dots, gouges & Pinholes	Gray/White Fibrous Homogeneous	40% Cellulose 40% MinWool	10% Perlite 10.0% Non-fibrous (Other)		None Detected
121923MC-14 352311307-0014	Hall near rm 126, Gray Duct Caulk	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-15 352311307-0015	Hall near rm 118, Gray Duct Caulk	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-16 352311307-0016	Hall near rm 112, Red Fire Stop	Red/Black Non-Fibrous Homogeneous	5% Glass	95.0% Non-fibrous (Other)		None Detected
121923MC-17 352311307-0017	Lounge/Reception, Red Fire Stop	Red/Black Non-Fibrous Homogeneous	5% Glass	95.0% Non-fibrous (Other)		None Detected

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP. NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 12/22/2023 16:24:49

Printed: 12/22/2023 4:24:51 PM



EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / minneapolislab@emsl.com

EMSL Order: 352311307

Customer ID: IFEA50

Customer PO:

Project ID:

Attention: Emma Squires-Sperling

Inst. For Environmental Assessment

9201 West Broadway

Suite 600

Brooklyn Park, MN 55445

Project: 202311198- Building 51

Phone: (763) 315-7927

Fax: (763) 315-7920

Received Date: 12/20/2023 2:45 PM

Analysis Date: 12/22/2023

Collected Date: 12/19/2023

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos	
			% Fibrous	% Non-Fibrous	% Type	
121923MC-18 352311307-0018	Rm 110, Fixture Caulk	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-19 352311307-0019	Rm 111 RR, Fixture Caulk	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-20 352311307-0020	Rm 118, 2'x2' Gypsum Ceiling Tile	Brown/White Fibrous Homogeneous	10% Cellulose 2% Glass	88.0% Non-fibrous (Other)		None Detected
121923MC-21 352311307-0021	Rm 118, 2'x2' Gypsum Ceiling Tile	Brown/White Fibrous Homogeneous	10% Cellulose 2% Glass	88.0% Non-fibrous (Other)		None Detected
121923MC-22 352311307-0022	Lounge/Reception, Black Wall Coating	Gray/Black Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-23 352311307-0023	Lounge/Reception, Black Wall Coating	Gray/Black Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-24 352311307-0024	Rm 110, Security Window Caulk	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-25 352311307-0025	Rm 117, Security Window Caulk	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-26 352311307-0026	Lounge/Reception, White Penetration Filler- At Ceiling	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP. NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 12/22/2023 16:24:49

Printed: 12/22/2023 4:24:51 PM



EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / minneapolislab@emsl.com

EMSL Order: 352311307
Customer ID: IFEA50
Customer PO:
Project ID:

Attention: Emma Squires-Sperling
Inst. For Environmental Assessment
9201 West Broadway
Suite 600
Brooklyn Park, MN 55445
Project: 202311198- Building 51

Phone: (763) 315-7927
Fax: (763) 315-7920
Received Date: 12/20/2023 2:45 PM
Analysis Date: 12/22/2023
Collected Date: 12/19/2023

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos	
			% Fibrous	% Non-Fibrous	% Type	
121923MC-27 352311307-0027	Lounge/Reception, White Penetration Filler- At Ceiling	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected	
121923MC-28-Base board 352311307-0028	Rm 111, Baseboard & Adhesive- 4" Dark Brown	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected	
121923MC-28-Adhe sive 352311307-0028A	Rm 111, Baseboard & Adhesive- 4" Dark Brown	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected	
121923MC-29-Base board 352311307-0029	Reception, Baseboard & Adhesive- 4" Dark Brown	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected	
121923MC-29-Adhe sive 352311307-0029A	Reception, Baseboard & Adhesive- 4" Dark Brown	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected	
121923MC-29-Wrap 352311307-0029B	Reception, Baseboard & Adhesive- 4" Dark Brown	Tan/White/Purple Fibrous Homogeneous	50% Cellulose	50.0% Non-fibrous (Other)	None Detected	
Adhesive include in analysis						
121923MC-30 352311307-0030	Reception, Sheetrock & Taping Compound	Brown/White Fibrous Homogeneous	10% Cellulose 2% Glass	88.0% Non-fibrous (Other)	None Detected	
This is a composite result of sheetrock, taping compound, and tape						
121923MC-31 352311307-0031	Reception/Lounge, Vinyl Wall Coating	Gray/White Fibrous Homogeneous	50% Cellulose	50.0% Non-fibrous (Other)	None Detected	
121923MC-32-Base board 352311307-0032	Rm 113, Baseboard & Adhesive- 4" light Brown	Brown/Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected	

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP. NIST or any agency of the federal government. Non-fibrous organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 12/22/2023 16:24:49

Printed: 12/22/2023 4:24:51 PM



EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / minneapolislab@emsl.com

EMSL Order: 352311307

Customer ID: IFEA50

Customer PO:

Project ID:

Attention: Emma Squires-Sperling

Inst. For Environmental Assessment

9201 West Broadway

Suite 600

Brooklyn Park, MN 55445

Project: 202311198- Building 51

Phone: (763) 315-7927

Fax: (763) 315-7920

Received Date: 12/20/2023 2:45 PM

Analysis Date: 12/22/2023

Collected Date: 12/19/2023

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos	
			% Fibrous	% Non-Fibrous	% Type	None Detected
121923MC-32-Adhe sive 352311307-0032A	Rm 113, Baseboard & Adhesive- 4" light Brown	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		
121923MC-33-Base board 352311307-0033	Rm 128, Baseboard & Adhesive- 4" light Brown	Brown/Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		
121923MC-33-Adhe sive 352311307-0033A	Rm 128, Baseboard & Adhesive- 4" light Brown	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		
121923MC-34-Cera mic Tile 352311307-0034	Rm 121 RR, 2"x2" Ceramic Floor Tile System	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		
121923MC-34-Grout 352311307-0034A	Rm 121 RR, 2"x2" Ceramic Floor Tile System	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		
121923MC-34-Beige Layer 352311307-0034B	Rm 121 RR, 2"x2" Ceramic Floor Tile System	Beige Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		
121923MC-34-Adhe sive 352311307-0034C	Rm 121 RR, 2"x2" Ceramic Floor Tile System	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		
121923MC-35-Cera mic Tile 352311307-0035	Rm 121 RR, 4"x4" Ceramic Wall Tile System- White	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		
121923MC-35-Grout 352311307-0035A	Rm 121 RR, 4"x4" Ceramic Wall Tile System- White	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP. NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 12/22/2023 16:24:49

Printed: 12/22/2023 4:24:51 PM



EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / minneapolislab@emsl.com

EMSL Order: 352311307
Customer ID: IFEA50
Customer PO:
Project ID:

Attention: Emma Squires-Sperling
Inst. For Environmental Assessment

9201 West Broadway

Suite 600

Brooklyn Park, MN 55445

Project: 202311198- Building 51

Phone: (763) 315-7927
Fax: (763) 315-7920
Received Date: 12/20/2023 2:45 PM
Analysis Date: 12/22/2023
Collected Date: 12/19/2023

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos	
			% Fibrous	% Non-Fibrous	% Type	% Type
121923MC-35-Adhesive 352311307-0035B	Rm 121 RR, 4"x4" Ceramic Wall Tile System- White	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-36-Ceramic Tile 352311307-0036	Rm 126, 4"x4" Ceramic Wall Tile System- Tan	Tan/White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
121923MC-36-Texture 352311307-0036A	Rm 126, 4"x4" Ceramic Wall Tile System- Tan	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP. NIST or any agency of the federal government. Non-fibrous organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 12/22/2023 16:24:49

ASB-FLAWING-0007-0001 Printed:12/22/2023 4:24:51PM



EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427
Tel/Fax: (763) 449-4922 / (763) 449-4924
<http://www.EMSL.com> / minneapolislab@emsl.com

EMSL Order: 352311307
Customer ID: IFEA50
Customer PO:
Project ID:

Attention: Emma Squires-Sperling
Inst. For Environmental Assessment

9201 West Broadway

Suite 600

Brooklyn Park, MN 55445

Project: 202311198- Building 51

Phone: (763) 315-7927
Fax: (763) 315-7920
Received Date: 12/20/2023 2:45 PM
Analysis Date: 12/22/2023
Collected Date: 12/19/2023

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date: 12/20/2023

Sample Receipt Time: 2:45 PM

Analysis Completed Date: 12/22/2023

Analysis Completed Time: 3:50 PM

Analyst(s):

Nicholas Asuncion PLM (66)

Samples Reviewed and approved by:

Rachel Travis, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 12/22/2023 16:24:49

ASB_PLMwSigs_0007_0001 Printed:12/22/2023 4:24:51PM



9201 West Broadway North, Suite 600
Brooklyn Park, MN 55443
(763) 315-7900
1-800-233-9513

11307

CHAIN OF CUSTODY

Page 1 of 3

Client # _____ Project # 20231198

Building Name Building 51

Shaded Areas are for
Laboratory Use Only!

Client Anderson Engineering

Project Name _____

Address _____

Contact Person _____

IEA Project Manager _____

Other Information _____

Verbal results to Emma Squires

Phone, Fax No. or E-Mail _____

TAT (circle) 6 hr 24 hr 48 hr 72 hr 96 hr Specify _____

Verbal results relayed to _____

Verbal results relayed by _____

Date _____

Time _____

Analysis location: ☐ On Site ☐ Lab ☐ Regional Office ☒ Other ENSL

Sample #	Work Area or Phase #	Sample Description/Location	Sample type or Material code	Volume	Matrix type			Analysis requested				Filter type		
					Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	.8 um	.45 um
121923 MK-01	Hallway Stair 122	Sheet vinyl Flooring + mastic	KTA		☐	☒	☐	☐	☒	☐		☐	☐	☐
02	Hallway Rm 124	"	KTA		☐	☒	☐	☐	☒	☐		☐	☐	☐
03	Lobby near sink	12" Floor Tile + Mastic - Dark Gray mottle	K2A		☐	☒	☐	☐	☒	☐		☐	☐	☐
04	Rm 124	" - Beige w/ Multi-Color	K2B		☐	☒	☐	☐	☒	☐		☐	☐	☐
05	Rm 123	"	K2B		☐	☒	☐	☐	☒	☐		☐	☐	☐
06	Rm 126	"	K2B		☐	☒	☐	☐	☒	☐		☐	☐	☐
07	Rm 120	12" Floor Tile + Mastic - Beige mottle	K2C		☐	☒	☐	☐	☒	☐		☐	☐	☐
08	Lobby/ Reception	24" Floor Tile + Mastic - Multi-Shape w/ Teak	K3A		☐	☒	☐	☐	☒	☐		☐	☐	☐
09	"	"	K3A		☐	☒	☐	☐	☒	☐		☐	☐	☐
10	Lobby/ Reception	Plaster - wall			☐	☒	☐	☐	☒	☐		☐	☐	☐
11	Rm 124	Plaster - Ceiling			☐	☒	☐	☐	☒	☐		☐	☐	☐
12	Reception	2'x2' Ceiling Tile - small Dents w/ Pinholes			☐	☒	☐	☐	☒	☐		☐	☐	☐
13	"	2'x2' Ceiling Tile - Dents, gouges + Pinholes			☐	☒	☐	☐	☒	☐		☐	☐	☐
14	Hallway Rm 126	Gray Duct Caulk			☐	☒	☐	☐	☒	☐		☐	☐	☐
15	Hallway Rm 12	"			☐	☒	☐	☐	☒	☐		☐	☐	☐

The MN Department of Health Alternative Indoor Air Standard for this project is: _____

F/CC

Batch Number: _____

Samples Acceptable? ☐ Yes ☐ No

Sampled by <u>Matt L. Kelly</u>	Date <u>12/19/23</u>	Time	Delivered by	Date	Time	Received by lab <u>MKE (ENSL-MN)</u>	Date <u>12/20/23</u>	Time <u>14:45</u>	Entered by	Date	Time
Received by	Date	Time	Delivered by	Date	Time	Analysis by <u>WJ</u>	Date	Time	Delivered by	Date	Time



9201 West Broadway North, Suite 600
Brooklyn Park, MN 55445
(763) 315-7900
1-800-233-9513

11307

CHAIN OF CUSTODY

Page 2 of 3

Client # _____ Project # 202311A8

Building Name Building 51

Shaded Areas are for
Laboratory Use Only!

Client Anderson Engineering

Project Name _____

Address _____

Contact Person _____

IEA Project Manager _____

Other Information _____

Verbal results to Emma Squires

Phone, Fax No. or E-Mail _____

TAT (circle) 6 hr 24 hr 48 hr 72 hr 96 hr Specify _____

Verbal results relayed to _____

Verbal results relayed by _____

Date _____

Time _____

Analysis location: ☐ On Site ☐ Lab ☐ Regional Office ☒ Other EMSL

Sample #	Work Area or Phase #	Sample Description/Location	Sample type or Material code	Volume	Matrix type			Analysis requested				Filter type		
					Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	.8 um	.45 um
121923ML-16	Hallway m 112	Red Fire Stop			☐	☒	☐	☐	☒	☐		☐	☐	☐
17	Longest Reception	" "			☐	☒	☐	☐	☒	☐		☐	☐	☐
18	Rm 110	Exterior Caulk			☐	☒	☐	☐	☒	☐		☐	☐	☐
19	Rm 111B2	" "			☐	☒	☐	☐	☒	☐		☐	☐	☐
20	Rm 118	2'x2' Gypsum Ceiling Tile			☐	☒	☐	☐	☒	☐		☐	☐	☐
21	" "	" "			☐	☒	☐	☐	☒	☐		☐	☐	☐
22	Longest/ Reception	Black Wall Coating			☐	☒	☐	☐	☒	☐		☐	☐	☐
23	" "	" "			☐	☒	☐	☐	☒	☐		☐	☐	☐
24	Rm 110	Security Window Caulk			☐	☒	☐	☐	☒	☐		☐	☐	☐
25	Rm 117	" "			☐	☒	☐	☐	☒	☐		☐	☐	☐
26	Longest/ Reception	White Penetration Filler - At Ceiling			☐	☒	☐	☐	☒	☐		☐	☐	☐
27	" "	" " - At Ceiling			☐	☒	☐	☐	☒	☐		☐	☐	☐
28	Rm 111	Baseboard + Adhesive - 4" Dark Brown			☐	☒	☐	☐	☒	☐		☐	☐	☐
29	Reception	" "			☐	☒	☐	☐	☒	☐		☐	☐	☐
30	" "	Sheetrock + Taping Compound	Composite		☐	☒	☐	☐	☒	☐		☐	☐	☐

The MN Department of Health Alternative Indoor Air Standard for this project is: _____

F/CC: _____

Batch Number: _____

Samples Acceptable? ☐ Yes ☐ No

Sampled by <u>Matt Lindberg</u>	Date <u>12/19/23</u>	Time	Delivered by	Date	Time	Received by lab <u>MDE (EMSL-MN)</u>	Date <u>12/14/23</u>	Time <u>14:45</u>	Entered by	Date	Time
Received by	Date	Time	Delivered by	Date	Time	Analysis by	Date	Time	Delivered by	Date	Time



9201 West Broadway North, Suite 600
Brooklyn Park, MN 55445
(763) 315-7900
1-800-233-9513

11307

CHAIN OF CUSTODY

Page 3 of 3

Client # _____ Project # 202311196

Building Name Building 51

Shaded Areas are for
Laboratory Use Only!

Client Anderson Engineering

Project Name _____

Address _____

Contact Person _____

IEA Project Manager _____

Other Information _____

Verbal results to Emma Squires

Phone, Fax No. or E-Mail _____

TAT (circle) 6 hr 24 hr 48 hr 72 hr 96 hr Specify _____

Verbal results relayed to _____

Verbal results relayed by _____

Date _____

Time _____

Analysis location: ☐ On Site ☐ Lab ☐ Regional Office ☒ Other EMSL

Matrix type

Analysis requested

Filter type

Sample #	Work Area or Phase #	Sample Description/Location	Sample type or Material code	Volume	Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	.8 um	.45 um
121923ML-31	Reception/Lounge	Vinyl wall Coating			☐	☒	☐	☐	☒	☐		☐	☐	☐
32	Rm 113	Baseboard + Adhesive - 4" light Brown			☐	☒	☐	☐	☒	☐		☐	☐	☐
33	Rm 126	" "			☐	☒	☐	☐	☒	☐		☐	☐	☐
34	Rm 1218A	2" x 2" Ceramic Floor Tile System -			☐	☒	☐	☐	☒	☐		☐	☐	☐
35	" "	4' x 4' Ceramic Wall Tile System - white			☐	☒	☐	☐	☒	☐		☐	☐	☐
36	Rm 126	" " - Tan			☐	☒	☐	☐	☒	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐

SECTION IV

Lead-Based Paint Inspection Summary

LEAD-BASED PAINT INSPECTION SUMMARY

Inspection for:	Anderson Engineering
Performed at:	Building 51 – First Floor East Side
Performed by:	Institute for Environmental Assessment
Inspection Dates:	December 19, 2023
Instrument Used:	SciAps X-550 Pb X-Ray Fluorescence (XRF) Analyzer
Serial Number:	X550-01398
Standard:	1.0 mg/cm ²

A total of one hundred and one (101) surfaces were analyzed for lead content utilizing the XRF Analyzer. All samples were given a result of positive or negative for lead (above or below 1.0 mg/cm²), the standard established by the Minnesota Department of Health (MDH) and HUD for lead in paint. Results are located in Section V.

Positive results include:

- ◆ Original Building Window Frame

For purposes of renovation, the renovation contractor must be notified of the lead content in paint. It is the contractor's responsibility to comply with OSHA's Lead in Construction Rule 29 CFR 1926.62. OSHA does not acknowledge the standards established by MDH and HUD and regulates any amount of lead in paint.

Calibration check tests were conducted throughout the inspection using standards with a known lead content of 0.0 mg/cm² to 3.5 mg/cm².

LEAD-BASED PAINT INSPECTION SUMMARY

Inspection for: Anderson Engineering

Performed at: Building 48 – First Floor West Side

Performed by: Institute for Environmental Assessment

Inspection Dates: December 19, 2023

Instrument Used: SciAps X-550 Pb X-Ray Fluorescence (XRF) Analyzer

Serial Number: X550-01398

Standard: 1.0 mg/cm²

A total of forty six (46) surfaces were analyzed for lead content utilizing the XRF Analyzer. All samples were given a result of positive or negative for lead (above or below 1.0 mg/cm²), the standard established by the Minnesota Department of Health (MDH) and HUD for lead in paint. Results are located in Section V.

Positive results include:

- ◆ Original Metal Door Frames

For purposes of renovation, the renovation contractor must be notified of the lead content in paint. It is the contractor's responsibility to comply with OSHA's Lead in Construction Rule 29 CFR 1926.62. OSHA does not acknowledge the standards established by MDH and HUD and regulates any amount of lead in paint.

Calibration check tests were conducted throughout the inspection using standards with a known lead content of 0.0 mg/cm² to 3.5 mg/cm².

SECTION V

Lead-Based Paint Inspection Reports

SCVAMC - Building 51 First Floor

XRF Results

Test #	Date	Room	Component	Substrate	Color	Side	Results	Pb (mg/cm2)
1	12/19/2023		Calibration		Red		Positive	1.1
2	12/19/2023		Calibration		Red		Positive	1.1
3	12/19/2023		Calibration		Red		Positive	1
4	12/19/2023	108	Door Frame	Metal	White	East	Negative	0
5	12/19/2023	108	Wall	Plaster	Beige	West	Negative	0.3
6	12/19/2023	108	Wall	Drywall	Beige	South	Negative	0
7	12/19/2023	108	Window Frame	Wood	Beige	West	Negative	0
8	12/19/2023	109	Wall	Drywall	Beige	South	Negative	0
9	12/19/2023	110	Door Frame	Metal	White	East	Negative	0
10	12/19/2023	110	Wall	Plaster	Beige	West	Negative	0.2
11	12/19/2023	110	Wall	Drywall	Beige	North	Negative	0
12	12/19/2023	111	Wall	Plaster	Beige	North	Negative	0.3
13	12/19/2023	111	Wall	Drywall	Beige	West	Negative	0
14	12/19/2023	111	Wall	Drywall	Beige	East	Negative	0
15	12/19/2023	111	Window Frame	Wood	Beige	North	Negative	0
16	12/19/2023	111	Radiator	Metal	Beige	North	Negative	0
17	12/19/2023	112	Wall	Plaster	Beige	East	Negative	0.2
18	12/19/2023	112	Wall	Drywall	Beige	North	Negative	0
19	12/19/2023	112	Window Frame	Wood	Beige	East	Negative	0
20	12/19/2023	112	Radiator	Metal	Beige	East	Negative	0
21	12/19/2023	113	Wall	Drywall	Beige	South	Negative	0
22	12/19/2023	114	Door Frame	Metal	White	West	Negative	0
23	12/19/2023	114	Wall	Plaster	Beige	East	Negative	0
24	12/19/2023	114	Wall	Plaster	Blue	East	Negative	0.1
25	12/19/2023	114	Wall	Ceramic	Tan	North	Negative	0
26	12/19/2023	114	Original Window Frame	Metal	Beige	East	Positive	1.9
27	12/19/2023	117	Wall	Plaster	Beige	East	Negative	0.1
28	12/19/2023	117	Wall	Drywall	Beige	North	Negative	0
29	12/19/2023	118	Wall	Plaster	Beige	East	Negative	0.3
30	12/19/2023	118	Wall	Drywall	Beige	South	Negative	0
31	12/19/2023	119	Ceiling	Drywall	Beige	East	Negative	0
32	12/19/2023	119	Floor	Ceramic	Gray	South	Negative	0
33	12/19/2023	119	Radiator	Metal	Beige	East	Negative	0.4
34	12/19/2023	119	Wall	Ceramic	White	South	Negative	0
35	12/19/2023	119	Wall	Plaster	Beige	East	Negative	0
36	12/19/2023	119	Wall	Drywall	Beige	West	Negative	0
37	12/19/2023	119	Window Frame	Wood	Beige	East	Negative	0
38	12/19/2023	120	Wall	Ceramic	White	East	Negative	0
39	12/19/2023	120	Wall	Drywall	White	East	Negative	0
40	12/19/2023	120	Door Frame	Drywall	Beige	West	Negative	0
41	12/19/2023	121	Beam	Plaster	White		Negative	0.1
42	12/19/2023	121	Wall	Plaster	Beige	East	Negative	0.1
43	12/19/2023	121	Wall	Drywall	Beige	North	Negative	0
44	12/19/2023	121	Wall	Ceramic	Tan	South	Negative	0
45	12/19/2023	121	Window Frame	Wood	Beige	East	Negative	0
46	12/19/2023	121	Radiator	Metal	Beige	East	Negative	0
47	12/19/2023	123	Ceiling	Plaster	White		Negative	0
48	12/19/2023	123	Wall	Drywall	Beige	East	Negative	0
49	12/19/2023	123	Wall	Ceramic	White	West	Negative	0
50	12/19/2023	124	Wall	Ceramic	White	East	Negative	0
51	12/19/2023	124	Wall	Drywall	Beige	South	Negative	0

SCVAMC - Building 51 First Floor

XRF Results

Test #	Date	Room	Component	Substrate	Color	Side	Results	Pb (mg/cm2)
52	12/19/2023	124	Wall	Plaster	Beige	West	Negative	0
53	12/19/2023	124	Radiator	Metal	Beige	West	Negative	0
54	12/19/2023	124	Ceiling	Plaster	White		Negative	0
55	12/19/2023	125	Wall	Drywall	Beige	South	Negative	0
56	12/19/2023	126	Wall	Plaster	Beige	West	Negative	0.2
57	12/19/2023	126	Wall	Drywall	Beige	South	Negative	0
58	12/19/2023	126	Wall	Ceramic	Tan	North	Negative	0
59	12/19/2023	126	Window Frame	Wood	Beige	West	Negative	0
60	12/19/2023		Calibration		Red		Positive	1.1
61	12/19/2023		Calibration		Red		Positive	1
62	12/19/2023		Calibration		Red		Positive	1.1
63	12/19/2023	127	Door	Wood	Stain	East	Negative	0
64	12/19/2023	127	Door Frame	Metal	White	East	Negative	0
65	12/19/2023	127	Wall	Drywall	Beige	South	Negative	0
66	12/19/2023	127	Wall	Plaster	Beige	West	Negative	0
67	12/19/2023	127	Wall	Drywall	Beige	North	Negative	0
68	12/19/2023	127	Wall	Ceramic	Tan	South	Negative	0
69	12/19/2023	127	Window Frame	Wood	Beige	West	Negative	0
70	12/19/2023	127	Radiator	Metal	Beige	West	Negative	0
71	12/19/2023	128	Wall	Drywall	Beige	North	Negative	0
72	12/19/2023	128	Wall	Plaster	Beige	West	Negative	0
73	12/19/2023	128	Door Frame	Metal	White	East	Negative	0
74	12/19/2023	110 Restroom	Wall	Ceramic	Beige	West	Negative	0
75	12/19/2023	110 Restroom	Floor	Ceramic	White	West	Negative	0
76	12/19/2023	110 Restroom	Wall	Drywall	Beige	West	Negative	0
77	12/19/2023	111 Restroom	Wall	Ceramic	Beige	North	Negative	0
78	12/19/2023	111 Restroom	Wall	Ceramic	Beige	North	Negative	0.2
79	12/19/2023	112 Restroom	Original Window Frame	Metal	Beige	East	Positive	2.2
80	12/19/2023	112 Restroom	Wall	Ceramic	White	East	Negative	0
81	12/19/2023	112 Restroom	Floor	Ceramic	White	East	Negative	0
82	12/19/2023	115 Dining	Ceiling	Drywall	White	East	Negative	0
83	12/19/2023	115 Dining	Hatch	Metal	White	East	Negative	0
84	12/19/2023	115 Dining	Radiator	Metal	White	East	Negative	0
85	12/19/2023	115 Dining	Wall	Drywall	Blue	North	Negative	0
86	12/19/2023	115 Dining	Wall	Plaster	White	East	Negative	0
87	12/19/2023	115 Dining	Wall	Plaster	Beige	East	Negative	0.2
88	12/19/2023	115 Dining	Window Frame	Wood	White	East	Negative	0
89	12/19/2023	116A	Wall	Drywall	Beige	North	Negative	0
90	12/19/2023	121 Restroom	Wall	Ceramic	White	East	Negative	0
91	12/19/2023	121 Restroom	Wall	Plaster	White	East	Negative	0
92	12/19/2023	121 Restroom	Wall	Drywall	White	South	Negative	0
93	12/19/2023	121 Restroom	Floor	Ceramic	White		Negative	0
94	12/19/2023	123 Restroom	Wall	Ceramic	White	West	Negative	0
95	12/19/2023	123 Restroom	Floor	Ceramic	White	West	Negative	0
96	12/19/2023	123 Restroom	Wall	Drywall	Beige	North	Negative	0
97	12/19/2023	129 Locked Ward	Beam	Plaster	Green		Negative	0.2
98	12/19/2023	129 Locked Ward	Column	Plaster	Beige	West	Negative	0
99	12/19/2023	129 Locked Ward	Column	Plaster	Beige	West	Negative	0
100	12/19/2023	129 Locked Ward	Door	Wood	Stain	West	Negative	0
101	12/19/2023	129 Locked Ward	Door Frame	Metal	White	West	Negative	0
102	12/19/2023	129 Locked Ward	Wall	Drywall	Tan	South	Negative	0

SCVAMC - Building 51 First Floor

XRF Results

Test #	Date	Room	Component	Substrate	Color	Side	Results	Pb (mg/cm2)
103	12/19/2023	129 Locked Ward	Wall	Plaster	Beige	South	Negative	0.1
104	12/19/2023	129 Locked Ward	Window Frame	Wood	Beige	South	Negative	0
105	12/19/2023	130 Stair	Door	Metal	Brown	North	Negative	0
106	12/19/2023	130 Stair	Door Frame	Metal	White	North	Negative	0.1
107	12/19/2023	North Corridor	Pipe	Metal	White	South	Negative	0
108	12/19/2023	North Corridor	Wall	Drywall	Gray	West	Negative	0
109	12/19/2023	North Corridor	Wall	Drywall	Gray	East	Negative	0
110	12/19/2023	South Corridor	Wall	Drywall	Purple	North	Negative	0
111	12/19/2023		Calibration		Red		Positive	1.1
112	12/19/2023		Calibration		Red		Positive	1.1
113	12/19/2023		Calibration		Red		Positive	1

SCVAMC - Building 48 First Floor
XRF Results

Test #	Date	Room	Component	Substrate	Color	Side	Results	Pb (mg/cm2)
1	12/19/2023	Corridor C1C	Calibration		Red		Positive	1.1
2	12/19/2023		Calibration		Red		Positive	1.1
3	12/19/2023		Calibration		Red		Positive	1
4	12/19/2023		Wall	Plaster	Beige	South	Negative	0.3
5	12/19/2023		Wall	Plaster	Beige	North	Negative	0.2
6	12/19/2023		Door	Metal	Brown	North	Negative	0
7	12/19/2023		Door Frame	Metal	Brown	North	Negative	0
8	12/19/2023		Electrical Panel	Metal	Beige	North	Negative	0.2
9	12/19/2023		Door Frame	Metal	Brown	West	Positive	1
10	12/19/2023		Wall	Plaster	Beige	West	Negative	0
11	12/19/2023		Wall	Drywall	Beige	East	Negative	0
12	12/19/2023		Wall	Ceramic	White	West	Negative	0
13	12/19/2023	Corridor C1W	Door Frame	Metal	Brown	North	Positive	1
14	12/19/2023	103	Wall	Plaster	Gray	South	Negative	0.3
15	12/19/2023	103	Wall	Plaster	Beige	West	Negative	0.2
16	12/19/2023	103	Wall	Plaster	Beige	East	Negative	0.2
17	12/19/2023	103	Wall	Plaster	Beige	North	Negative	0.1
18	12/19/2023	103	Door	Metal	Brown	North	Negative	0.1
19	12/19/2023	103	Door Frame	Metal	Brown	North	Positive	1.7
20	12/19/2023	103	Door Frame	Metal	Brown	North	Positive	1
21	12/19/2023	106C	Wall	Plaster	Gray	East	Negative	0
22	12/19/2023	106C	Wall	Drywall	Beige	North	Negative	0
23	12/19/2023	106C	Wall	Drywall	Beige	West	Negative	0
24	12/19/2023	106C	Wall	Plaster	Beige	South	Negative	0.4
25	12/19/2023	106C	Radiator	Metal	Gray	East	Negative	0
26	12/19/2023	106C	Radiator	Metal	Beige	South	Negative	0.2
27	12/19/2023	108	Door	Metal	Brown	East	Negative	0
28	12/19/2023	108	Door Frame	Metal	Brown	East	Negative	0
29	12/19/2023	108	Wall	Drywall	Gray	West	Negative	0.1
30	12/19/2023	108	Wall	Drywall	Beige	North	Negative	0
31	12/19/2023	108	Wall	Drywall	Beige	East	Negative	0
32	12/19/2023	108	Wall	Plaster	Beige	South	Negative	0.3
33	12/19/2023	108	Convactor Cover	Metal	Beige	South	Negative	0.3
34	12/19/2023	108	Convotor Housing Shield	Metal	Silver	South	Positive	2.5
35	12/19/2023	108	Convotor Housing Shield	Metal	Silver	South	Positive	4.3
36	12/19/2023	110A	Door Frame	Metal	Brown	East	Positive	1
37	12/19/2023	113	Door Frame	Metal	Brown	East	Positive	1
38	12/19/2023	114	Wall	Plaster	Beige	North	Negative	0
39	12/19/2023	114	Wall	Plaster	Beige	East	Negative	0.1
40	12/19/2023	114	Wall	Plaster	Beige	South	Negative	0.3
41	12/19/2023	114	Wall	Plaster	Gray	South	Negative	0.1
42	12/19/2023	114	Wall	Drywall	Gray	South	Negative	0
43	12/19/2023	114	Wall	Ceramic	White	South	Negative	0
44	12/19/2023	116	Wall	Plaster	Beige	North	Negative	0.1
45	12/19/2023	116	Wall	Plaster	Beige	South	Negative	0.1
46	12/19/2023	116	Wall	Plaster	Gray	West	Negative	0.3
47	12/19/2023	116	Wall	Plaster	Gray	East	Negative	0.2
48	12/19/2023	116	Door	Metal	Brown	South	Negative	0
49	12/19/2023	116	Door Frame	Metal	Brown	South	Negative	0
50	12/19/2023		Calibration		Red		Positive	1.1
51	12/19/2023		Calibration		Red		Positive	1.1
52	12/19/2023		Calibration		Red		Positive	1

SECTION VI

Asbestos Inspectors' and Lead Assessor's Licenses

Asbestos Inspector State Certification/Accreditation



Inspector

I have completed an EPA-approved training course and all appropriate refresher courses and am licensed as an Asbestos Inspector by the Minnesota Department of Health.

Matt Lindberg
Signature

December 19, 2023
Date of Inspection

Matt Lindberg
Print Name

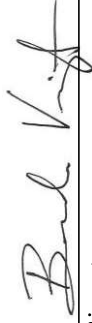
A13896
State Certification/Accreditation Number

Asbestos Inspector State Certification/Accreditation



Inspector

I have completed an EPA-approved training course and all appropriate refresher courses and am licensed as an Asbestos Inspector by the Minnesota Department of Health.



Signature

December 19, 2023

Date of Inspection

Branden Voigt
Print Name

A110892

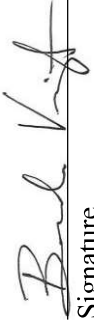
State Certification/Accreditation Number

Lead Risk Assessor Certification/Accreditation



Risk Assessor

I have completed an approved training course and all appropriate refresher courses and am licensed as a Lead Risk Assessor by the Minnesota Department of Health.


Signature

December 19, 2023
Date of Inspection

Branden Voigt
Print Name

LR3877
State Certification/Accreditation Number

Remodel Building 51-1 Eastside St. Cloud VAMC
VA PROJECT NUMBER: 656-19-307

APPENDIX B
Mounted Patient Lift Specifications

SECTION 11 73 00
CEILING MOUNTED PATIENT LIFT SYSTEM

PART 1 - GENERAL

1.1 DESCRIPTION

A. Ceiling Mounted Patient Lift Systems for the transfer of physically challenged patients are specified in this section.

1. Structural support is via the construction contract.
2. The equipment track and lift module is via the VA's equipment process.
3. An "H" track system for 100% coverage of the required room.

1.2 RELATED WORK

- A. Section 01 00 00, GENERAL REQUIREMENTS: Requirements for pre-test of equipment.
- B. Section 26 05 11, REQUIREMENTS FOR ELECTRICAL INSTALLATIONS: General Electrical Requirements and items, which are common to sections of Division 26.

1.3 QUALITY ASSURANCE

- A. Certification for compliance is required for Ceiling Mounted Patient Lift Systems. Certifications shall be provided by the manufacturer who will conduct testing to ensure that the ceiling lift and charging system are safe and in compliance with ISO 10535 & UL 60601-1.
- B. Inspection of equipment after installation is required prior to use for patient movement. Inspection shall be in accordance with manufacturer's installation checklist and the facilities installation checklist
(Patient Safety Alert AL14-07).

1.4 SUBMITTALS

- A. Submit in accordance with specification Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
 1. Shop drawings shall show structural supports to the underside of structure. Structural calculations for the support of the track and its attachment to ceiling structure shall be submitted. Shop drawings used in the quoting phase shall be PDFs, and either 2D CAD files or 3D BIM files showing structural support to underside of structure. Shop drawings shall also provide general room layout with bed position and all obstructions to ceiling lift.
 2. Once the purchase order is accepted by the vendor, a set of stamped drawings shall be provided by the vendor. Shop drawings and

structural calculations shall be signed and stamped by a registered structural engineer, and shall meet all code requirements in the jurisdiction having authority. Structural engineer shall ensure ceiling minimum structure capacity shall support the loads specified in the shop and installation drawings and be in compliance with local structural and seismic codes.

3. Shop drawings shall show obstructions such as curtains, lights and sprinklers, and coordinate their relocation.

4. Manufacturer shall provide BIM (Building Information Model) for clash detection on the request of the Resident Engineer (RE), VA Construction Agent, or General Contractor.

B. Certificates of Compliance from Manufacturer

C. Manufacturer's Literature and Data:

1. Lifting Capacity
2. Lifting Speed
3. Vertical Axis Motor
4. Emergency Brake
5. Emergency Lowering Device
6. Emergency Stopping Device
7. Electronic Soft-Start and Soft-Stop Motor Control
8. Current Limiter for Circuit Protection
9. Strap Length

10. All equipment anchors and supports. Submittals shall include weights, dimensions, center of gravity of the structural support, standard connections, manufacturer's recommendations and behavior problems (e.g., vibration, thermal expansion,) associated with equipment or piping so that the proposed installation can be properly reviewed.

D. Individual Room layouts showing location of lift system installation shall be approved before proceeding with installation of lifts.

E. Manufacturer's Checklist for after installation inspection.

1.5 APPLICABLE PUBLICATIONS

A. The publications listed below form a part of this specification to the extent referenced. The publications are listed in the text by the basic designation only.

- B. International Organization for Standardization (ISO):
10535-06.....Hoist for the Transfer of Disabled Persons-
Requirements and Test Methods
- C. Underwriters Laboratories (UL):
60601-1(2003).....Medical Electrical Equipment: General
Requirements for Safety
94-2013.....UL Standards for Safety Test for Flammability
of Plastic Materials for Parts in Devices and
Appliances-Fifth Edition
- D. International Electromagnetic Commission (IEC):
60601-1-2(2015).....Medical electrical equipment - Part 1-2:
General requirements for basic safety and
essential performance - Collateral Standard:
Electromagnetic disturbances - Requirements and
tests.

PART 2 - PRODUCTS

2.1 CEILING TRACK SYSTEM

- A. The Ceiling Track shall be made from high strength extruded aluminum or
VA approved equal. Provide anchor supports at ceiling substrate.
- B. Installed rail shall be security tested for 1.5 times greater than the
motor's weight capacity and maximum allowable deflection of a
horizontal rail is no more than 1mm (1/16th inch) per 200mm (7.87 inch)
of track length. (As per ISO 10535 standards.)
- C. Rail system must allow for seamless transition to a second rail system
using a non-motorized gate system. The gate system must be automatic,
non-electric, and require no external activation via pull cord or
switch. The gate system must open upon alignment of rails and remain
locked when rails are out of alignment.

2.2 LIFT UNIT

- A. The Lift Unit shall be constructed of a steel frame system driven by a
gear reduced high torque motor or VA approved equal.
- B. The Lift system shall have the following features.
 - 1. Lifting capacity: 770 lbs (350 kg)
 - 2. Electronic soft-start and soft-stop motor control
 - 3. Emergency lowering device

4. Emergency stopping device
5. Current limiter for circuit protection in case of overload.
6. Safety device that stops the motor to lift when batteries are low.
7. Emergency brake (in case of mechanical failure)
8. Strap length: 98 inches
9. Cab: VO plastic-fire retardant, UL 94
10. Hand controls: The hand control must be wired, with LCD screen. A second wireless hand control must be provided for each hoist.
11. Integrated/internal scale with weight displayed through LED screen on the wired hand control.
12. Software: Wifi ready usage analytics and maintenance analytics software preloaded.

2.3 MOTORS

- A. Vertical Movement-DC Motor

2.4 BATTERIES

- A. The life cycle (number of charging cycles) for batteries shall be in compliance with IEC 6100-1-2.
- B. Provide rechargeable batteries with up to 35 transfers with a load of 200lbs (74kg) (for repositioning) a minimum of 17 transfers with its maximum load.

2.5 CHARGER

- A. Charger

- B. **LIFT SHALL BE CHARGED VIA CONTINUOUS AC CHARGING. 2.6 STRAPS AND SLING**
 - A. The straps shall meet ISO 10535 guidelines. The straps shall ensure the patient's safety by preventing the patient from falling out of the sling.
 - B. The sling shall meet ISO 10535 guidelines. The sling shall cradle the body of the patient. Bariatric slings shall be rated to a minimum of 750 lbs.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install ceiling mounted patient lift system as per manufacturer's instruction and under the supervision of manufacturer's qualified representative and as shown on drawings.
- B. If the distance in between the suspended ceiling and anchors is more than 12" consult with manufacturer to determine if lateral braces will be required.

3.2 INSTRUCTION AND PERSONNEL TRAINING

Training shall be provided for the required personnel to educate them on proper operation and maintenance for the lift system equipment.

3.3 TEST

Conduct performance test, in the presence of the Resident Engineer (RE) and/or Inspector of Record (IOR), and a manufacturer's field representative, to show that the patient lift system equipment and control devices operate properly and in accordance with design, specification, and code requirements.

3.4 INSPECTION

1. Inspection of installed ceiling mounted patient lift systems shall be conducted in accordance with the manufacturer's installation checklist and the VA installation checklist (Patient Safety Alert AL14-07) prior to use for patient movement.
2. Periodic Inspection shall be provided by the manufacturer on a manufacturer's warranty or extended service contract basis in compliance with ISO 10535.

- - - E N D - - -

Installation or Relocation Checklist for Ceiling Mounted Patient Lifts				
The commissioning for a patient ceiling lift system(s) shall include, but not be limited to, the following points as components of the commissioning procedures. NOTE: Ceiling mounted patient lifts are not to be installed in treatment units with actively suicidal patients.				
Facility:		Work Order:		Manufacturer:
Lift Location:		Model:		
VAMC Contact:		Serial Number:	EE Number:	
VAMC Contact's Phone Number:		Mfgr Contact:		
Installer:		Mfgr Contact's Phone Number:		
Installer's Phone Number:		Date:		
Pre-Installation				COMPLETE
1	Perform site survey of the pre-existing conditions and as-built drawings above and below finish ceiling at the installation location to confirm existing structural and ceiling conditions.			☐
2	Obtain structural and related engineering design drawings and calculations for the new lift installation. Design drawings shall be developed for specific lift installation under specific pre-existing conditions of the facility.			☐
3	If the facility is located in a seismic area, as identified in VA Handbook H-18-8 Seismic Design Requirements, verify that the ceiling mounted patient lift system installation is in compliance with the requirements of VA Directive 7512 Seismic Safety of VA Buildings and VA Master Design Specification 13.05.041 Seismic Restraint Requirements for Non-Structural Components.			☐
4	Verify that the lift is listed by the manufacturer to be installed and operated in the environment that the lift is operating under. (For example, water tight lifts shall be installed and operated in wet, damp or humid locations such as pools or bathrooms.)			☐
5	Verify NFPA 13 compliance for fire sprinkler system (including but not limited to fire sprinkler heads and piping/).			☐
6	Verify NFPA 99 and NFPA 70 compliance for proper grounding and bonding.			☐
7	Verify NFPA 99 and NFPA 70 compliance for access to electrical and safety systems.			☐
8	Verify required access to mechanical, HVAC, and fire systems components within the lift installation area.			☐
9	Verify minimum clearances for operation are compliant with manufacturer recommendations. (Ensure room clearance and that the ceiling height is adequate for lift usage.)			☐
10	Perform pre-installation walkthrough to confirm full understanding and consensus of design drawing(s) and installation conditions.			☐
NOTES:				
Installation				COMPLETE
1	Verify proper connections of the lift's structural system to the building's structure (including seismic bracing if applicable).			☐
2	Verify proper interface at the ceiling (hard deck or soft tile) and proper installation of all protective features around the support rods and rails/tracks.			☐

3	Verify structural component sizing and physical installation to ensure that the correct structural system is in place and properly installed to support the lift.	☐
4	Verify proper installation of electric motor per manufacturer's instructions to ensure operational rigidity of motor mounting.	☐
5	Verify proper electrical connections per design drawings and manufacturer's instructions.	☐
NOTES:		
Post-Installation		COMPLETE
1	Perform walkthrough to ensure compliance of the installation per the design drawing(s) and manufacturer's instructions.	☐
2	Perform operational test to verify lift functionality.	☐
NOTES:		
Rails/Tracks and End Stops		PASS FAIL
1	Verification that all fasteners and set screws are properly tightened on the trollies and rails/tracks.	☐ ☐
2	Ensure that the rail/track is free of gaps (unless required by design). If included in installation, verify rail turntable function, exchanger function, gate alignment, and safety block installation.	☐ ☐
3	Confirm track is clean and clear of all debris. (Use manufacturer's recommended cleaning materials to avoid damage to the motor case and other components.)	☐ ☐
4	Verification that all manufacturer specified end stops or docking gates are properly installed.	☐ ☐
NOTES:		
Lift Unit and Straps		PASS FAIL
1	Inspection of lift unit casing for cracks and alignment.	☐ ☐
2	Verification that the lift unit charges properly.	☐ ☐
3	Inspection and activation of hand control for full operation (e.g., up, down, left, right) and "return to charge" function if applicable.	☐ ☐
4	Confirm any and all lift unit indicator lights are functioning. (e.g., red service warning light, charging state light)	☐ ☐
5	Inspection and verification of all emergency functions of the lift unit.	☐ ☐

6	Full extension and inspection of lift strap for loose threads or frays.	☐	☐
7	Inspection of spreader bar and clips for cracks and for loose or missing rings or cotter pins.	☐	☐
NOTES:			
Load Testing			
1	Verification of any "soft start" or "soft stop" features and that lifting speed does not exceed 2.5 inches per second with "zero" load.	☐	☐
2	Verification of load testing and deflection testing at the manufacturer's specified maximum rated lift capacity.	☐	☐
3	Verification of any "soft start" and "soft stop" features and that lifting speed does not exceed 1.5 inches per second under maximum rated lift capacity.	☐	☐
4	Verification of function of emergency stop at maximum rated lift capacity.	☐	☐
5	Verification of emergency lowering feature at maximum rated lift capacity.	☐	☐
NOTES:			
Manuals			
1	Confirm that the manufacturer's operating and maintenance manuals for this lift have been received.	☐	☐
NOTES:			
Training			
1	Verify that manufacturer or manufacturer's representative has provided training on the use of patient handling equipment to clinicians and other staff who move and handle patients.	☐	☐
2	Verify that training and competency are documented prior to release for use with patients.	☐	☐
NOTES:			

Installing Contractor		COMPLETE
After the activities listed in the above checklist and in the manufacturer's installation/operations/owner's manual(s) have been completed, the installing contractor shall release the ceiling mounted lift installation to VA representative.		☐
SIGNATURE:	DATE:	
TITLE:		

VA Representative		COMPLETE
After the activities listed in the above checklist and in the manufacturer's installation/operations/owner's manual(s) have been completed, the VA representative shall review those items with the installing contractor prior to releasing the ceiling mounted lift into service to ensure completion of all requirements.		☐
SIGNATURE:	DATE:	
TITLE:		

Manager of the Service Using the Ceiling Mounted Lifts		COMPLETE
After the activities listed in the above checklist and in the manufacturer's installation/operations/owner's manual(s) have been completed, the manager of the service using the ceiling mounted lifts confirms that the current staff have received initial training on ceiling mounted lifts and that there is a process in place to provide ongoing training on the proper use of ceiling mounted lifts.		☐
SIGNATURE:	DATE:	
TITLE:		

ADDITIONAL NOTES: