



350 Elmwood Ave. • Buffalo, NY 14222

☎ 716.332.3134

☎ 716.332.3136

December 3, 2012

Mr. Mike Rogalski
Ram-Tech Engineers
2495 Main Street, Suite 435
Buffalo, New York 14214

**Re: Pre-Renovation Asbestos Inspection Services
Buffalo VA Steam Risers
3495 Bailey Avenue
Buffalo, New York 14215**

Dear Mr. Rogalski:

Enclosed please find a copy of the Pre-Renovation Asbestos Inspection report for the above-referenced property.

If after reviewing this report you have any questions, or if we can be of assistance in any other way, please do not hesitate to call. Thank you for the opportunity to be of service to Ram-Tech Engineers.

Sincerely,
Sienna Environmental Technologies LLC

John Pusztay
Environmental Department Manager

CERTIFIED WBE • MBE • DBE

siennaet.com



Pre-Renovation Asbestos Inspection

Of

**Buffalo VA Steam Risers
3495 Bailey Avenue
Buffalo, New York 14215**

Prepared for:

**Ram-Tech Engineers
2495 Main Street, Suite 435
Buffalo, New York 14214**

Conditions as of:

November 21, 2012



Summary Tabulation

Pre-Renovation Asbestos Inspection

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Pre-Renovation Asbestos Inspection

1. Introduction

Sienna Environmental Technologies (Sienna) was retained by Ram-Tech Engineers to perform an investigation of Buffalo VA Steam Risers located at 3495 Bailey Avenue in Buffalo, New York for the presence of suspect asbestos-containing materials, prior to building renovation as indicated in progress drawings H100-H111 dated 10/24/12.

Sienna was charged with conducting the following tasks:

- Locating suspect asbestos containing materials
- Sampling of these materials to ascertain asbestos content
- Identifying the locations, quantities, friability and conditions of confirmed asbestos containing 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 building materials (ACBM). 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 763.46 Asbestos Hazard Emergency Response Act

The report is generated for the exclusive use of client and is not designed to serve as a specification for abatement. Before requesting bids for abatement of materials identified in this report, the owner is strongly encouraged to contract with a consultant to provide this service.

2. Methodology

All work performed by Sienna Environmental Technologies 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), and Occupational Safety and Health Administration regulations. All Sienna Environmental Technologies' 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 homogeneous areas, 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 are listed in **SECTION 3 Executive Summary**.

3. Executive Summary

The pre-renovation asbestos survey included identification, sampling, analysis and quantification of confirmed asbestos containing components at Buffalo VA Steam Risers, located at 3495 Bailey Avenue in Buffalo, New York. Copies of all laboratory analysis reports and chains of custody listing locations of sample collection are located in Appendix C.

3A. Suspect Asbestos-containing Materials

The inspection was conducted on November 21, 2012 and revealed the following materials as requiring sampling and analysis (see Section 4 Inspection Notes):

Buffalo VA Steam Risers

HAN Number	Description
100A/B 200A/B	Plaster Skim/Base coat
101A/B/C 205A/B/C	Drywall Joint Tape/Joint Compound/ Drywall Board
102	4" Ceramic Tile Grout, Mastic, Thinset
201	2'x4' Dot and Fissure
202	2'x2' Dot and Fissure
203	1'x1' Dot and Fissure Pattern
204	2'x2' Textured Ceiling Tile
400	Mud Fittings
401	Transite Pipe
600	Fire Stop Caulk
601	Light Weight Cement
602	Encapsulant
603	Duct Sealant (brown)
604	Spray on Fire Proofing (grey)
605	Fire Door
606	6" Base Cove
607	Duct Sealant (grey)
608	4" Basecove

3B. Asbestos-containing Materials

Sampling and analysis of the suspect materials under Polarized Light Microscopy, and where necessary under Transmission Electron Microscopy, confirmed the following materials as asbestos containing building materials (See Appendix C for laboratory reports and chains of custody):

Buffalo VA Steam Risers

HAN Number	Description	Location *	Approximate Quantity	Friability	Condition
102	4" Ceramic Tile Grout, Mastic, Thinset (Note 4)	Room 3-7	240 SF	Friable	I
401	Transite Pipe (Note 4)	B-2 Stairwell, 1-1, 2-1, 3-1, 4-1, 5-5, 6-1, 7-1, 8-5, 9-2, 10-1	170 LF	Friable	I
605	Fire Door (Note 4)	Sub1, Sub Basement C-wing Hallway, Sub 5, Sub 7, B-1, B-2 Stairwell, B-3, 1-1, 1-4, 1-6, 1-7, 1-11, 2-1, 2-3, 2-7, 2-9, 2-11, 3-1, 3-6, 3-8, 4-1, 4-4, 4-6, 5-1, 5-2, 5-3, 5-5, 6-1, 6-2, 6-3, 6-5, 7-1, 7-2, 7-3, 7-5, 8-1, 8-3, 8-4, 8-5, 9-1, 9-2, 9-3, 9-5, 10-1, 10-2, 10-3 and 10-4	49 Fire Doors	Non-Friable	I
606	6" Basecove (Note 4)	B-4, B-5, 1-2, 1-3, 1-8, 1-9, 1-10, 2-4, 2-5, 2-8, 3-3, 3-7, 4-5, 5-6, 5-7, 6-4, 7-6, 9-4	611 SF	Non-Friable	I
608	4" Basecove (Note 4)	Rooms 1-5, 1-6, 1-12, 1-13, 2-10, 2-11, 5-4, 7-4 and 8-2	316 SF	Non-Friable	I

Condition Notes: I = Intact D = Damaged SD = Significantly Damaged

*Refer to Appendix D for enumeration of spaces

4. Inspection Notes

- Note 1: Flooring materials were not indicated to be disturbed by planned renovations, and were therefore not assessed during this inspection.
- Note 2: Rooms 3-4 and 3-5 were inaccessible because they are sterile laboratory environments.
- Note 3: No access to rooms 4-7 and 4-8.
- Note 4: Material was not sampled and is assumed asbestos containing



Appendix A General Conditions of Inspection

1. Sienna Environmental Technologies 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. Sienna Environmental Technologies neither accepts nor implies any liability for ACBM 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. Sienna Environmental Technologies 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. Sienna Environmental Technologies 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 relies heavily upon identification of homogeneous areas, with sampling and laboratory analysis then 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 fact that asbestos fibers are not always uniformly distributed throughout suspect surfaces or materials. Although Sienna Environmental Technologies attempts to minimize the risk of a false positive or false negative result through a comprehensive inspection protocol, the possibility does exist, and could only be completely eliminated through testing and analysis of 100% of each suspect surface, which is not practical.



Appendix B Certifications and Licenses

NEW YORK STATE DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Sienna Environmental Technologies LLC
350 Elmwood Avenue
Buffalo, NY 14222

FILE NUMBER: 001037
LICENSE NUMBER: 29432
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 02/08/2012
EXPIRATION DATE: 02/28/2013

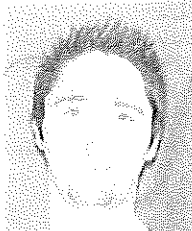
Duly Authorized Representative: Susahne Kelley

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.

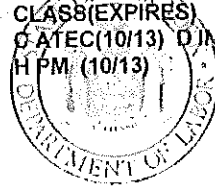
This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate,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

Maureen A. Cox
Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



KRISTOPHER R DUNAWAY
CLASS(EXPIRES)
DATEC(10/13) DINSP(10/13)
HPM (10/13)



CERT# 11-18263
DMV# 408692118

MUST BE CARRIED ON ASBESTOS PROJECTS



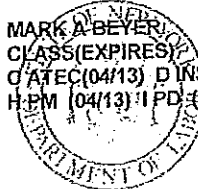
EYES HAZ
HAIR BRO
HGT 6' 07"

IF FOUND RETURN TO:
NYSDEL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



MARK A BEYER
CLASS(EXPIRES)
DATEC(04/13) DINSP(04/13)
H-PM (04/13) IPD(04/14)



CERT# 11-10051
BRN# 319717979

MUST BE CARRIED ON ASBESTOS PROJECTS

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER**COPY**Expires 12:01 AM April 01, 2013
Issued April 1, 2012**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE***Issued in accordance with and pursuant to section 502 Public Health Law of New York State***DR. THOMAS MCKEE
AMERISCI RICHMOND
13035 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	EPA 600/4-82/020
	Item 188.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 188.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 188.4 of Manual

COPY**COPY**

Serial No.: 46686

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (610) 485-3570 to verify the laboratory's accreditation status.



Appendix C Laboratory Reports and Chains of Custody

**AmeriSci Richmond**

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

PLM Bulk Asbestos Report

Sienna Environmental Technologies, LL
Attn: Joseph Postore
350 Elmwood Ave
Buffalo, NY 14222

Date Received 11/23/12
Date Examined 11/26/12
ELAP # 10984
RE: SET 1941; Ram-Tech Engineers / Mike Rogalski; VA Hospital / Bailey Ave

AmeriSci Job # 112111861
P.O. #
Page 1 of 9

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
11/21-1941-100-A-1 1 Location: Sklm; Sub-7	112111861-01	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
11/21-1941-100-B-1 1 Location: Base; Sub-7	112111861-02	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
11/21-1941-100-A-2 1 Location: Sklm; B-2	112111861-03	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
11/21-1941-100-B-2 1 Location: Base; B-2	112111861-04	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
11/21-1941-100-A-3 1 Location: Sklm; 2-4	112111861-05	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			

Client Name: Sienna Environmental Technologies, LLC

PLM Bulk Asbestos ReportSET 1941; Ram-Tech Engineers / Mike Rogalski; VA Hospital /
Bailey Ave

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
11/21-1941-100-B-3 1 Location: Base; 2-4	112111861-06	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
11/21-1941-100-A-4 1 Location: Skim; 2-8	112111861-07	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
11/21-1941-100-B-4 1 Location: Base; 2-8	112111861-08	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
11/21-1941-100-A-5 1 Location: Skim; 2-2	112111861-09	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
11/21-1941-100-B-5 1 Location: Base; 2-2	112111861-10	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
11/21-1941-200-A-1 2 Location: Skim; 4-4	112111861-11	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			

Client Name: Sienna Environmental Technologies, LLC

PLM Bulk Asbestos ReportSET 1941; Ram-Tech Engineers / Mike Rogalski; VA Hospital /
Bailey Ave

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
11/21-1941-200-B-1 2 Location: Base; 4-4	112111861-12	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
11/21-1941-200-A-2 2 Location: Skim; 5-5	112111861-13	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
11/21-1941-200-B-2 2 Location: Base; 5-5	112111861-14	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
11/21-1941-200-A-3 2 Location: Skim; 6-3	112111861-15	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
11/21-1941-200-B-3 2 Location: Base; 6-3	112111861-16	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
11/21-1941-200-A-4 2 Location: Skim; 10-2	112111861-17	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			

Client Name: Sienna Environmental Technologies, LLC

PLM Bulk Asbestos ReportSET 1941; Ram-Tech Engineers / Mike Rogalski; VA Hospital /
Bailey Ave

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
11/21-1941-200-B-4 2 Location: Base; 10-2	112111861-18	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
11/21-1941-201-1 3 Location: 2'x4' Ceiling Tile; B-2	112111861-19	No	NAD (by NYS ELAP 198.6) by Donna M. Blackwell on 11/26/12
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-Asbestos/Inert 37.1 %			
11/21-1941-201-2 3 Location: 2'x4' Ceiling Tile; B-2	112111861-20	No	NAD (by NYS ELAP 198.6) by Donna M. Blackwell on 11/26/12
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-Asbestos/Inert 35.4 %			
11/21-1941-202-1 4 Location: 2'x2' Ceiling Tile; B-4	112111861-21	No	NAD (by NYS ELAP 198.6) by Donna M. Blackwell on 11/26/12
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-Asbestos/Inert 24.3 %			
11/21-1941-202-2 4 Location: 2'x2' Ceiling Tile; B-4	112111861-22	No	NAD (by NYS ELAP 198.6) by Donna M. Blackwell on 11/26/12
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-Asbestos/Inert 26.5 %			
11/21-1941-203-1 5 Location: 1'x1' Ceiling Tile; 1-3	112111861-23	No	NAD (by NYS ELAP 198.6) by Donna M. Blackwell on 11/26/12
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-Asbestos/Inert 59.7 %			

Client Name: Sienna Environmental Technologies, LLC

PLM Bulk Asbestos ReportSET 1941; Ram-Tech Engineers / Mike Rogalski; VA Hospital /
Bailey Ave

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
11/21-1941-203-2 5 Location: 1'x1' Ceiling Tile; 1-3	112111861-24	No	NAD (by NYS ELAP 198.6) by Donna M. Blackwell on 11/26/12
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-Asbestos/Inert 64.7 %			
11/21-1941-204-1 6 Location: 2'x2' Ceiling Tile; 1-10	112111861-25	No	NAD (by NYS ELAP 198.6) by Donna M. Blackwell on 11/26/12
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-Asbestos/Inert 38.5 %			
11/21-1941-204-2 6 Location: 2'x2' Ceiling Tile; 1-10	112111861-26	No	NAD (by NYS ELAP 198.6) by Donna M. Blackwell on 11/26/12
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-Asbestos/Inert 44.9 %			
11/21-1941-101-A-1 7 Location: Joint Tape; B-2	112111861-27	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 100 %			
11/21-1941-101-B-1 7 Location: Joint Compound; B-2	112111861-28	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
11/21-1941-101-C-1 7 Location: Drywall; B-2	112111861-29	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: Brown/Off-White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 15 %, Fibrous glass 3 %, Non-fibrous 82 %			

Client Name: Sienna Environmental Technologies, LLC

PLM Bulk Asbestos ReportSET 1941; Ram-Tech Engineers / Mike Rogalski; VA Hospital /
Bailey Ave

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
11/21-1941-205-A-1 8 Location: Joint Tape; 5-4	112111861-30	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
11/21-1941-205-B-1 8 Location: Joint Compound; 5-4	112111861-31	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
11/21-1941-205-C-1 8 Location: Drywall; 5-4	112111861-32	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: Brown/Off-White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 13 %, Fibrous glass 2 %, Non-fibrous 85 %			
11/21-1941-400-1 9 Location: Mud Fittings; Sub-4	112111861-33	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 40 %, Non-fibrous 60 %			
11/21-1941-400-2 9 Location: Mud Fittings; Sub-4	112111861-34.1	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: Gray, Homogeneous, Fibrous, Mud Asbestos Types: Other Material: Fibrous glass 40 %, Non-fibrous 60 %			
11/21-1941-400-2 9 Location: Mud Fittings; Sub-4	112111861-34.2	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: Gray-White, Homogeneous, Non-Fibrous, Wrap Asbestos Types: Other Material: Cellulose 5 %, Fibrous glass 50 %, Non-fibrous 45 %			

Client Name: Sienna Environmental Technologies, LLC

PLM Bulk Asbestos ReportSET 1941; Ram-Tech Engineers / Mike Rogalski; VA Hospital /
Bailey Ave

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
11/21-1941-600-1 10	112111861-35 Location: Fire Stop Caulk; Sub-5	No	NAD (by NYS ELAP 198.6) by Donna M. Blackwell on 11/26/12
Analyst Description: Red, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-Asbestos/Inert 17.5 %			
11/21-1941-600-2 10	112111861-36 Location: Fire Stop Caulk; Sub-4	No	NAD (by NYS ELAP 198.6) by Donna M. Blackwell on 11/26/12
Analyst Description: Red, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-Asbestos/Inert 18.9 %			
11/21-1941-601-1 11	112111861-37 Location: Light Weight Cement; Sub-4	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
11/21-1941-601-2 11	112111861-38 Location: Light Weight Cement; Sub-5	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
11/21-1941-602-1 12	112111861-39 Location: Encapsulant; Sub-8	No	NAD (by NYS ELAP 198.6) by Donna M. Blackwell on 11/26/12
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-Asbestos/Inert 44.5 %			
11/21-1941-602-2 12	112111861-40 Location: Encapsulant; Sub-7	No	NAD (by NYS ELAP 198.6) by Donna M. Blackwell on 11/26/12
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-Asbestos/Inert 50.2 %			

Client Name: Sienna Environmental Technologies, LLC

PLM Bulk Asbestos ReportSET 1941; Ram-Tech Engineers / Mike Rogalski; VA Hospital /
Bailey Ave

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
11/21-1941-603-1 13	112111861-41 Location: Duct Sealant - Brown; Sub-2	No	NAD (by NYS ELAP 198.6) by Donna M. Blackwell on 11/26/12
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-Asbestos/Inert 36.6 %			
11/21-1941-603-2 13	112111861-42 Location: Duct Sealant - Brown; Sub-2	No	NAD (by NYS ELAP 198.6) by Donna M. Blackwell on 11/26/12
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-Asbestos/Inert 34.6 %			
11/21-1941-604-1 14	112111861-43 Location: Spray On Fireproofing; Sub-1	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 95 %, Non-fibrous 5 %			
11/21-1941-604-2 14	112111861-44 Location: Spray On Fireproofing; Sub-1	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 98 %, Non-fibrous 2 %			
11/21-1941-604-3 14	112111861-45 Location: Spray On Fireproofing; Sub-1	No	NAD (by NYS ELAP 198.1) by Donna M. Blackwell on 11/26/12
Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 95 %, Non-fibrous 5 %			
11/21-1941-607-1 15	112111861-46 Location: Duct Sealant - Grey; B-5	No	NAD (by NYS ELAP 198.6) by Donna M. Blackwell on 11/26/12
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-Asbestos/Inert 4.5 %			

Client Name: Sienna Environmental Technologies, LLC

PLM Bulk Asbestos ReportSET 1941; Ram-Tech Engineers / Mike Rogalski; VA Hospital /
Bailey Ave

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
11/21-1941-607-2 15	112111861-47 Location: Duct Sealant - Grey; B-5	No	NAD (by NYS ELAP 198.6) by Donna M. Blackwell on 11/26/12
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-Asbestos/Inert 4.2 %			

Reporting Notes:

Analyzed by: Donna M. Blackwell *Donna M. Blackwell* Date *11/26/12*
*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 by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples (198.6 for NOB samples)(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.

Reviewed By: _____

AmeriSci Job #: 112111861

Client Name: Sienna Environmental Technologies, LLC

Table I

Summary of Bulk Asbestos Analysis Results

SET 1941; Ram-Tech Engineers / Mike Rogalski; VA Hospital / Bailey Ave

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	11/21-1941-100-A-1	1	---	---	---	---	NAD	NA
Location: Skim; Sub-7								
02	11/21-1941-100-B-1	1	---	---	---	---	NAD	NA
Location: Base; Sub-7								
03	11/21-1941-100-A-2	1	---	---	---	---	NAD	NA
Location: Skim; B-2								
04	11/21-1941-100-B-2	1	---	---	---	---	NAD	NA
Location: Base; B-2								
05	11/21-1941-100-A-3	1	---	---	---	---	NAD	NA
Location: Skim; 2-4								
06	11/21-1941-100-B-3	1	---	---	---	---	NAD	NA
Location: Base; 2-4								
07	11/21-1941-100-A-4	1	---	---	---	---	NAD	NA
Location: Skim; 2-8								
08	11/21-1941-100-B-4	1	---	---	---	---	NAD	NA
Location: Base; 2-8								
09	11/21-1941-100-A-5	1	---	---	---	---	NAD	NA
Location: Skim; 2-2								
10	11/21-1941-100-B-5	1	---	---	---	---	NAD	NA
Location: Base; 2-2								
11	11/21-1941-200-A-1	2	---	---	---	---	NAD	NA
Location: Skim; 4-4								
12	11/21-1941-200-B-1	2	---	---	---	---	NAD	NA
Location: Base; 4-4								
13	11/21-1941-200-A-2	2	---	---	---	---	NAD	NA
Location: Skim; 5-5								
14	11/21-1941-200-B-2	2	---	---	---	---	NAD	NA
Location: Base; 5-5								
15	11/21-1941-200-A-3	2	---	---	---	---	NAD	NA
Location: Skim; 6-3								
16	11/21-1941-200-B-3	2	---	---	---	---	NAD	NA
Location: Base; 6-3								

See Reporting notes on last page

AmeriSci Job #: 112111861

Client Name: Sienna Environmental Technologies, LLC

Table I

Summary of Bulk Asbestos Analysis Results

SET 1941; Ram-Tech Engineers / Mike Rogalski; VA Hospital / Bailey Ave

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	*** Asbestos % by TEM
17	11/21-1941-200-A-4	2	—	—	—	—	NAD	NA
Location: Skim; 10-2								
18	11/21-1941-200-B-4	2	—	—	—	—	NAD	NA
Location: Base; 10-2								
19	11/21-1941-201-1	3	0.351	14.0	48.9	37.1	NAD	NAD
Location: 2'x4' Ceiling Tile; B-2								
20	11/21-1941-201-2	3	0.398	13.5	51.1	35.4	NAD	NAD
Location: 2'x4' Ceiling Tile; B-2								
21	11/21-1941-202-1	4	0.597	15.9	59.9	24.3	NAD	NAD
Location: 2'x2' Ceiling Tile; B-4								
22	11/21-1941-202-2	4	0.322	14.5	59.1	26.5	NAD	NAD
Location: 2'x2' Ceiling Tile; B-4								
23	11/21-1941-203-1	5	0.388	14.3	26.0	59.7	NAD	NAD
Location: 1'x1' Ceiling Tile; 1-3								
24	11/21-1941-203-2	5	0.504	16.0	19.3	64.7	NAD	NAD
Location: 1'x1' Ceiling Tile; 1-3								
25	11/21-1941-204-1	6	0.359	23.5	38.0	38.5	NAD	NAD
Location: 2'x2' Ceiling Tile; 1-10								
26	11/21-1941-204-2	6	0.378	22.2	32.9	44.9	NAD	NAD
Location: 2'x2' Ceiling Tile; 1-10								
27	11/21-1941-101-A-1	7	—	—	—	—	NAD	NA
Location: Joint Tape; B-2								
28	11/21-1941-101-B-1	7	—	—	—	—	NAD	NA
Location: Joint Compound; B-2								
29	11/21-1941-101-C-1	7	—	—	—	—	NAD	NA
Location: Drywall; B-2								
30	11/21-1941-205-A-1	8	—	—	—	—	NAD	NA
Location: Joint Tape; 5-4								
31	11/21-1941-205-B-1	8	—	—	—	—	NAD	NA
Location: Joint Compound; 5-4								
32	11/21-1941-205-C-1	8	—	—	—	—	NAD	NA
Location: Drywall; 5-4								

See Reporting notes on last page

AmeriSci Job #: 112111861

Client Name: Sienna Environmental Technologies, LLC

Table I

Summary of Bulk Asbestos Analysis Results

SET 1941; Ram-Tech Engineers / Mike Rogalski; VA Hospital / Bailey Ave

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	11/21-1941-400-1	9	---	---	---	---	NAD	NA
Location: Mud Fittings; Sub-4								
34.1	11/21-1941-400-2	9	---	---	---	---	NAD	NA
Location: Mud Fittings; Sub-4								
34.2	11/21-1941-400-2	9	---	---	---	---	NAD	NA
Location: Mud Fittings; Sub-4								
35	11/21-1941-600-1	10	0.572	39.7	42.7	17.5	NAD	NAD
Location: Fire Stop Caulk; Sub-5								
36	11/21-1941-600-2	10	0.747	40.6	40.5	18.9	NAD	NAD
Location: Fire Stop Caulk; Sub-4								
37	11/21-1941-601-1	11	---	---	---	---	NAD	NA
Location: Light Weight Cement Sub-4								
38	11/21-1941-601-2	11	---	---	---	---	NAD	NA
Location: Light Weight Cement; Sub-5								
39	11/21-1941-602-1	12	0.461	43.4	12.1	44.5	NAD	NAD
Location: Encapsulant; Sub-8								
40	11/21-1941-602-2	12	0.487	42.5	7.3	50.2	NAD	NAD
Location: Encapsulant; Sub-7								
41	11/21-1941-603-1	13	0.569	61.2	2.2	36.5	NAD	Chrysotile Trace
Location: Duct Sealant - Brown; Sub-2								
42	11/21-1941-603-2	13	0.460	61.4	4.0	34.5	NAD	Chrysotile Trace
Location: Duct Sealant - Brown; Sub-2								
43	11/21-1941-604-1	14	---	---	---	---	NAD	NA
Location: Spray On Fireproofing; Sub-1								
44	11/21-1941-604-2	14	---	---	---	---	NAD	NA
Location: Spray On Fireproofing; Sub-1								
45	11/21-1941-604-3	14	---	---	---	---	NAD	NA
Location: Spray On Fireproofing; Sub-1								
46	11/21-1941-607-1	15	0.341	34.6	61.0	4.5	NAD	NAD
Location: Duct Sealant - Grey; B-5								
47	11/21-1941-607-2	15	0.330	34.2	61.6	4.2	NAD	NAD
Location: Duct Sealant - Grey; B-5								

See Reporting notes on last page

AmeriSci Job #: 112111861

Client Name: Sienna Environmental Technologies, LLC

Table I

Summary of Bulk Asbestos Analysis Results

SET 1941; Ram-Tech Engineers / Mike Rogalski; VA Hospital / Bailey Ave

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
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Reviewed by:  Date Reviewed: _____ Analyzed By: Beverly A. Schrage Date Analyzed: 11/26/2012

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/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 101904-0) or NY ELAP 198.1 for New York friable samples (198.6 for NOB samples) (NY ELAP Lab # 10984);
TEM analysis by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation); or NY ELAP 198.4 for New York NOB samples (NY ELAP Lab # 10984);

** 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.

Fax/Email Report to: _____

Client/Contact: <u>Ram-Tech Engineers / Mike Rogalski</u>	Turn around (circle) RUSH 48 Hour 24 Hour <u>72 Hour</u>
Building/Location: <u>V.A Hospital / Bailey Ave</u>	
Job #: <u>SET 1941</u> Total # Samples: <u>47</u>	

☒ PLM ☒ TEM ☐ AAS ☐ OTHER

Sample #				Description of Sample	Location of Sample	Notes
Date	Job	HAN	ID#			
11/21	1941	100	A-1	SKim	Sub 7	
			B-1	Base	↓	
			A-2	SKim	B-2	
			B-2	Base	↓	
			A-3	SKim	2-4	
			B-3	Base	↓	
			A-4	SKim	2-8	
			B-4	Base	↓	
			A-5	SKim	2-2	
			B-5	Base	↓	
		200	A-1	SKim	4-4	x
			B-1	Base	↓	
			A-2	SKim	5-5	
			B-2	Base	↓	
			A-3	SKim	6-3	

Notes:

 Yes ☒ No ☐
☒ ☐

Negative PLM to TEM per ELAP protocols

Positive stop by HAN

Layered analysis is expected - Sample HAN-ID # _____

Sampled By: <u>RRK</u>	Date: <u>11/21/12</u>
Relinquished By: <u>RRD</u>	Date: <u>11/21/12</u>
Received By: _____	Date: _____

Fax/Email Report to: _____

 Client/Contact: Ram-Tech Engineers / Mike Rogalski

 Building/Location: V.A. Hospital / Bailey Ave.

 Job #: SET 1941 Total # Samples: 47

 Turn around
(circle)

RUSH 48 Hour

 24 Hour 72 Hour
☒ PLM ☒ TEM ☐ AAS ☐ OTHER

Sample #				Description of Sample	Location of Sample	Notes
Date	Job	HAN	ID#			
11/21	1941	200	B-3	Base	6-3	
			A-4	SKim	10-2	
			B-4	Base	↓	
		201	1	2'x4' ceiling tile	B-2	
		↓	2	↓	↓	
		202	1	2'x2' ceiling tile	B-4	
		↓	2	↓	↓	
		203	1	1'x1' ceiling tile	1-3	
		↓	2	↓	↓	
		204	1	2'x2' ceiling tile	1-1c	
		↓	2	↓	↓	
		101	A-1	Joint Tape	B-2	
		↓	B-1	Joint Compound	↓	
		↓	C-1	Drywall	↓	
		205	A-1	Joint Tape	S-4	

Notes:

☒ Yes

☐ No

 Negative PLM to TEM per ELAP protocols
 Positive stop by HAN

Layered analysis is expected - Sample HAN-ID # _____

 Sampled By: KRP

 Date: 11/21/12

 Relinquished By: KRP

 Date: 11/21/12

Received By: _____

Date: _____

Fax/Email Report to: _____

Client/Contact: <u>Ram-tech Engineers / Mike Rogalski</u>	Turn around (circle) RUSH 48 Hour 24 Hour 72 Hour
Building/Location: <u>V.A Hospital / Bailey Ave.</u>	
Job #: <u>SET 1941</u> Total # Samples: <u>47</u>	

☒ PLM ☒ TEM ☐ AAS ☐ OTHER

Sample #				Description of Sample	Location of Sample	Notes
Date	Job	HAN	ID#			
11/21	1941	205	B-1	Joint Compound	S-4	.
		↓	C-1	Drywall	↓	.
		400	1	Mud Fillings	Sub-4	.
		↓	2	↓	↓	.
		600	1	Fire Stop Caulk	Sub 5	.
		↓	2	↓	Sub 4	.
		601	1	Light Weight Cement	Sub 4	.
		↓	2	↓	Sub 5	.
		602	1	Encapsulant	Sub 8	.
		↓	2	↓	Sub 7	.
		603	1	Dext Sealant - Brown	Sub 2	.
		↓	2	↓	↓	.
		604	1	Spray on Fireproofing	Sub 1	.
		↓	2	↓	↓	.
↓	↓	↓	3	↓	↓	.

Notes:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Negative PLM to TEM per ELAP protocols Positive stop by HAN Layered analysis is expected - Sample HAN-ID # _____
--------	---	--

Sampled By: <u>RRD</u>	Date: <u>11/21/12</u>
Relinquished By: <u>RRD</u>	Date: <u>11/21/12</u>
Received By: _____	Date: _____

Fax/Email Report to: _____

Client/Contact: <u>Ram-tech Engineers / Mike Rogalski</u> Building/Location: <u>V.A Hospital / Buffalo - Bailey Ave</u>	Turn around (circle) RUSH 48 Hour 24 Hour <u>72 Hour</u>
Job #: <u>SET 1941</u> Total # Samples: <u>47</u>	

☒ PLM ☒ TEM ☐ AAS ☐ OTHER

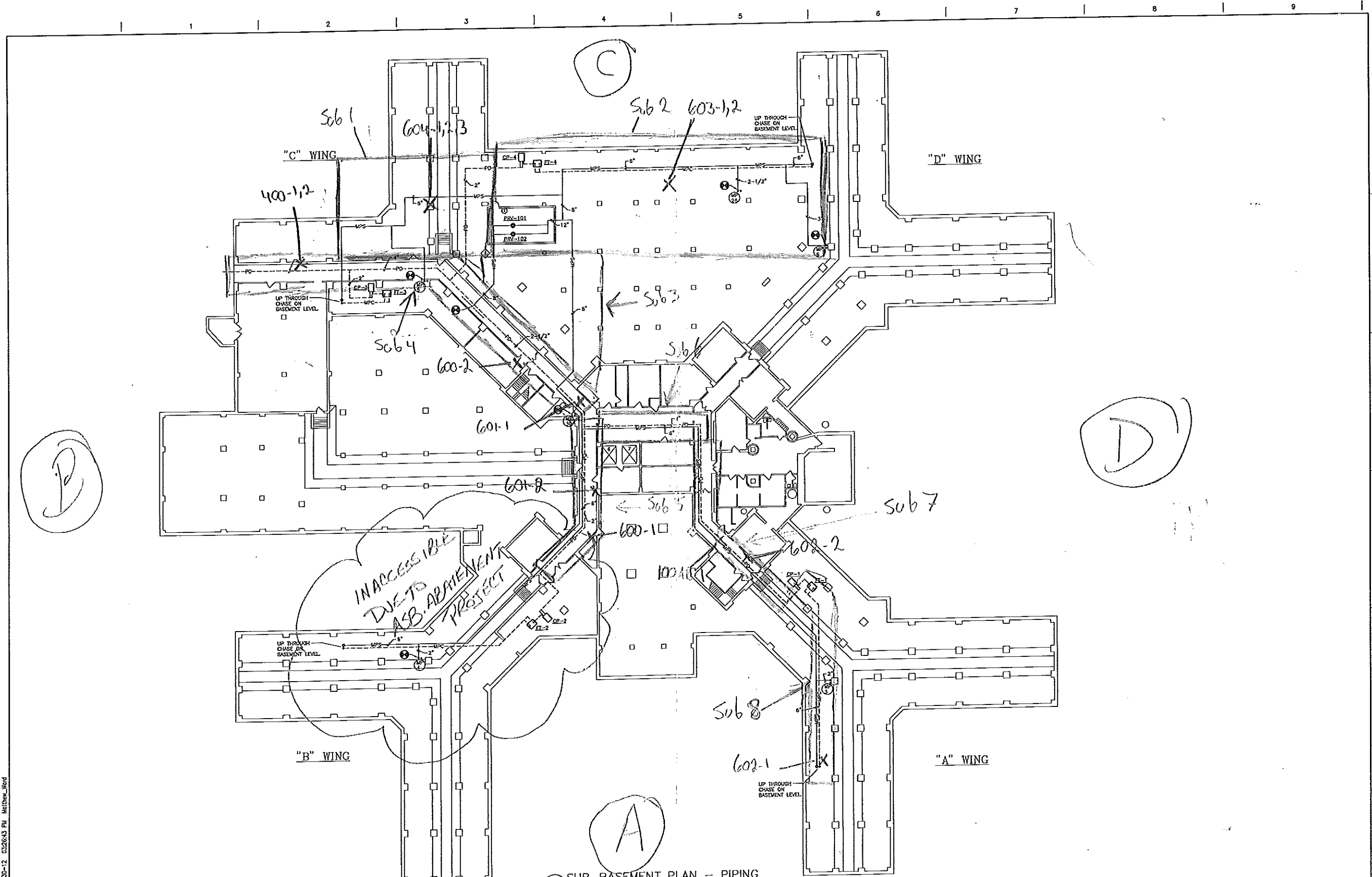
Sample #				Description of Sample	Location of Sample	Notes
Date	Job	HAN	ID#			
11/21	1941	607	1	Duct Sealant - Grey	B-S	
↓	↓	↓	2	↓	↓	

Notes: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Negative PLM to TEM per ELAP protocols <input checked="" type="checkbox"/> Positive stop by HAN Layered analysis is expected - Sample HAN-ID # _____
--	--

Sampled By: <u>RRD</u>	Date: <u>11/21/12</u>
Relinquished By: <u>RRD</u>	Date: <u>11/21/12</u>
Received By: _____	Date: _____



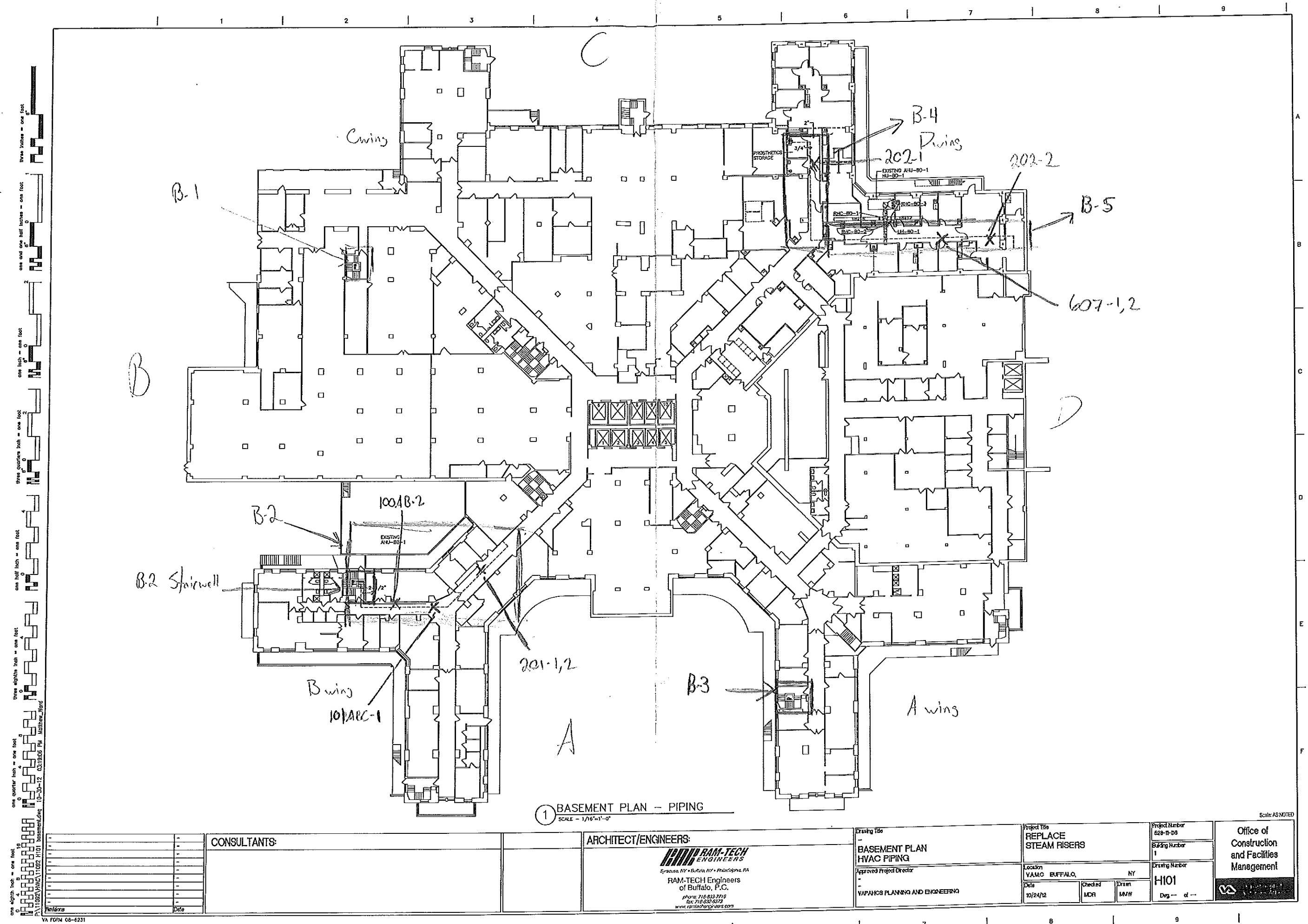
Appendix D Asbestos Sample Floor Plans

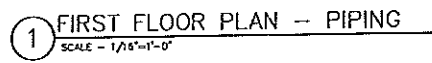




1 SUB-BASEMENT PLAN - PIPING
SCALE - 1/16"=1'-0"

CONSULTANTS: 		ARCHITECT/ENGINEERS: RAM-TECH Engineers of Buffalo, P.C. phone: 716-833-7718 fax: 716-833-4379 www.ramtecheng.com		Drawing Title: SUB-BASEMENT PLAN HVAC PIPING Approved Project Director: VAPAHCS PLANNING AND ENGINEERING		Project Title: REPLACE STEAM RISERS Location: VAMC BUFFALO, NY Date: 10/24/12 Checked: MDH Drawn: MDH		Project Number: 628-11-10 Building Number: 1 Drawing Number: H100 Day - d -		Office of Construction and Facilities Management 	
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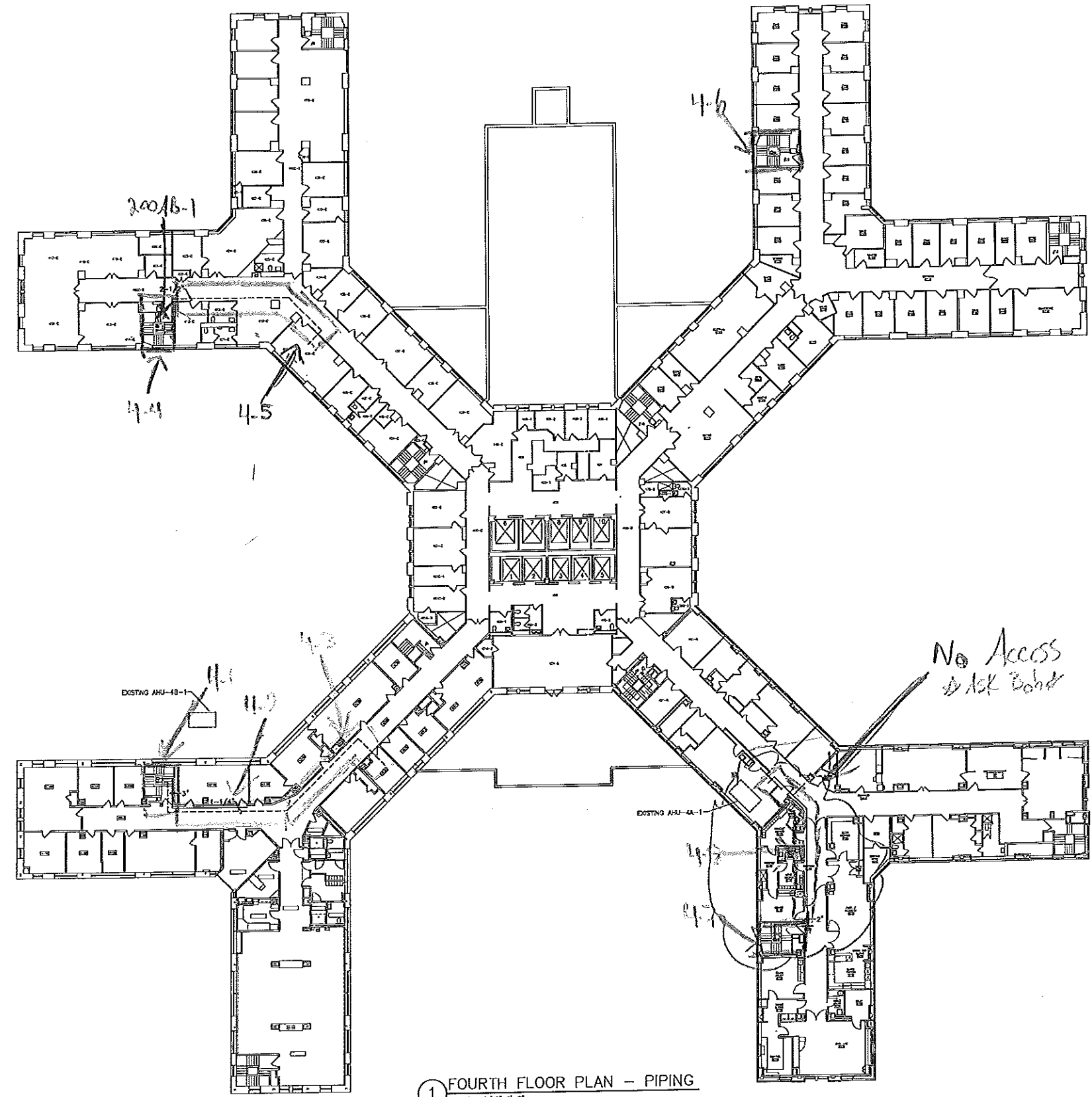
one eighth inch = one foot
 one quarter inch = one foot
 one half inch = one foot
 three eighths inch = one foot
 one inch = one foot
 one and one half inches = one foot
 three inches = one foot
 six inches = one foot
 one foot = one foot
 one and one half feet = one foot
 two feet = one foot
 three feet = one foot
 four feet = one foot
 five feet = one foot
 six feet = one foot
 seven feet = one foot
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 nine feet = one foot
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 eighty one feet = one foot
 eighty two feet = one foot
 eighty three feet = one foot
 eighty four feet = one foot
 eighty five feet = one foot
 eighty six feet = one foot
 eighty seven feet = one foot
 eighty eight feet = one foot
 eighty nine feet = one foot
 ninety feet = one foot
 ninety one feet = one foot
 ninety two feet = one foot
 ninety three feet = one foot
 ninety four feet = one foot
 ninety five feet = one foot
 ninety six feet = one foot
 ninety seven feet = one foot
 ninety eight feet = one foot
 ninety nine feet = one foot
 one hundred feet = one foot





		CONSULTANTS:				ARCHITECT/ENGINEERS:  SYRACUSE, NY • BUFFALO, NY • PHILADELPHIA, PA RAM-TECH Engineers of Buffalo, P.C. phone: 716-833-7716 fax: 716-833-5372 www.ramtecheng.com		Existing Title: - FIRST FLOOR PLAN HVAC PIPING Approved Project Director: - VAPAKOS PLANNING AND ENGINEERING		Project Title: REPLACE STEAM RISERS Location: YAMC BUFFALO, NY Date: 10/24/12		Project Number: 628-H-B6 Building Number: 1 Drawing Number: H102 Dwg. — of —		Office of Construction and Facilities Management 	
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one eighth inch = one foot
 one quarter inch = one foot
 three eighths inch = one foot
 one half inch = one foot
 three quarters inch = one foot
 one inch = one foot
 one and one half inches = one foot
 two inches = one foot
 three inches = one foot

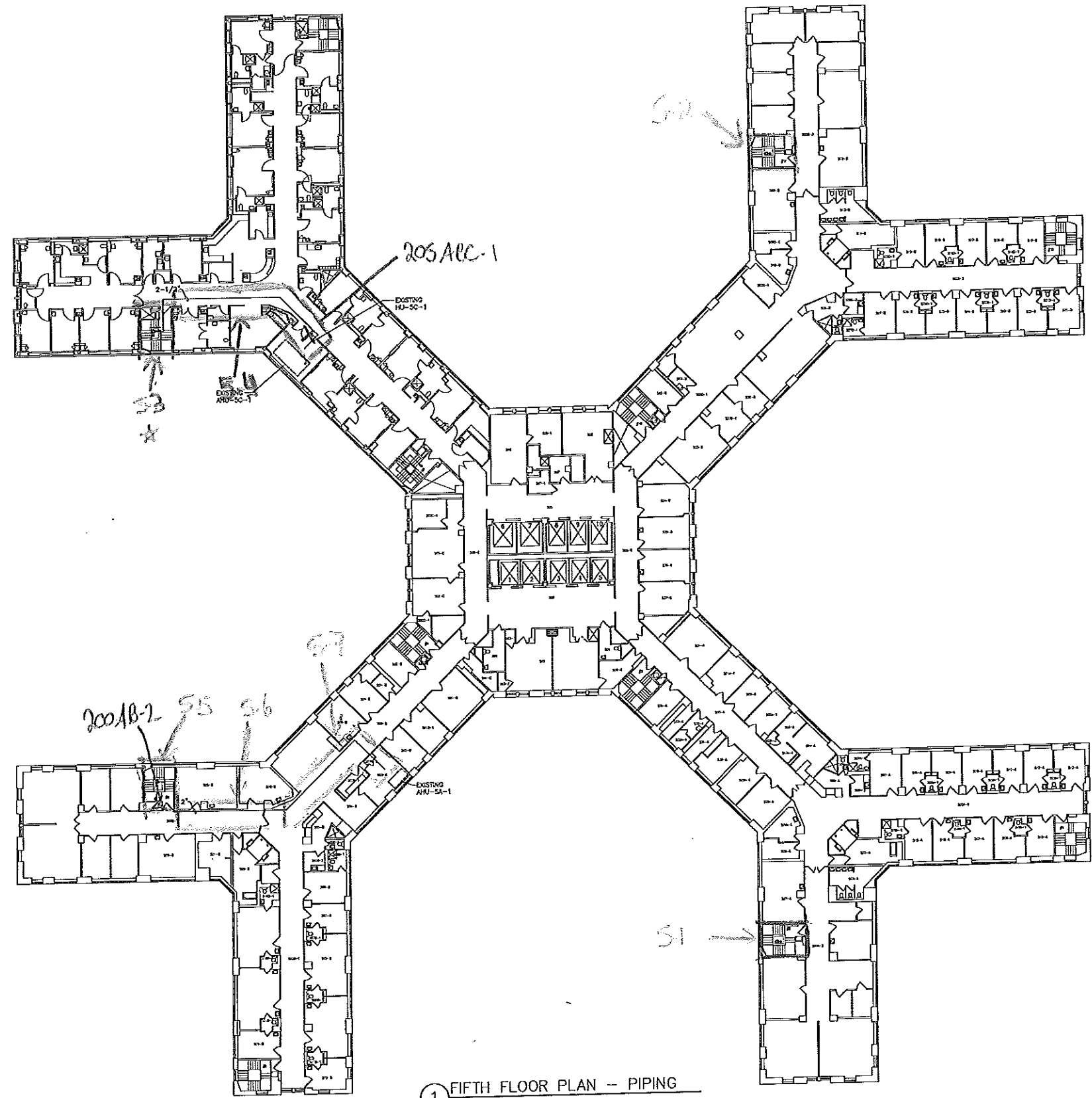


1 FOURTH FLOOR PLAN - PIPING
 SCALE - 1/16"=1'-0"

CONSULTANTS: 		ARCHITECT/ENGINEERS: RAM-TECH Engineers of Buffalo, P.C. phone 716-833-7716 fax 716-833-8373 www.ramtechengineering.com		Drawing Title: FOURTH FLOOR PLAN HVAC PIPING Approved Project Director: YAPAKOS PLANNING AND ENGINEERING		Project Title: REPLACE STEAM RISERS Location: YAMC BUFFALO, NY Date: 10/24/12 Checked: MOR Drawn: MAW		Project Number: 628-11-113 Building Number: 1 Drawing Number: H105 Date: 10/24/12		Office of Construction and Facilities Management	
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Scale AS NOTED

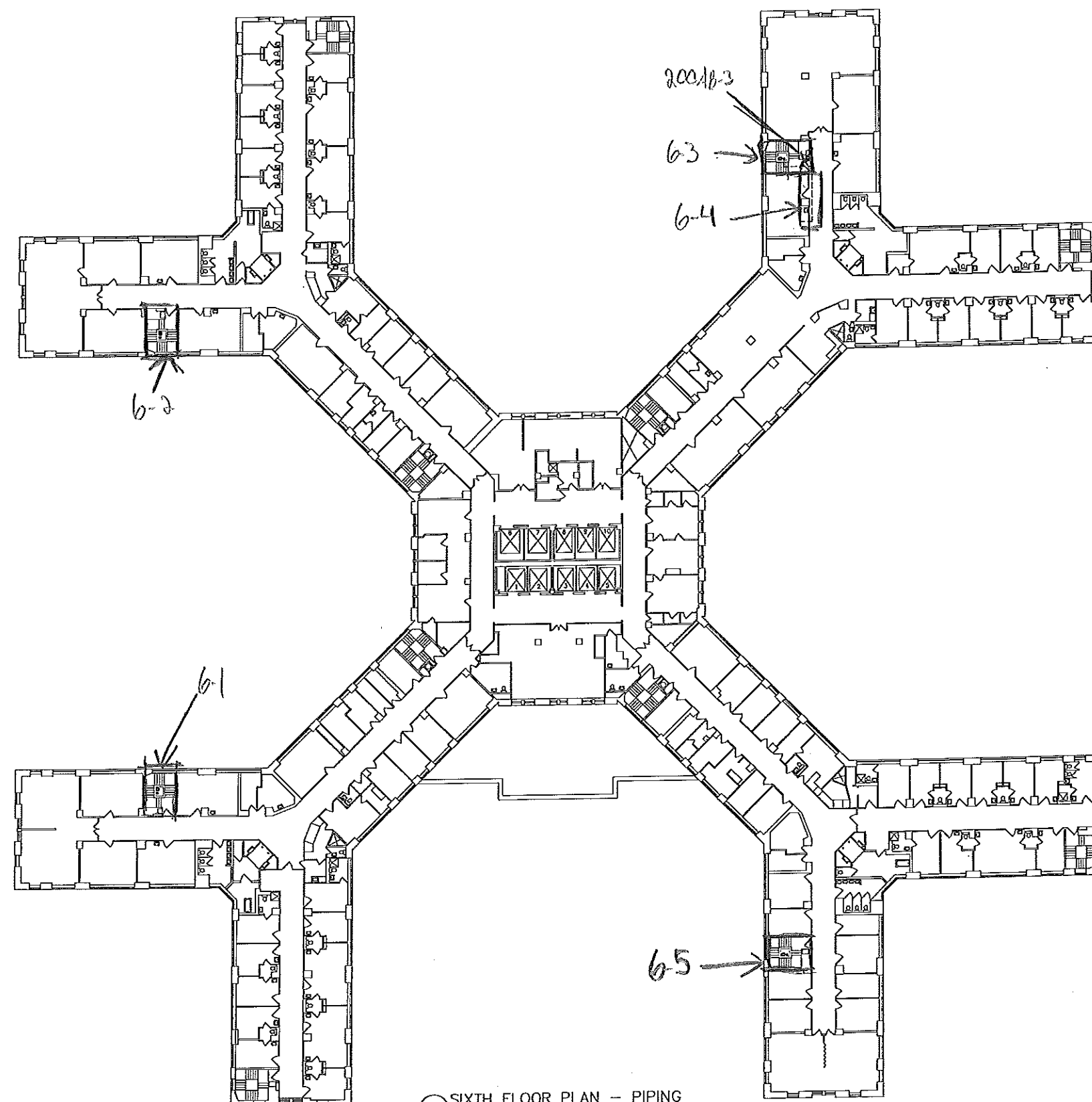
one eighth inch = one foot
 one quarter inch = one foot
 three eighths inch = one foot
 one half inch = one foot
 three quarters inch = one foot
 one inch = one foot
 one and one half inches = one foot
 three inches = one foot



1 FIFTH FLOOR PLAN -- PIPING
 SCALE -- 1/16" = 1'-0"

CONSULTANTS: 		ARCHITECT/ENGINEERS: RAM-TECH ENGINEERS <small>Syracuse, NY • Buffalo, NY • Philadelphia, PA</small> RAM-TECH Engineers of Buffalo, P.C. <small>phone: 716-833-7716 fax: 716-833-8770 www.ramtecheng.com</small>		Drawing Title: FIFTH FLOOR PLAN HVAC PIPING Approved Project Director: VAPAKOS PLANNING AND ENGINEERING		Project Title: REPLACE STEAM RISERS Location: VAMCO BUFFALO, NY Date: 10/24/12 Check'd: MDR Drawn: MRH		Project Number: 628-15-20 Building Number: 1 Drawing Number: H106 Day: -- of --		Office of Construction and Facilities Management 	
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one eighth inch = one foot
 one quarter inch = one foot
 one half inch = one foot
 three eighths inch = one foot
 one inch = one foot
 three quarters inch = one foot
 one and one half inches = one foot
 three inches = one foot

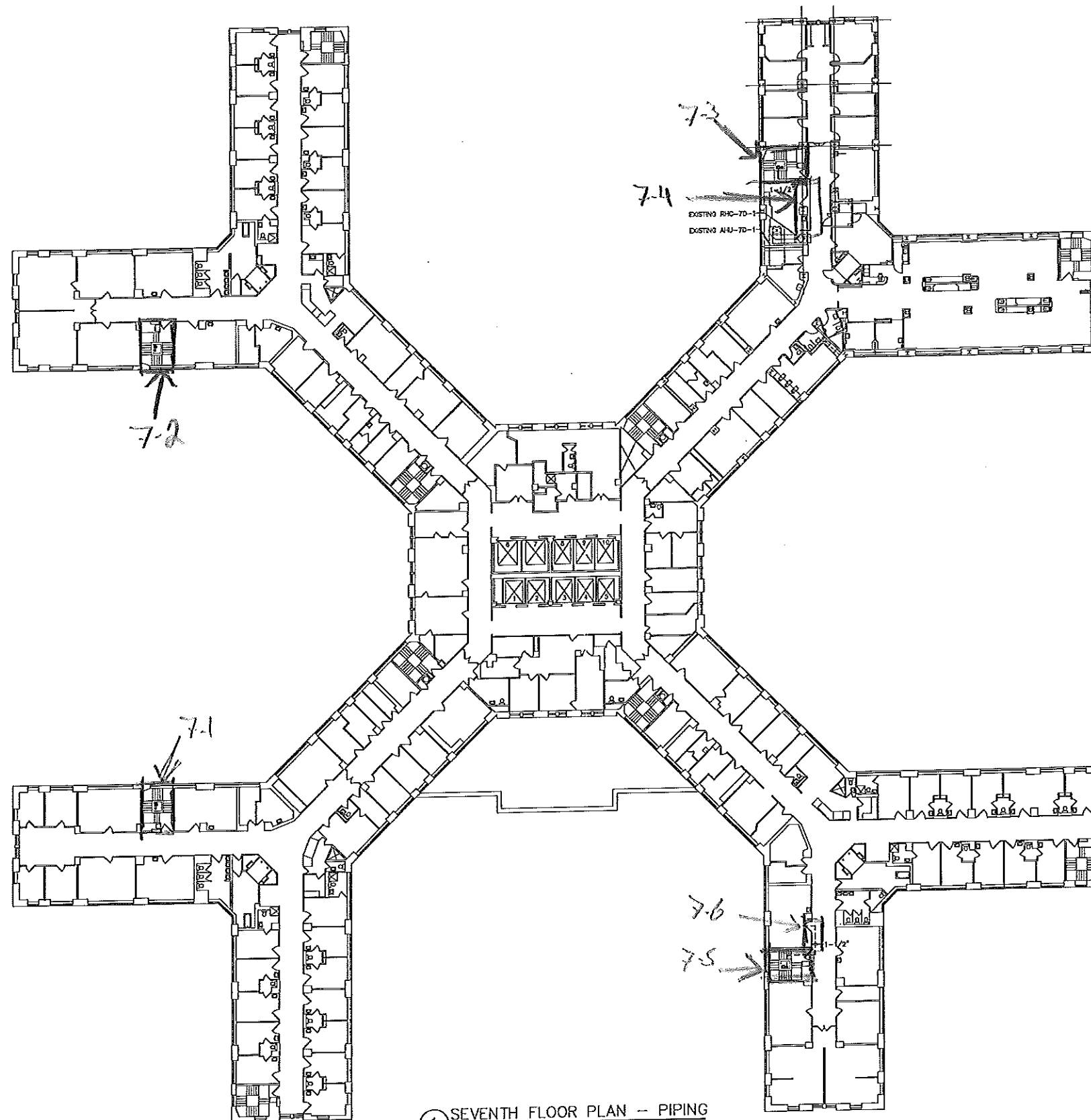


① SIXTH FLOOR PLAN - PIPING
 SCALE - 1/8"=1'-0"

CONSULTANTS: 		ARCHITECT/ENGINEERS: RAM-TECH ENGINEERS <small>Scarsdale, NY • Buffalo, NY • Philadelphia, PA</small> RAM-TECH Engineers of Buffalo, P.C. <small>Phone: 716-833-1118 Fax: 716-833-6379 www.ramtecheng.com</small>		Drawing Title: SIXTH FLOOR PLAN HVAC PIPING Approved Project Director: WAPNICS PLANNING AND ENGINEERING		Project Title: REPLACE STEAM RISERS Location: VAMC BUFFALO, NY Date: 10/24/12		Project Number: 628-11-10 Building Number: 1 Drawing Number: H107 Date: 10/24/12		Office of Construction and Facilities Management 	
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one eighth inch = one foot
one quarter inch = one foot
three eighths inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot

11/09/2012
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10-30-12 03:55:54 PM Matthew J. Ford



1 SEVENTH FLOOR PLAN -- PIPING
SCALE - 1/16"=1'-0"

CONSULTANTS:

ARCHITECT/ENGINEERS:

RAM-TECH
ENGINEERS
Syracuse, NY • Buffalo, NY • Philadelphia, PA
RAM-TECH Engineers
of Buffalo, P.C.
phone 716-833-7116
fax 716-832-8373
www.ramtech-engineers.com

Drawing Title

SEVENTH FLOOR PLAN
HVAC PIPING

Approved Project Director

VAPAKS PLANNING AND ENGINEERING

Project Title
REPLACE
STEAM RISERS

Location
VAMC BUFFALO, NY

Date
10/24/12

Checked
MDR

Drawn
MMH

Project Number
628-11-99

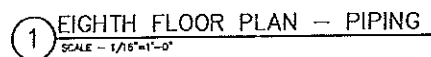
Building Number
1

Drawing Number
H108

Dwg -- d --

Office of
Construction
and Facilities
Management

Scale: AS NOTED



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Approved Project Director
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-
YAPAKS PLANNING AND ENGINEERING

Date	10/12/82
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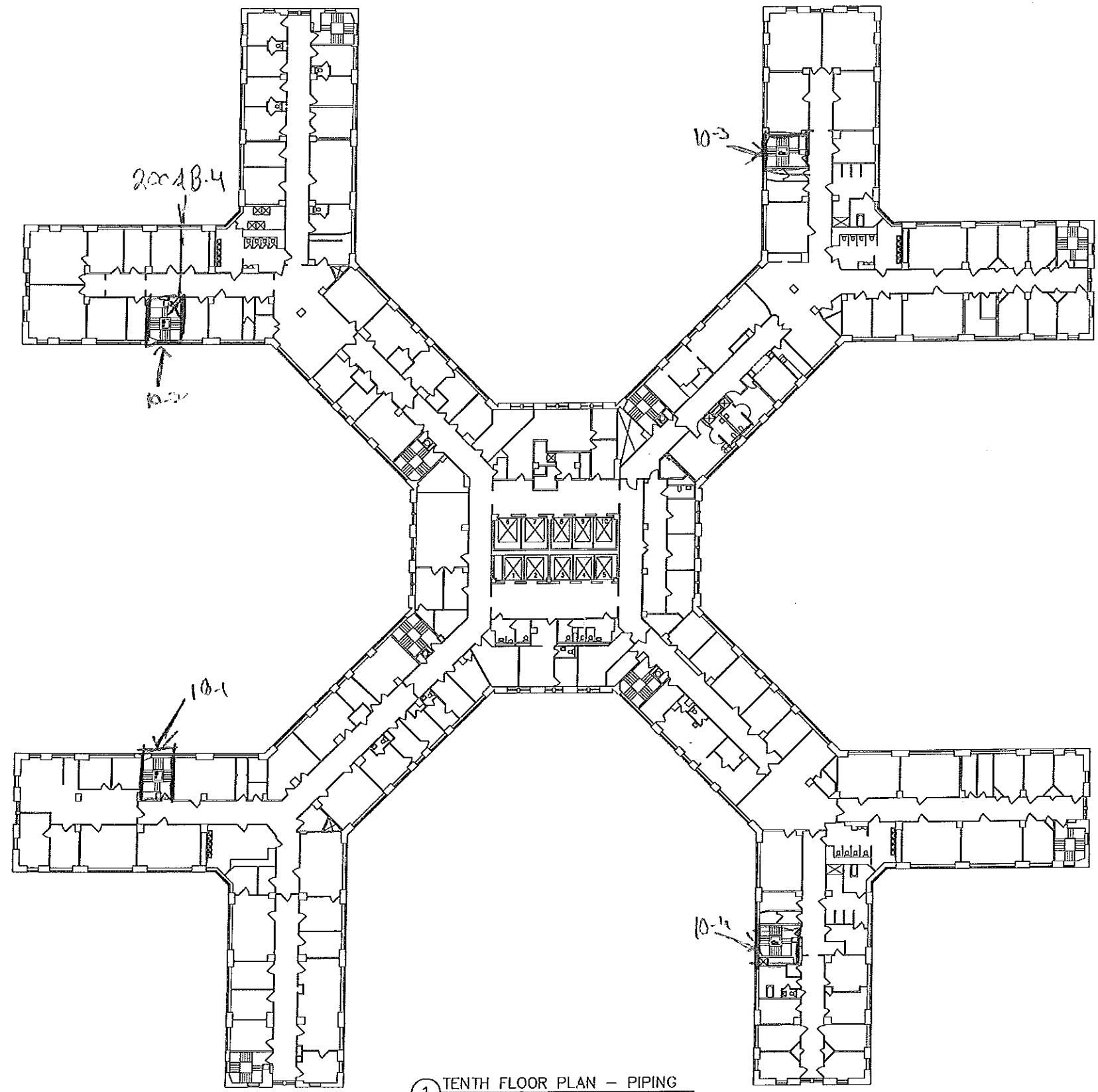
H109

Waste Management
1-800-368-5848

Scale AS NOTED

one eighth inch = one foot
 one quarter inch = one foot
 one half inch = one foot
 three eighths inch = one foot
 one inch = one foot
 one and one half inches = one foot
 two inches = one foot
 three inches = one foot

10-30-12 04:28:17 PM Matthew Ward
 P:\1082 VAMC\1082 H11 1082.dwg



1 TENTH FLOOR PLAN - PIPING
 SCALE - 1/16"=1'-0"

Scale AS NOTED

CONSULTANTS: 		ARCHITECT/ENGINEERS: RAM-TECH Engineers of Buffalo, P.C. phone 716-833-7716 fax 716-833-6373 www.ram-tech-engineers.com		Drawing Title: TENTH FLOOR PLAN HVAC PIPING Approved Project Director: VAPAKS PLANNING AND ENGINEERING		Project Title: REPLACE STEAM RISERS Location: VAMC BUFFALO, NY Date: 10/24/12 Checked: MDR Drawn: MAW		Project Number: 628-11-00 Building Number: 1 Drawing Number: H111 Date: 10/24/12		Office of Construction and Facilities Management 	
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Appendix E Site Photographs

HAN 401- Transite pipe

