ENCORUS GROUP

23 Mechanic Street
Springville, NY 14141

295 Main Street
West Seneca, NY 14224

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716.592.3980

February 20, 2024

John Robbins
Bancroft Architects + Engineers
3300 Dundee Road,
Northbrook, IL 60062

Re: Pre-Renovation Asbestos-Containing Materials, Lead-Based Paint, Exterior PCB-Containing Materials and Inspection Report
Buffalo VAMC – Parking Ramp Expansion
Project No. 528-375
BAE Project No. 21-113
3495 Bailey Avenue
Buffalo, NY 14215
Encorus #24033

Dear John Robbins:

Enclosed please find a copy of the Asbestos-Containing Materials, Lead-Based Paint and Exterior PCB-Containing Materials Inspection Report for the Buffalo VAMC – Parking Ramp Expansion located at 3495 Bailey Avenue in Buffalo, New York. Should you have any questions please do not hesitate to contact our office at 716.592.3980. Thank you for the opportunity to be of service to Bancroft Architects + Engineers.

Sincerely,

Sean Fitzgerald
RBM Lead

Enclosures

Pre-Renovation
Asbestos-Containing Materials,
Lead-Based Paint and
Exterior PCB-Containing Materials
Inspection Report

OF THE:

Buffalo VAMC – Parking Ramp Expansion
3495 Bailey Avenue
Buffalo, NY 14215
Project No. 528-375
BAE Project No. 21-113
Encorus#24033

PREPARED BY:

ENCORUS® GROUP

PREPARED FOR:

Bancroft Architects + Engineers
3300 Dundee Road,
Northbrook, IL 60062

CONDITIONS AS OF:

February 7, 2024

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1 Introduction

Encorus Group Engineering, P.C. (Encorus Group) was retained by Bancroft Architects + Engineers to perform an inspection of the Buffalo Veterans Affairs Medical Center Parking Garage located at 3495 Bailey Avenue in Buffalo, New York, to determine the presence of asbestos-containing materials, lead-based painted/coated materials and exterior PCB-containing caulks, glazing and sealants prior to work associated with the Buffalo VAMC – Parking Ramp Expansion project.

The inspection was conducted on January 22 and February 7, 2024.

The scope of inspection work provided is as indicated in the proposal for Inspection Services dated October 16, 2023 and includes the following:

- The project scope of work is to correct parking system deficiencies at the Buffalo VAMC and increase parking capacity as much as possible. Sienna's scope of work is to perform hazardous materials inspection and abatement design services (if necessary) as part of the investigation of existing conditions and systems related to the existing Parking Ramp Building 29. Investigation is required to determine where the parking ramp connects to the Main Hospital Building 1, and Support Buildings 2 and 3.

Encorus Group was charged with conducting the following tasks for this project:

1. Conducting an asbestos inspection in accordance with all applicable regulations,
2. Performing an inspection via X-Ray Florescence (XRF) for lead in accordance with all applicable regulations and guidelines,
3. Sampling exterior caulks, glazing and sealants for PCB-containing materials in accordance with all applicable regulations and guidelines, and
4. Providing a summary report of findings.

This report is generated for the exclusive use of the client and is not designed to serve as a specification for abatement. The owner is strongly encouraged to contract with a consultant having a current Asbestos Project Designer Certificate as issued by New York State Department of Labor for the preparation of contract specifications, work plans, and/or drawings prior to requesting bids for the abatement or removal of the materials identified in this report.

2 Asbestos-Containing Materials Inspection

2.1 Methodology

All asbestos inspection work performed by Encorus Group was conducted in accordance with applicable regulations including New York State Department of Labor standards 12 NYCRR Part 56, National Emission Standards for Hazardous Air Pollutants (NESHAPS), the Asbestos Hazard Emergency Response Act, and Occupational Safety and Health Administration regulations. All Encorus Group's personnel assigned to conduct inspections have completed the Environmental Protection Agency (EPA) required training and New York State Department of Labor Division of Safety and Health certification program.

Based on the functional spaces and homogeneous areas (materials uniform in color or texture) identified by Encorus Group, samples of suspect materials were collected. Techniques used for sample collection were designed to minimize damage to suspected areas, reduce any potential for fiber release, and ensure the safety of the inspector and building occupants.

Samples were analyzed using Polarized Light Microscopy (PLM) in accordance with NYS DOH ELAP Item #198.1 or #198.6. For materials classified as non-friable organically bound materials (NOBs) that were analyzed as equal to or less than 1% asbestos by PLM, additional analysis was performed under Transmission Electron Microscopy (TEM) in accordance with NYS DOH ELAP Item #198.4. The results of this analysis confirmed whether or not a suspect material actually contained asbestos. The confirmed materials and all assumed materials are listed in **Section 2.3 Confirmed Asbestos-Containing Materials and Section 2.4 Assumed Asbestos-Containing Suspect Materials.**

Although the report is a comprehensive analysis of the asbestos inspection work performed, it would be helpful to review all applicable federal, state and local rules, laws and regulations regarding the handling and treatment of asbestos-containing materials (ACM). The following is a list of suggested reading and information sources relating to asbestos:

- New York State Department of Labor Industrial Code Rule 56
- Occupational Safety and Health Administration
- Environmental Protection Agency Rule CFR 763.86 Asbestos Hazard Emergency Response Act
- Environmental Protection Agency Rule 40 CFR, Chapter 61, Subpart M of the National Emission Standards for Hazardous Air Pollutants (NESHAPS)

2.2 Executive Summary

The asbestos inspection included identification, sampling, analysis, and quantification of suspect materials that may be disturbed by the project. By definition an Asbestos-Containing Material (ACM) is any material which contains greater than one percent (>1%) asbestos. Materials which contain asbestos in measurable concentrations less than or equal to one percent (≤1%) are reported as containing "trace" amounts.

Copies of all laboratory analysis reports and chains of custody listing locations of sample collection are located in Appendix C. Refer to floor plans located in Appendix E for specific sample location points. Refer to Appendix F for a summary of all functional spaces which were included as part of this inspection service.

2.3 Confirmed Asbestos-Containing Materials

All sampled materials have been analyzed by current EPA AHERA and ELAP protocols. No identified suspect materials have been confirmed to be Asbestos-Containing Materials.
Refer to Section 2.4 and 2.5.

2.4 Assumed Asbestos-Containing Suspect Materials

No suspect Asbestos-Containing Materials have been assumed to be Asbestos-Containing Materials.
Refer to Sections 2.3 and 2.5.

2.5 Confirmed Non-Asbestos Containing Materials

These materials were sampled and analyzed by current EPA AHERA and ELAP protocols and were proven to contain one percent asbestos or less (≤1%).

HAN Number	Material Description	Comments
MISCELLANEOUS (600s)		
600	Expansion Joint Compound – Tan	---
601	Door Caulk – Grey	---
ROOFING (700s)		
700.1	Denz Deck	---
700.2	Iso Paper	---

2.6 Summary Table of Asbestos-Containing Materials

All sampled materials have been analyzed by current EPA AHERA and ELAP protocols. No identified suspect materials have been confirmed to be Asbestos-Containing Materials, and none were assumed to be ACM.
Refer to Section 2.3, 2.4 and 2.5.

3 Lead-Based Paint Inspection

3.1 Methodology

Encorus Group used a spectrum analyzer (Refer to Appendix D for additional information) to test painted or coated surfaces included in the scope of work. The analyzer measures the amount of lead in painted surfaces using X-Ray Fluorescence technology (XRF). The analyzer uses a radioactive source which locates lead atoms in painted surfaces and measures the concentration in milligrams per square centimeter. If necessary, paint chip samples were also collected as part of this inspection. Representative surfaces/components were tested in a manner designed to adequately represent the different components, substrates, types of paint, construction and paint history. Various federal, state and local laws, rules, regulations and guidelines may be applicable to this project as it relates to Lead-Based Paint/coatings (LBP) including but not limited to:

1. Lead-Based Paint Renovation, Repair and Painting Regulation Rule (40 CFR Part 745.8 Subpart E (EPA))
2. Lead Safe Housing Rule (HUD 24 CFR Part 35)
3. Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (US Department of Housing and Urban Development (HUD))
4. Occupational Safety and Health Administration (OSHA 29 CFR 1910 and 1926)
5. New York State Education Department (NYSED)
6. State of New York codes and laws
7. All local codes
8. All federal codes
9. US-DOT 49 CFR

The most recent edition of any relevant regulation, standard, document, or code shall be applicable to the work. Where conflict among the requirements exists, the most stringent requirements are generally applicable.

3.2 HUD/ EPA Standards

Certain HUD and EPA standards apply to “Lead-Based Paint” which is any paint or coating which contains lead at or above 1.0 mg/cm^2 (via XRF), or 0.5 percent by weight (paint chip). Analysis indicated that components, listed in Section 3.3, have a lead content equal to or greater than the HUD/EPA standard for Lead-Based Paint.

3.3 Summary Table of Lead-Based Painted/Coated Materials

Functional Space ID/ Description	Material Description	Approximate Quantity	Condition	Positive or Homogeneous with Shot #
100 – First Floor Garage	No Lead-Based Painted/Coated components were detected within the scope of work.			
101 – Stair Tower 1				
102 – Stair Tower 2				
200 – Second Floor Garage				
300 – Third Floor Garage				
400 – Roof				
401 – Upper Roof				

The presence of lead in surfaces that were analyzed as less than 0.5 percent lead by weight or in measurable amounts but less than 1.0 mg/cm^2 is a consideration for the purposes of complying with OSHA regulations. Refer to Section 3.4 for details.

3.4 OSHA Regulations

On May 4, 1993, OSHA promulgated the Lead Exposure in Construction Rule (29 CFR Part 1926.62). This regulation applies to all construction activities involving potential lead exposures. This regulation applies when lead is present in any detectible amount and is not limited to HUD’s definition of Lead-Based Paint. Surface abrading and demolition activities may release lead from unpainted materials which contain lead such as glazed ceramic tile and porcelain, or enameled wall panels. Although these items do not meet HUD’s definition of Lead-Based Paint and need not be included in disclosure under the Lead Disclosure Rule (Refer to Section 3.5), they have been included for reference in Section 3.3 above.

3.5 Disclosure Requirements

If the subject property of this report is target housing, the owner has certain responsibilities under the Lead Disclosure Rule when the property is being sold or leased, or when a lease is being renewed with revisions. In general, lead disclosure is required in these circumstances, except that disclosure does not have to be made when the target housing is being leased if the inspection has found that it is Lead-Based Paint free.

Per 40 CFR Part 745 “Target Housing” is defined as: any housing constructed prior to 1978, except housing for the elderly or persons with disabilities (unless any child who is less than 6 years of age resides or is expected to reside in such housing); or any 0-bedroom dwelling.

Results of this inspection must be provided to new lessees (tenants) and prospective buyers of this property under Federal law (24 CFR part 35 and 40 CFR part 745) before they become obligated under a lease or sales contract. The complete report must be provided by the owner to prospective buyers and it must be made available to prospective tenants and to renewing tenants if they have not been provided the information previously. The Inspector’s plain language summary of the report must be provided to the client (e.g., property owner or manager) when the complete report is provided. The landlord (lessor) or seller is also required to distribute an educational pamphlet approved by the U.S. Environmental Protection Agency and include the Lead Warning Statement in the lease or sale contracts to ensure that parents have the information they need to protect their children from Lead-Based Paint hazards. Complete disclosure requires the landlord/sellers and renters/buyers (and their agents) to sign and date an acknowledgement that the required information and materials were provided and received. Also, prospective buyers must be provided the opportunity to have their own Lead-Based Paint inspection, lead hazard screen or risk assessment performed before the purchase agreement is signed; the standard period is 10 days, but this period may be changed or waived by agreement between the seller and prospective buyer. EPA regulations require the inspector to keep the inspection report for at least 3 years. (See Section IV of Chapter 7 of the HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing for further details; see www.hud.gov/lead.)

4 PCB Inspection

4.1 Methodology

Encorus Group identified suspect exterior PCB-containing caulk, glazing, or other sealant on building components that are included in the scope of work.

The inspection was performed in conformance with all applicable federal, state and local rules, laws, regulations and/or guidelines. The US EPA's specified limit for PCB content/concentration is 50 ppm (parts per million) or 50 mg/kg (milligrams per kilogram) by weight.

The laboratory used for bulk sample analysis was approved by NYS ELAP and AIHA or NVLAP and performed laboratory analysis by EPA Method 8082.The laboratory results are reported in mg/Kg (milligrams per kilogram) which equates to ppm (parts per million). Copies of all laboratory analysis reports and chains of custody listing locations of sample collection are located in Appendix C.

4.2 Suspect PCB-Containing Materials

No Suspect exterior PCB-containing caulking, glazing, or sealant materials were detected within the scope of work.

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Appendix A

General Conditions of Inspection

1. Encorus Group Engineering, P.C. LLC neither accepts nor implies any liability for the implementation of the recommendations found within this report.

2. This inspection was limited to areas accessible to the inspector. Encorus Group Engineering, P.C. neither accepts nor implies any liability for hazardous materials that may be present in other areas of the building.

3. The results of the laboratory analytical reports that may be contained herein are the product of the knowledge, experience and expertise of the laboratory retained to perform such services. Encorus Group neither accepts nor implies any liability for sample analysis reports compiled by others.

4. This report is based on the condition and contents present at the site on the day of the inspection. Encorus Group Engineering, P.C.is not liable for materials, chemicals or other substances of concern that may have been removed from the site, cleaned or disposed of prior to the inspection date or subsequent to that date.

5. An inspection for Asbestos-Containing Materials, Lead-Based Paint or PCB-Containing Materials relies heavily upon identification of homogeneous areas, with subsequent sampling and laboratory analysis determined by: the quantity of surfaces identified, generally accepted inspection protocols, regulatory requirements, and the inspector's judgment. Specific sample locations are determined with the objective of selecting representative samples. As with any type of sampling, the possibility of obtaining a false positive or false negative does exist, is inherent in the sampling process, and can at times result from the uneven distribution of target analytes within the suspect material. The comprehensive inspection protocol developed and utilized by Encorus Group Engineering, P.C. attempts to minimize the risk of a false positive or false negative result. However, the client is advised that the risk of false positives or false negatives cannot be completely eliminated.

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Appendix B

Certifications and Licenses

WE ARE YOUR DOL

NEW YORK STATE | Department of Labor

DIVISION OF SAFETY & HEALTH LICENSE AND CERTIFICATE UNIT, STATE OFFICE CAMPUS, BLDG. 12, ALBANY, NY 12226

ASBESTOS HANDLING LICENSE

Encorus Group Engineering, P.C.
P.O. Box 344, Springville, NY, 14141

License Number: 421634
License Class: RESTRICTED
Date of Issue: 11/22/2023
Expiration Date: 11/30/2024
Duly Authorized Representative: Thomas Gilmartin

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Amy Phillips, Director
For the Commissioner of Labor

SH 432 (12/21)

United States Environmental Protection Agency

This is to certify that

Encorus Group Engineering, P.C.

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires November 30, 2026

LBP-F256665-1

Certification #

November 16, 2023

Issued On

Michelle Price, Chief

Lead, Heavy Metals, and Inorganics Branch

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

N.Y.S

DANIEL G KORFF
CLASS(EXPIRES)
C ATEC (12/24) D INSP (12/24)
H PM (12/24)

CERT# 23-6L3AK-SHAB
DMV# 989893651

MUST BE CARRIED ON ASBESTOS PROJECTS

01213 00701911438

IF FOUND, RETURN TO:

NYSDOL - L&C UNIT

ROOM 161A BUILDING 12

STATE OFFICE CAMPUS

ALBANY NY 12226

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2024
Issued April 01, 2022
Revised March 30, 2023

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CORY M. PARNELL
AMERISCI RICHMOND
13635 GENITO RD
MIDLOTHIAN, VA 23112

NY Lab Id No: 10984

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual
	EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Asbestos-Vermiculite-Containing Mate	Item 198.8 of Manual

Serial No.: 66278

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/, by phone (518) 485-5570 or by email to elap@health.ny.gov.

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Appendix C

Chains of Custody and Laboratory Reports

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: 8047631200 FAX: 8047631800

January 27, 2024

Encorus Group Engineering P.C.
Attn: Sean Fitzgerald
350 Elmwood Ave
Springville, NY 14141

RE: Encorus Group Engineering P.C.
Job Number 124011883
P.O. #4237
4237; Bancroft Architects & Engineers / John Robbins; Buffalo VAMC - Parking Ramp Expansion / 3495 Bailey Avenue Buffalo, NY 14215

Dear Sean Fitzgerald:

Enclosed are the results of Asbestos Analysis - Bulk Protocol of the following Encorus Group Engineering P.C. samples, received at AmeriSci on Wednesday, January 24, 2024, for a 3 day turnaround:

20240122-4237-600-1, 20240122-4237-600-2, 20240122-4237-601-1, 20240122-4237-601-2, 20240122-4237-700.1-1, 20240122-4237-700.1-2, 20240122-4237-700.2-1, 20240122-4237-700.2-2

The 8 samples, placed in zip lock bag, were shipped to AmeriSci via Fed Ex 7222 8092 7718 B 1035. Encorus Group Engineering P.C. requested ELAP PLM/TEM analysis of these samples.

The results of the analyses which were performed under NYSDOH ELAP Lab Certification # 10984 following ELAP 198.4 TEM guidelines are presented within the Summary Table of this report. The presence of matrix reduction data in the Summary Table normally indicates an NOB sample. For NOB samples the individual matrix reduction and TEM analysis results are listed in Table I. Complete PLM results for individual samples analyzed by ELAP 198.1 (friable) and ELAP 198.6 (NOB) are presented in the PLM Bulk Asbestos Report. This combined report relates ONLY to sample analysis expressed as percent composition by weight and percent asbestos. This report must not be used to claim product endorsement or approval by these laboratories, NVLAP, ELAP or any other associated agency. The National Institute of Standards and Technology accreditation requirements, mandate that this report must not be reproduced, except in full without the written approval of the laboratory. This report may contain specific data not covered by NVLAP or ELAP accreditations respectively, if so identified in relevant footnotes.

AmeriSci appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,

Glenn F. Massey

QA Manager | Authorized Signatory

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

Encorus Group Engineering P.C.
Attn: Sean Fitzgerald
350 Elmwood Ave

Springville, NY 14141

Date Received 01/24/24
Date Examined 01/27/24
ELAP # 10984
AmeriSci Job # 124011883
P.O. #
Page 1 **of** 2

RE: 4237; Bancroft Architects & Engineers / John Robbins; Buffalo VAMC - Parking Ramp Expansion / 3495 Bailey Avenue Buffalo, NY 14215

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20240122-4237-600-1 600	124011883-01 **Location:** Expansion Joint Compound - Tan; 300	***No***	NAD (NOB by NYS ELAP 198.6) by Eric H. Ahles on 01/27/24

Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-Asbestos 39%
Comment: Heat Sensitive (organic): 28.0%; Acid Soluble (inorganic): 32.5%; Inert (Non-asbestos): 39.5%

20240122-4237-600-2 600	124011883-02 **Location:** Expansion Joint Compound - Tan; 102	***No***	NAD (NOB by NYS ELAP 198.6) by Eric H. Ahles on 01/27/24

Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-Asbestos 3.1%
Comment: Heat Sensitive (organic): 67.0%; Acid Soluble (inorganic): 29.9%; Inert (Non-asbestos): 3.1%

20240122-4237-601-1 601	124011883-03 **Location:** Door Caulk - Grey; 102	***No***	NAD (NOB by NYS ELAP 198.6) by Eric H. Ahles on 01/27/24

Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-Asbestos 22%
Comment: Heat Sensitive (organic): 21.1%; Acid Soluble (inorganic): 56.7%; Inert (Non-asbestos): 22.2%

20240122-4237-601-2 601	124011883-04 **Location:** Door Caulk - Grey; 102	***No***	NAD (NOB by NYS ELAP 198.6) by Eric H. Ahles on 01/27/24

Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-Asbestos 43%
Comment: Heat Sensitive (organic): 37.6%; Acid Soluble (inorganic): 19.4%; Inert (Non-asbestos): 43.1%

See Reporting notes on last page

PLM Bulk Asbestos Report

4237; Bancroft Architects & Engineers / John Robbins; Buffalo
VAMC - Parking Ramp Expansion / 3495 Bailey Avenue Buffalo, NY 14215

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20240122-4237-700.1-1 700.1 **Location:** Denz Deck; 400	124011883-05	***No***	NAD (by NYS ELAP 198.1) by Eric H. Ahles on 01/27/24
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 5.0%, Non-fibrous 95%			
20240122-4237-700.1-2 700.1 **Location:** Denz Deck; 400	124011883-06	***No***	NAD (by NYS ELAP 198.1) by Eric H. Ahles on 01/27/24
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 5.0%, Non-fibrous 95%			
20240122-4237-700.2-1 700.2 **Location:** Iso Paper; 400	124011883-07	***No***	NAD (by NYS ELAP 198.1) by Eric H. Ahles on 01/27/24
Analyst Description: Brown/White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 30%, Non-fibrous 70%			
20240122-4237-700.2-2 700.2 **Location:** Iso Paper; 400	124011883-08	***No***	NAD (by NYS ELAP 198.1) by Eric H. Ahles on 01/27/24
Analyst Description: Brown/White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 30%, Non-fibrous 70%			

Reporting Notes:

Analyzed by: Eric H. Ahles
Date: 1/27/2024

Reviewed by: Glenn F. Massey

*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis using Meiji, Model MT 6130 microscope, Serial #1410298, by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Client Name: Encorus Group Engineering P.C.

Table I
Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4

4237; Bancroft Architects & Engineers / John Robbins; Buffalo VAMC - Parking Ramp Expansion / 3495 Bailey Avenue Buffalo, NY 14215

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	20240122-4237-600-1	600	0.640	28.0	32.5	39.5	NAD	NAD
Location:	Expansion Joint Compound - Tan; 300							
02	20240122-4237-600-2	600	0.447	67.0	29.9	3.1	NAD	NAD
Location:	Expansion Joint Compound - Tan; 102							
03	20240122-4237-601-1	601	0.420	21.1	56.7	22.2	NAD	NAD
Location:	Door Caulk - Grey; 102							
04	20240122-4237-601-2	601	0.852	37.6	19.4	43.1	NAD	NAD
Location:	Door Caulk - Grey; 102							
05	20240122-4237-700.1-1	700.1	----	----	----	----	NAD	NA
Location:	Denz Deck; 400							
06	20240122-4237-700.1-2	700.1	----	----	----	----	NAD	NA
Location:	Denz Deck; 400							
07	20240122-4237-700.2-1	700.2	----	----	----	----	NAD	NA
Location:	Iso Paper; 400							
08	20240122-4237-700.2-2	700.2	----	----	----	----	NAD	NA
Location:	Iso Paper; 400							

Analyzed by: Glenn F. Massey

Reviewed by: Glenn F. Massey

Date: 1/27/2024

Semi-Quantitative Analysis: NAD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed due to positive stop; Trace = <1%; PLM analysis by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) or NY ELAP 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab # 10984); TEM prep by EPA 600/R-93/116 Section 2.3 (analysis by Section 2.5, not covered by NVLAP Bulk accreditation); or NY ELAP 198.4 for New York NOB samples (NY ELAP Lab # 10984). Analysis using Jeol, Model JEM-100CX II microscope, Serial #156147-247. ** Warning Notes: Consider PLM fiber diameter limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris, soils or other heterogeneous materials for which a combination PLM/TEM evaluation is recommended; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only.

124011883

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Bulk Chain of Custody

Email Report to:	labresults@encorus.com	**Turn Around Time**
		☐ RUSH
Client/Contact:	Bancroft Architects + Engineers	☐ 24 Hour
	John Robbins	☐ 48 Hour
Project/Location:	Buffalo VAMC - Parking Ramp Expansion	☑ 72 Hour
	3495 Bailey Avenue Buffalo, NY 14215	☐ 5 Day
Project No.:	4237	Other:

Analysis Requested:		**Protocol:**		**Notes:**
PLM	☑	☑	Negative PLM to TEM per ELAP protocols	
TEM	☑	☑	Positive Stop by HAN-ID#	
PCB	☐	☐	Layered analysis requested for:	
Other:		8	Total # of Samples	

Sample Name Date	Project	HAN	ID#	Description of Sample	Location of Sample
20240122	4237	600	1	Expansion Joint Compound - Tan	300
20240122	4237	600	2	Expansion Joint Compound - Tan	102
20240122	4237	601	1	Door Caulk - Grey	102
20240122	4237	601	2	Door Caulk - Grey	102
20240122	4237	700.1	1	Denz Deck	400
20240122	4237	700.1	2	Denz Deck	400
20240122	4237	700.2	1	Iso Paper	400
20240122	4237	700.2	2	Iso Paper	400
			1		
			2		
			3		
			4		
			5		
			6		
			7		
			8		
			9		
			10		
			11		
			12		
			13		
			14		
			15		

Sampled by: Daniel G. Korff
Relinquished by: C Schultheis
Received by:

Date: 01/22/2024
Date + Time: 1/23/24 800
Date + Time:

Received
JAN 24 2024
TLM

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Appendix D

XRF Spectrum Analyzer Report and Instrument Information

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LEAD PAINT INSPECTION REPORT

Bancroft Architects + Engineers
CLIENT

Buffalo Veterans Affairs Medical Center Parking Garage
INSPECTION LOCATION

January 22 and February 7, 2024
INSPECTION DATE(s)

Heuresis Corp. Pb200i
XRF INSTRUMENT TYPE

1633
XRF INSTRUMENT SERIAL NUMBER

1.0 mg/cm^2
ACTION LEVEL

SIGNED: Daniel G. Korff DATE: 02/14/2024

Company	Heuresis Corp.
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	1633
App Version	Pb200i-4.1-11

Reading #	Concentration	Units	Color	Substrate	Component	Orientation	Side	Condition	Space ID	Floor
496	1.1	mg/cm2	Calibration	Wood						
497	1	mg/cm2	Calibration	Wood						
498	1	mg/cm2	Calibration	Wood						
502	0	mg/cm2	Black	Metal	Roof flashing		B	Intact	400	Roof
535	1	mg/cm2	Green	Wood	CALIBRATION					
536	1	mg/cm2	Green	Wood	CALIBRATION					
537	0.9	mg/cm2	Green	Wood	CALIBRATION					
538	0.2	mg/cm2	Green	Concrete	Wall		B	Intact	100	First Floor
539	0.2	mg/cm2	Grey	Metal	Railing		C	Intact	100	First Floor
540	0.2	mg/cm2	Black	Metal	Louver		D	Intact	100	First Floor
541	0.1	mg/cm2	Grey	Metal	Railing		D	Intact	102	
542	0.1	mg/cm2	Black	Metal	Window	Frame	D	Intact	102	
543	0.4	mg/cm2	Red	Concrete	Wall		B	Intact	102	
544	0.1	mg/cm2	Yellow	Concrete	Wall		B	Intact	102	
545	0.2	mg/cm2	Black	Concrete	Louver		D	Intact	200	Second Floor
546	0.1	mg/cm2	Grey	Metal	Railing		D	Intact	200	Second Floor
547	0.1	mg/cm2	Grey	Metal	Railing		D	Intact	101	
548	0.2	mg/cm2	Grey	Metal	Structural Steel	Vertical	B	Intact	101	
549	0.4	mg/cm2	Grey	Concrete	Floor		-	Intact	101	
550	0.2	mg/cm2	Grey	Metal	Light Fixture		-	Intact	300	Third Floor
551	0.2	mg/cm2	Grey	Metal	Railing		-	Intact	300	Third Floor
552	0.2	mg/cm2	Black	Metal	Louver		-	Intact	300	Third Floor
553	0.5	mg/cm2	White	Metal	Ceiling		-	Intact	300	Third Floor
554	-0.1	mg/cm2	Black	Metal	Gutter		-	Intact	300	Third Floor
555	1	mg/cm2	Green	Wood	CALIBRATION					
556	1	mg/cm2	Green	Wood	CALIBRATION					
557	1	mg/cm2	Green	Wood	CALIBRATION					

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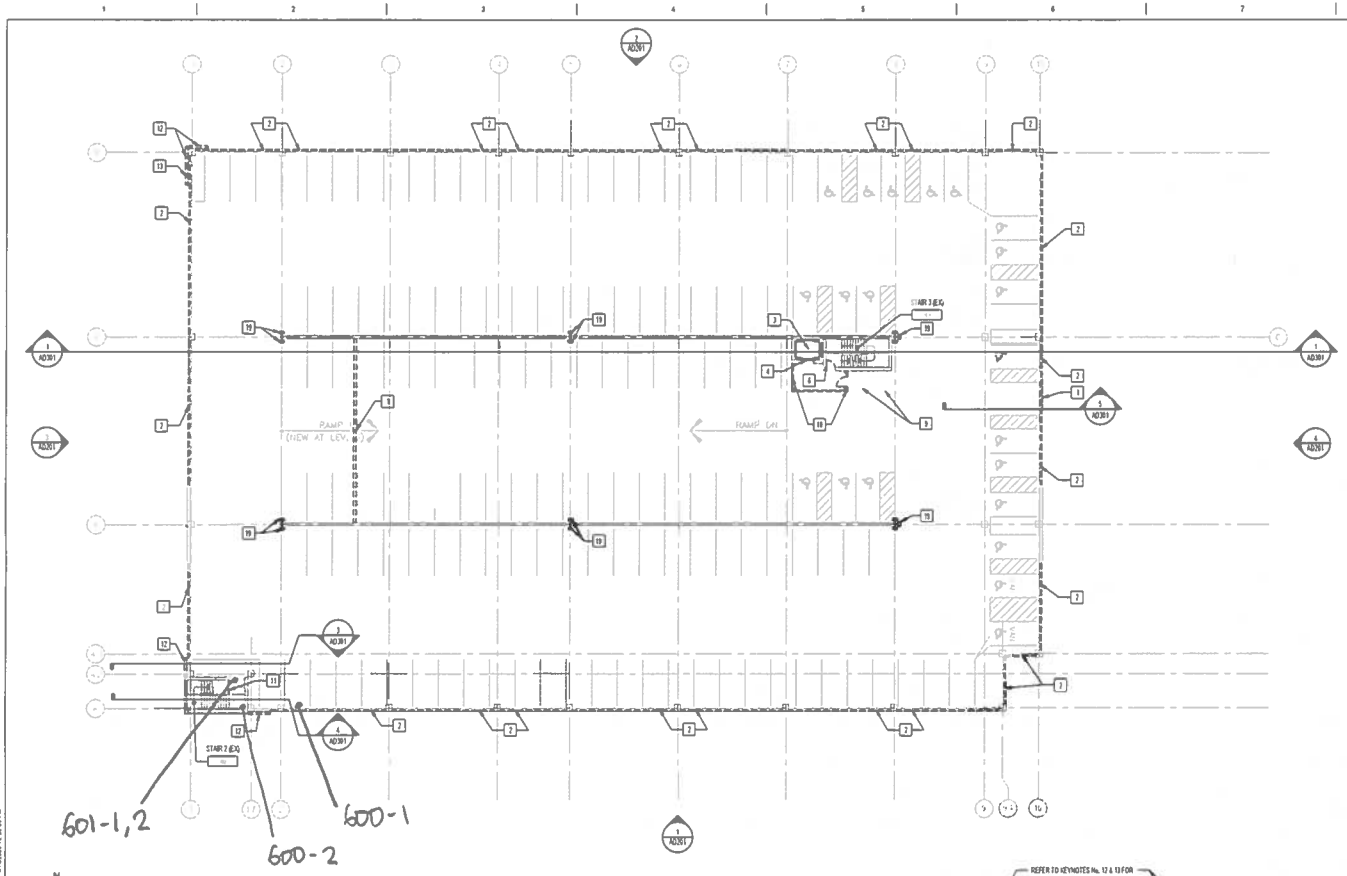
Appendix E

Sample Floor Plans



1 DEMOLTION PLAN - LEVEL 3
1/16"=1'-0"

DEMOLITION PLAN LEGEND

AREA NOT IN CONTRACT

EXISTING DOOR TO BE REMOVED- REFER TO KEYNOTES

EXISTING CONSTRUCTION TO REMAIN

EXISTING CONSTRUCTION TO BE REMOVED IN ITS ENTIRETY, INCLUDING WALL SWITCHES, OUTLETS THERMOSTATS ETC. REFER TO ENLARGED PLANS FOR ADDITIONAL NOTES.

GENERAL DEMOLITION NOTES

A. REFER TO SHEET G002 FOR BID DEDUCT ALTERNATE DESCRIPTIONS & GRIDS FOR GENERAL DEMOLITION NOTES.
B. COORDINATE EXTENT OF DEMOLITION AREAS WITH NEW FLOOR PLANS & ASSOCIATED DISCIPLINE DRAWINGS.
C. REVIEW THIS DRAWING IN CONJUNCTION WITH CORRESPONDING STRUCTURAL, CIVIL, FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR FULL SCOPE OF DEMOLITION WORK.
D. ALL DIMENSIONS INDICATED FOR LENGTH OF WALL / PARTITION TO BE REMOVED IS APPROXIMATE AND SUBJECT TO ANY ADDITIONAL DEMOLITION NECESSARY TO PROPERLY SPLICE IN THE NEW WORK ASSEMBLY AND PROVIDE FOR DOOR UNIT INSTALLATION AS PER THE DETAILS.
E. SEAL / FIRESTOP ALL OPENINGS IN EXISTING SMOKE AND FIRE RATED PARTITIONS AND FIRE RATED FLOORS THAT ARE ENCOUNTERED DURING DEMOLITION. INCLUDES ALL EXPOSED CONDUIT AND PIPING.
F. CONSTRUCTION ACTIVITIES THAT CREATE DUST PARTICULATES, SUCH AS CUTTING, SAW CUTTING, PIPE AND DUCT CUTTING, ETC. SHALL BE KEPT WITHIN THE PERIMETER OF THE NEW WORK.
G. REPLACE / RESPRAY FIREPROOFING THAT HAS BEEN KNOCKED OFF BEAMS, COLUMNS, ETC. DURING DEMOLITION.
H. REFER TO STRUCTURAL RESTORATION DRAWINGS FOR ADDITIONAL DEMOLITION SCOPE.

1 DEMOLITION PLAN KEY NOTES

* NOTE: NOT ALL NOTES MAY BE USED ON THIS SHEET

1. REMOVE PORTION OF EXISTING PRECAST CONCRETE WALL. COORDINATE EXTENTS WITH STRUCTURAL DRAWINGS.
2. REMOVE EXISTING STEEL RAILING AND MOUNTING HARDWARE IN ITS ENTIRETY- TYPICAL THROUGHOUT. PATCH AND REPAIR CONCRETE TO MATCH ADJACENT SURFACE, SEE PHOTOGRAPH AD101 FOR REFERENCE.
3. REMOVE ELEVATOR ASSEMBLY AND ALL ASSOCIATED COMPONENTS IN ITS ENTIRETY.
4. REMOVE ELEVATOR DOOR, FRAME, THRESHOLD, PUSH-BUTTON CONTROLS ETC. IN ITS ENTIRETY. PREP ADJACENT SURFACES FOR INFILL- REFER TO WALL TYPE SHEET.
5. REMOVE ELEVATOR CONTROL EQUIPMENT IN ITS ENTIRETY. COORDINATE W/ELECTRICAL DEMOLITION DRAWINGS.
6. REMOVE EXISTING DOOR PANEL & ASSOCIATED HARDWARE, EXISTING FRAME TO REMAIN UNLESS DAMAGED AND UNABLE TO RECEIVE NEW DOOR. SEE DOOR SCHEDULE FOR MORE INFORMATION.
7. SITE-RELATED DEMOLITION SHOWN FOR REFERENCE AND SCHEMATIC PURPOSES ONLY. COORDINATE EXACT EXTENTS OF DEMO WITH CIVIL DRAWINGS.
8. REMOVE EXISTING STOREFRONT FRAMING & GLAZING SYSTEM IN ITS ENTIRETY. PREP ADJACENT SURFACES FOR INFILL- REFER TO WALL TYPE SHEET.
9. REMOVE EXISTING BOLLARD AND ASSOCIATED ANCHORAGE. PATCH AND REPAIR CONCRETE TO MATCH ADJACENT SURFACE.
10. REMOVE EXISTING VESTIBULE ENCLOSURE ASSEMBLY IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO CONCRETE KNEEWALLS, ALUMINUM STOREFRONT & GLAZING, STRUCTURAL STEEL, ROOFING ETC. PATCH AND REPAIR CONCRETE SHAFTWALLS TO MATCH ADJACENT SURFACES.
11. REMOVE PORTION OF EXISTING TUBE STEEL GUARDRAIL. PATCH AND REPAIR CONCRETE SURFACE TO RECEIVE NEW. SEE DETAILS SHEET.
12. REMOVE SECTION OF EXISTING ALUM. ARCHITECTURAL SCREEN SYSTEM & ASSOCIATED STRUCTURAL STEEL SUPPORTS- COORDINATE EXTENT OF SCREEN REMOVAL WITH DEMOLITION ELEVATIONS. REFER TO SHEET AD103 FOR SUPPORTING PHOTOS. REPLACE ANY LOUVERS DUE TO DAMAGE DURING DEMOLITION / CONSTRUCTION.
13. REMOVE SECTION OF EXISTING CURTAINWALL SYSTEM & ASSOCIATED STRUCTURAL STEEL SUPPORTS- COORDINATE EXTENT OF REMOVAL TO NEAREST CLIP ANGLE & MAINTAIN COMPLETE FRAMING / GLAZING PANEL. REPLACE ANY FRAMES / PANELS DUE TO DAMAGE DURING DEMOLITION / CONSTRUCTION. REFER TO SHEET AD103 FOR SUPPORTING PHOTOS.
14. REMOVE EXISTING ROOF ASSEMBLY IN ITS ENTIRETY DOWN TO PRECAST SLAB. PREP SLAB TO RECEIVE NEW- COORDINATE WITH STRUCTURAL DRAWINGS.
15. REMOVE EXISTING MECHANICAL UNIT IN ITS ENTIRETY- COORDINATE WITH MECHANICAL DEMOLITION DRAWINGS.
16. REMOVE EXISTING ROOFING ASSEMBLY IN ITS ENTIRETY- COORDINATE WITH STRUCTURAL DRAWINGS.
17. REMOVE EXISTING VESTIBULE ROOFING ASSEMBLY IN ITS ENTIRETY, INCLUDING, BUT NOT LIMITED TO, STRUCTURAL STEEL FRAMING, DECKING, COPING ETC.
18. REMOVE EXISTING DOOR & FRAME IN ITS ENTIRETY. PREP ADJACENT SURFACES TO RECEIVE NEW FRAME & DOOR- SEE HARDWARE SCHEDULE.
19. REMOVE EXISTING LIGHT POLE AND ANCHOR COMPONENTS. SCRAPE CLEAN THE TOP OF EXISTING PRECAST COLUMN IN PREPARATION FOR NEW WORK. COORDINATE WITH ELECTRICAL DRAWINGS.
20. CAREFULLY REMOVE EXISTING SUN SHADE LOUVER AND ASSOCIATED ANCHOR COMPONENTS. PROTECT AND STORE FOR REINSTALLATION- COORDINATE WITH PLANS, ELEVATIONS AND DETAILS.
21. EXISTING ALUMINUM ARCHITECTURAL SCREEN SYSTEM TO REMAIN. PROTECT THROUGHOUT PROJECT DURATION AND REPLACE AS NEEDED IF DAMAGED. REFER TO SHEET AD103 FOR SUPPORTING PHOTOS.
22. REMOVE EXISTING STEEL GUARD RAILS, WIRE MESH SCREEN PANELS AND ASSOCIATED MOUNTING HARDWARE IN THEIR ENTIRETY. PATCH / REPAIR CONCRETE TO MATCH ADJACENT SURFACES.
23. REMOVE EXISTING METAL GUARDRAIL IN ITS ENTIRETY. COORDINATE WITH CIVIL DRAWINGS.
24. REMOVE EXISTING DOWNSPOUT AND CAP DRAIN. COORDINATE WITH PLUMBING DRAWINGS.
25. REMOVE EXISTING CURTAINWALL SYSTEM IN ITS ENTIRETY. REFER TO SHEET AD103 FOR SUPPORTING PHOTOS.

2 SCREEN & GLAZING
NTS

3 SCREEN & GLAZING
NTS

4 SCREEN & GLAZING
NTS

5 SCREEN & GLAZING
NTS

95% CONSTRUCTION DOCUMENTS SUBMITTAL	03-31-23
65% DESIGN DEVELOPMENT RESUBMITTAL	12-16-22
65% DESIGN DEVELOPMENT SUBMITTAL	11-14-22
PRE-65% DESIGN DEVELOPMENT SUBMITTAL	10-14-22
35% SCHEMATIC DESIGN SUBMITTAL	03-18-22
Revisions	Date

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

Bancroft Architects + Engineers
150 Durano Rd
Hampton, NH
T 847.962.3
www.bancroftae.com

STAMP

Office of Construction and Facilities Management

VA | U.S. Department of Veterans Affairs

Drawing Title: ARCHITECTURAL- DEMOLITION PLAN - LEVEL 3

Phase: 95% CONSTRUCTION DOCUMENTS

Approved: Project Director

Project Title: PARKING RAMP EXPANSION

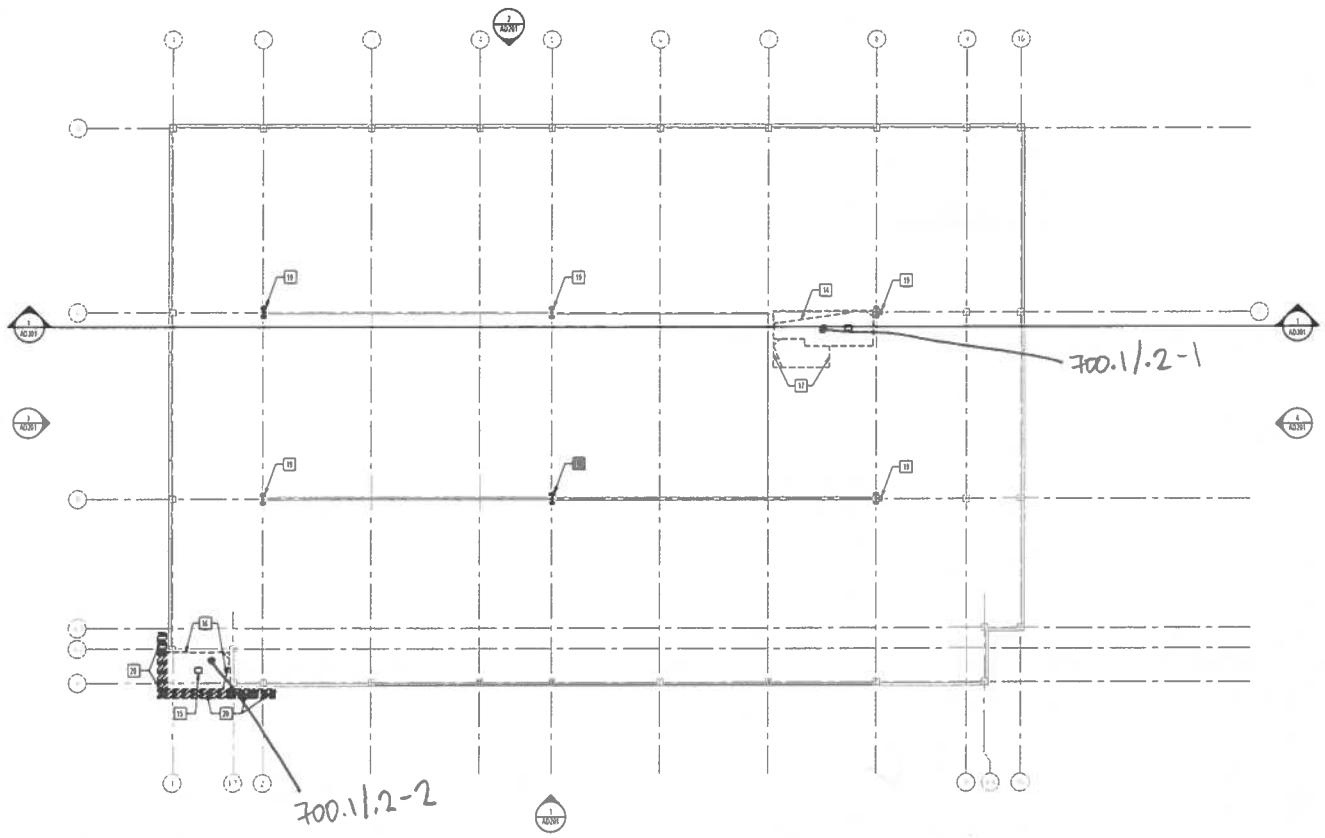
Location: 3495 BAILEY AVE., BUFFALO, NY 14215

Issue Date: 03-31-2023 | Checked: cz | Drawn: s

Project Number: 528-18-375

Building Number: 29

Drawing Number: AD103



1 DEMOLITION PLAN - EXISTING ROOF
1/16"=1'-0"

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GENERAL DEMOLITION NOTES

A. REFER TO SHEET G0002 FOR BID DEDUCT ALTERNATE DESCRIPTIONS & G0003 FOR GENERAL DEMOLITION NOTES.
B. COORDINATE EXTENT OF DEMOLITION AREAS WITH NEW FLOOR PLANS & ASSOCIATED DISCIPLINE DRAWINGS.
C. REVIEW THIS DRAWING IN CONJUNCTION WITH CORRESPONDING STRUCTURAL, CIVIL, FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR FULL SCOPE OF DEMOLITION WORK.
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2 DEMOLITION PLAN KEY NOTES

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25. REMOVE EXISTING CURTAINWALL SYSTEM IN ITS ENTIRETY. REFER TO SHEET AD103 FOR SUPPORTING PHOTOS.
26. REMOVE EXISTING FABRIC SCREEN INFILL AND ASSOCIATED ANCHORING /FASTENING HARDWARE. PATCH /REPAIR

95% CONSTRUCTION DOCUMENTS SUBMITTAL	03-31-23
65% DESIGN DEVELOPMENT RESUBMITTAL	12-16-22
65% DESIGN DEVELOPMENT SUBMITTAL	11-14-22
PRE-65% DESIGN DEVELOPMENT SUBMITTAL	10-14-22
35% SCHEMATIC DESIGN SUBMITTAL	03-10-22
Revisions	Date:

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

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Rochester, NY 14617
www.bancacorp.com

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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: ARCHITECTURAL - DEMOLITION PLAN - EXISTING ROOF
Approved: Project Director

Phase: 95% CONSTRUCTION DOCUMENTS

Project Title: PARKING RAMP EXPANSION
Location: 3495 BAILEY AVE., BUFFALO, NY 14215
Issue Date: 03-31-2023
Checked: CZ
Drawn: B

Project Number: 528-18-375
Building Number: 29
Drawing Number: AD104

VA FORM 08-6231

6/4/2023 12:39:03 PM
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Appendix F

Summary of Inspected Functional Spaces

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- 100 – First Floor Garage
- 101 – Stair Tower 1
- 102 – Stair Tower 2
- 200 – Second Floor Garage
- 300 – Third Floor Garage
- 400 – Roof
- 401 – Upper Roof