

ADDENDUM NO. 1

Rochester City School District

Dr. Walter Cooper, School #10

SED Control#: 26-16-00-01-0-037-021

SED DWT Control #: 26-16-00-01-7-999-020

SEI Project No.: 17-3016

January 4th, 2019



GENERAL INSTRUCTIONS:

- Include this Addendum as part of the Construction Documents. This Addendum supplements portions of the original Drawings and Specifications, the intent of which shall remain, except as revised herein.
 - Work described in this Addendum shall be in accordance with the Specifications for like items in remainder of project and complete with all labor and materials included.
-

REVISIONS TO THE PROJECT MANUAL:

SECTION 000110 – TABLE OF CONTENTS – PROJECT MANUAL

Item 1-1 **ADD** to Division 00, 002500B Hazardous Material Survey Attachment.

SECTION 002500 – HAZARDOUS MATERIALS INFORMATION

Item 1-2 **ADD** Paragraph 1.2-F as follows:

- F. The attached Pre-Renovation Survey for the existing boiler room prepared by Envoy Environmental Consultants, Inc., dated November 21, 2018, includes the following:
1. Asbestos-Containing Material.

SECTION 002500B – HAZARDOUS MATERIAL SURVEY ATTACHMENT

- Item 1-3 **ADD** Section 002500B – Hazardous Material Survey Attachment (dated 11/21/2018) in its entirety.

SECTION 004116 – BID FORM

- Item 1-4 **ADD** Subparagraph 1.4-UC-10 as follows:

| | | | |
|-------|---|----|----|
| UC-10 | Add moisture control system to concrete slabs that exceed the flooring manufactures maximum allowable relative humidity | \$ | SF |
|-------|---|----|----|

SECTION 004322 – UNIT PRICES

- Item 1-5 **ADD** Subparagraph 3.1-UC-10 as follows:
"UC-10 Add moisture control system to concrete slabs that exceed the flooring manufactures maximum allowable relative humidity (Per SF)"

REVISIONS TO THE DRAWINGS:

DRAWING NO. HM0001 – GENERAL ABATEMENT NOTES

- Item 1-6 **DELETE** GENERAL NOTES FOR ABATEMENT CONTRACTOR No. 12 in its entirety. **ADD** GENERAL NOTES FOR ABATEMENT CONTRACTOR No. 12 as follows:
"THE ABATEMENT CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY/ALL VARIANCES (EXCLUDING THE VARIANCE FOR THE CRAWL SPACE AS IT IS BEING PROCURED BY THE OWNER) FROM 40 CFR 761, WHICH ARE DESIRED OR NECESSARY TO PERFORM THE WORK. ALL VARIANCES MUST BE OBTAINED IN A TIMELY MANNER SO AS NOT TO DISRUPT THE SCHEDULE OR WORK. COST FOR THE VARIANCE SHALL BE INCLUDED IN THE ABATEMENT CONTRACTOR'S BID."

DRAWING NO. HM1000a – LOWER LEVEL ABATEMENT PLAN AREA A

- Item 1-7 **DELETE** ABATEMENT KEYNOTES No. A13 in its entirety. **ADD** ABATEMENT KEYNOTES No. A13 as follows:
"NOT USED."

DRAWING NO. HM1000b – LOWER LEVEL FLOOR PLAN AREA B

Item 1-8 **DELETE** ABATEMENT KEYNOTES No. A13 in its entirety. **ADD** ABATEMENT KEYNOTES No. A13 as follows:
"NOT USED."

DRAWING NO. HM1001a – FIRST FLOOR ABATEMENT PLAN AREA A

Item 1-9 **DELETE** ABATEMENT KEYNOTES No. A13 in its entirety. **ADD** ABATEMENT KEYNOTES No. A13 as follows:
"NOT USED."

DRAWING NO. HM1001b – FIRST FLOOR ABATEMENT PLAN AREA B

Item 1-10 **DELETE** ABATEMENT KEYNOTES No. A13 in its entirety. **ADD** ABATEMENT KEYNOTES No. A13 as follows:
"NOT USED."

Item 1-11 **DELETE** keynote no. A13 from plan 1 LOWER LEVEL ABATEMENT PLAN – AREA B.

DRAWING NO. HM1002 – SECOND FLOOR ABATEMENT PLAN

Item 1-12 **DELETE** ABATEMENT KEYNOTES No. A13 in its entirety. **ADD** ABATEMENT KEYNOTES No. A13 as follows:
"NOT USED."

DRAWING NO. A1231 – FENESTRATION TYPES AND DETAILS

Item 1-13 **ADD** the following note to window type W6:
"IG-1 U.O.N.
IG-3 @ RM. 142"

DRAWING NO. E1201 – PARTIAL LOWER LEVEL PLAN - POWER AND SS - AREA B:

Item 1-14 **REPLACE** ASD symbol with motor starter symbol for items #53, #54, #57 & #58.

DRAWING NO. E1203 – PARTIAL FIRST FLOOR PLAN - POWER AND SS - AREA B:

Item 1-15 **REVISE** outlets in Library and Room 107 per AD1-E1 (dated 01/04/2019).

DRAWING NO. E1204 – PARTIAL SECOND FLOOR PLAN - POWER AND SS - AREA A:

Item 1-16 **REPLACE** ASD symbol with motor starter symbol for items #51 & #52.
Item 1-17 **REVISE** outlets in Room 222 per AD1-E2 (dated 01/04/2019).

DRAWING NO. E1302 – PARTIAL FIRST FLOOR PLAN - LIGHTING - AREA A:

Item 1-18 **ADD** drawing note #11 to Room 120F.

DRAWING NO. E1303 – PARTIAL FIRST FLOOR PLAN - LIGHTING - AREA B:

Item 1-19 **ADD** drawing note #10 to Room 101A.

DRAWING NO. E1502 – SITE PLAN - ELECTRICAL:

Item 1-20 **DELETE** drawing note #8.

DRAWING NO. E1700 – ELECTRICAL SCHEDULES (PANELBOARD SCHEDULE):

Item 1-21 Panel HVPEQ - **CHANGE** (1) active 20A.3P. circuit breaker to spare and CHANGE (1) active 25A. 3P. circuit breaker to spare.

Item 1-22 Panel LVPEQ - **CHANGE** (28) active 20A.IP. circuit breakers to (34) and CHANGE (16) 20A.IP. circuit breaker spaces to (10).

DRAWING NO. E1701 – ELECTRICAL SCHEDULES:

Item 1-23 **REVISE** electrical equipment and control schedule per AD1-E3 (dated 01/04/2019).

DRAWING NO. T1203 – PARTIAL FIRST FLOOR PLAN - DWT - AREA B:

Item 1-24 **REVISE** data outlets in Library per AD1-T1 (dated 01/04/2019).

ATTACHMENTS:

002500B Hazardous Material Survey Attachment (dated 11/21/18)
AD1-E1 PARTIAL FIRST FLOOR PLAN, POWER AND SS - AREA B (dated 01/04/2018)
AD1-E3 PARTIAL SECOND FLOOR POWER AND SS - AREA A (dated 01/04/2018)
AD1-E3 ELECTRICAL SCHEDULES (dated 01/04/2018)
AD1-T1 PARTIAL FIRST FLOOR PLAN, DWT - AREA B (dated 01/04/2018)

End of Addendum No. 1

Limited Asbestos Survey

Performed at:

Boiler Room
School #10
353 Congress Avenue
Rochester, New York 14619

Performed for:

SEI Design Group
224 Mill Street
Rochester, New York 14614

November 21, 2018
Envoy Project #: E18-1437



ENVOY

environmental consultants, inc.

57 Ambrose Street
Rochester, New York 14608

**BOILER ROOM
SCHOOL #10
353 CONGRESS AVENUE
ROCHESTER, NEW YORK**

TABLE OF CONTENTS

INTRODUCTION

LIMITATIONS

CONCLUSIONS

MATERIALS LIST

ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY

DRAWINGS

LABORATORY REPORTS

CHAINS OF CUSTODY

CERTIFICATIONS

INTRODUCTION

Envoy Environmental Consultants, Inc. was retained by **SEI Design Group** on **November 21, 2018** to conduct an asbestos inspection for the detection of asbestos containing materials located in the **Boiler Room at School #10, 353 Congress Avenue, Rochester, New York.**

Envoy Environmental Consultants, Inc. performed all field services and report generation for this project. Envoy's inspector Geoff Siebert (AH#03-06811) conducted this inspection with procedures and guidelines commonly used and accepted in New York State. The objective of this inspection was to identify the approximate locations and quantities of asbestos containing materials present at the above-referenced location. Generally, if a building material within a structure could contain asbestos the material was included in the survey. Laboratory analysis was performed by Paradigm Environmental Services, Inc. as a subcontractor to Envoy.

Samples were collected from locations within each homogeneous sampling area. Samples consist of a small amount of the subject material. Sampling points were recorded and cross-referenced to prepared sketches. Individual samples were also recorded on a chain of custody document. Samples were then transported to the Paradigm analytical laboratory for asbestos analysis.

The Paradigm laboratory is accredited through NYSDOH/ELAP (Lab ID# 10958) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis. The chain of custody record accompanies all samples from the point collected until they reach the laboratory. Samples are stored at the laboratory for 90 days then disposed of according to authoritative regulations.

The analysis methodology used is as follows:

Asbestos Bulk Samples:

New York State Department of Health, ELAP Method 198.1 and 198.6 ("Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

New York State Department of Health, ELAP Method 198.4 ("Transmission Electron Microscope Method for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples").

LIMITATIONS

The information provided in this report was compiled from field and laboratory data and was prepared for **SEI Design Group** in reference to the **Boiler Room at School #10, 353 Congress Avenue, Rochester, New York**. Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

As per the direction of the client, SEI Design Group, this survey was limited to suspect asbestos containing materials as listed in the materials tested table; if additional materials will be impacted by the renovation these materials should be considered asbestos containing until tested.

Determinations of suspect asbestos containing materials within the building were subject to the accessibility of individual areas or spaces. Envoy Environmental Consultants, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us or not reasonably accessible to Envoy field personnel. Envoy assumes no liability for any buildings that were not identified by the client that may fall under state or federal regulations. Conclusions and recommendations provided in this report are based on the assumption that materials identified are homogeneous throughout their application.

This asbestos survey report is not intended to be a bid document for a scope of work for the asbestos abatement contractor. The survey report only identifies and assesses the location, quantity and condition of ACM, PACM or asbestos materials at the subject site. The asbestos survey report is intended to be used as a tool in the development of an asbestos abatement project design or work scope. Under the Code Rule regulation this task can only be performed by a Certified Project Designer.

Energized mechanical or electrical systems were not sampled as part of the survey, and were visually assessed as ACM (Asbestos Containing Material). Suspect materials that are visually assessed by the inspector as ACM shall be treated as ACM, unless bulk sampling is conducted consistent with EPA and OSHA accepted methods, and the analysis meets the requirements of Code Rule 56 and the suspect material is found not to be asbestos containing. These systems may contain one or more of the following components, but are not limited to these components: brakes, clutches, gaskets, insulating panels, blocks or backer boards, wire insulation, explosion proof lighting gaskets and fitting packings, insulating papers, pipe sleeve packings, fire stops, caulks, paints and coatings.

CONCLUSIONS

Envoy Environmental Consultants, Inc. was retained to perform a limited asbestos survey in the **Boiler Room at School #10, 353 Congress Avenue, Rochester, New York** on **November 21, 2018**. A New York State certified inspector sampled materials from the above mentioned location. Sample locations and custody information were recorded and the samples were transported to the Paradigm laboratory for analysis.

Transmittal of Building/Structure Asbestos Survey Information – As required by New York State Industrial Code Rule 56, one (1) copy of the results of the building/structure asbestos survey shall be immediately transmitted by the building/structure owner as follows:

- One (1) copy of the completed asbestos survey shall be sent by the owner or their agent to the local entity charged with issuing a permit for such demolition, renovation, remodeling or repair work under State or local laws.
- The completed asbestos survey for controlled demolition (as per Subpart 56-11.5) or pre-demolition asbestos projects shall be submitted to the appropriate Asbestos Control Bureau district office.
- The completed asbestos survey shall be kept on the construction site with the asbestos notification and variance, if required, throughout the duration of the asbestos project and any associated demolition, renovation, remodeling or repair project.

The following is a brief description of the space by space survey.

| <i>Col. 1</i> | <i>Col. 2</i> | <i>Col. 3</i> | <i>Col. 4</i> | <i>Col. 5</i> | <i>Col. 6</i> | <i>Col. 7</i> | <i>Col. 8</i> | <i>Col. 9</i> | <i>Col. 10</i> | <i>Col. 11</i> |
|---------------|---------------------------------|-----------------------------|--------------------------------------|-----------------------------|------------------|--------------------------------|-------------------------|---------------|----------------|----------------|
| <i>Room #</i> | <i>Sample #'s taken in Room</i> | <i>Positive Sample ID #</i> | <i>Positive Material Description</i> | <i>Location of Material</i> | <i>Condition</i> | <i>Friable Non-Friable NOB</i> | <i>Type of Material</i> | <i>SQ FT</i> | <i>Lin FT</i> | <i>Units</i> |

1. Column 1: indicates the Room number, room description and estimated square footage of the room referenced to the attached map/drawing.
2. Column 2: indicates the bulk sample numbers that were taken in the Room indicated in column 1. i.e. 001-007 means samples one through seven were sampled in the room, none would indicate that no samples were taken in the room. You will not see the first three letters of the sample in this column. If you would like to know the materials that were tested in the room please refer to the analytical results which are documented in numerical order.
3. Column 3: indicates the sample number that proves the material is positive for asbestos content. This sample may have taken in the space in column 1 or determined a homogeneous area (material) by the inspector to a sample that was taken in another space. For the purpose of this report all samples are assigned a six digit alphanumeric sample identification number. The first three letters/numbers indicate the material, found in column 4. The last three numbers indicate the sample number in the sequence in which they were taken. If there is a letter after the last three numbers, this indicates that the laboratory or the inspector determines that there were multiple layers within the sample, requiring additional sampling under EPA protocols.
4. Column 4: gives a brief description of the asbestos containing material or the material that is to be treated as asbestos containing as determined by the inspector. At times non-asbestos materials are contaminated with asbestos, therefore must be treated as asbestos.
5. Column 5: indicates a brief description of the location of the material in the room and not the location where the sample was taken from. You will find locations of where each sample was taken from on the analytical sampling results.
6. Column 6: indicates the physical condition of the material as assessed by the inspector in the space indicated in column 1, according to the condition description described below. For the purpose of this report, the condition of the ACM will be reported in good, fair or poor condition. Conditions will be listed in column 6 of the survey report will be as follows;
 - a. **Good:** means material is intact with no visible damage.
 - b. **Fair:** means material contains fewer than 10% distributed damage or 25% localized damage.
 - c. **Poor:** means material contains over 10% distributed damage or 25% localized damage.
 Conditions listed in column 6 of the space by space survey report are only related to the specific material for the specific space.
7. Column 7: indicates the friability of the material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
8. Column 8: indicates the type of material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
9. Column 9: indicates the square footage of ACM material found in the space.
10. Column 10: indicates the linear footage of ACM material found in the space. Pipe insulation that is two feet or greater in diameter is required to be reported in square feet according to code Rule 56.
11. Column 11: indicates the units of ACM material found in the space.

This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.

Envoy Job Number E18-1437

MATERIALS TESTED

**Boiler Room
School #10
353 Congress Avenue
Rochester, New York**

| Sample ID | Description of Material | PLM Asbestos Fibers Type & Percentage | TEM Asbestos Fibers Type & Percentage | Friable Non-Friable NOB |
|-----------|-------------------------|---------------------------------------|---------------------------------------|-------------------------|
| GAS-01 | White Gasket | None Detected | Not Required | Non-Friable |
| GAS-02 | White Gasket | None Detected | Not Required | Non-Friable |
| CLK-03 | Red Caulk | Inconclusive No Asbestos Detected | None Detected | NOB |
| CLK-04 | Red Caulk | Inconclusive No Asbestos Detected | None Detected | NOB |

ASBESTOS CONTAINING MATERIALS

SPACE BY SPACE SUMMARY

**Boiler Room
School #10
353 Congress Avenue
Rochester, New York**

| Area | Sample #'s taken in Area | Positive Sample ID # | Positive Material Description | Location of Material | Condition | Friable** Non-Friable NOB | Type of Material | SQ FT | Lin FT | Unit |
|-------------|--------------------------|----------------------|--|----------------------|-----------|---------------------------|------------------|-------|--------|------|
| Boiler Room | 01-04 | None | No Asbestos Detected in Materials Tested | | | | | 0 | 0 | 0 |

| | | | |
|---------------|----------|----------|----------|
| <i>Totals</i> | 0 | 0 | 0 |
|---------------|----------|----------|----------|

Assume - Indicates materials assumed positive for asbestos containing materials by inspector; inaccessible area.

U - Inspector unable to determine quantity

* Reflects quantifiable locations only; additional material maybe present, but not quantifiable per table.

**** Materials are categorized as friable or non-friable based on their intact condition. For designer abatement purposes materials labeled as non-friable may become friable, based on methods of handling.**

Envoy certifies that this report regarding the Boiler Room at School #10, 353 Congress Avenue, Rochester, New York based on the observations of the inspector and believes it to be an accurate representation of the conditions as they existed on November 21, 2018.

**Geoff Siebert
Envoy Environmental Consultants, Inc.
Inspector #AH 03-06811**

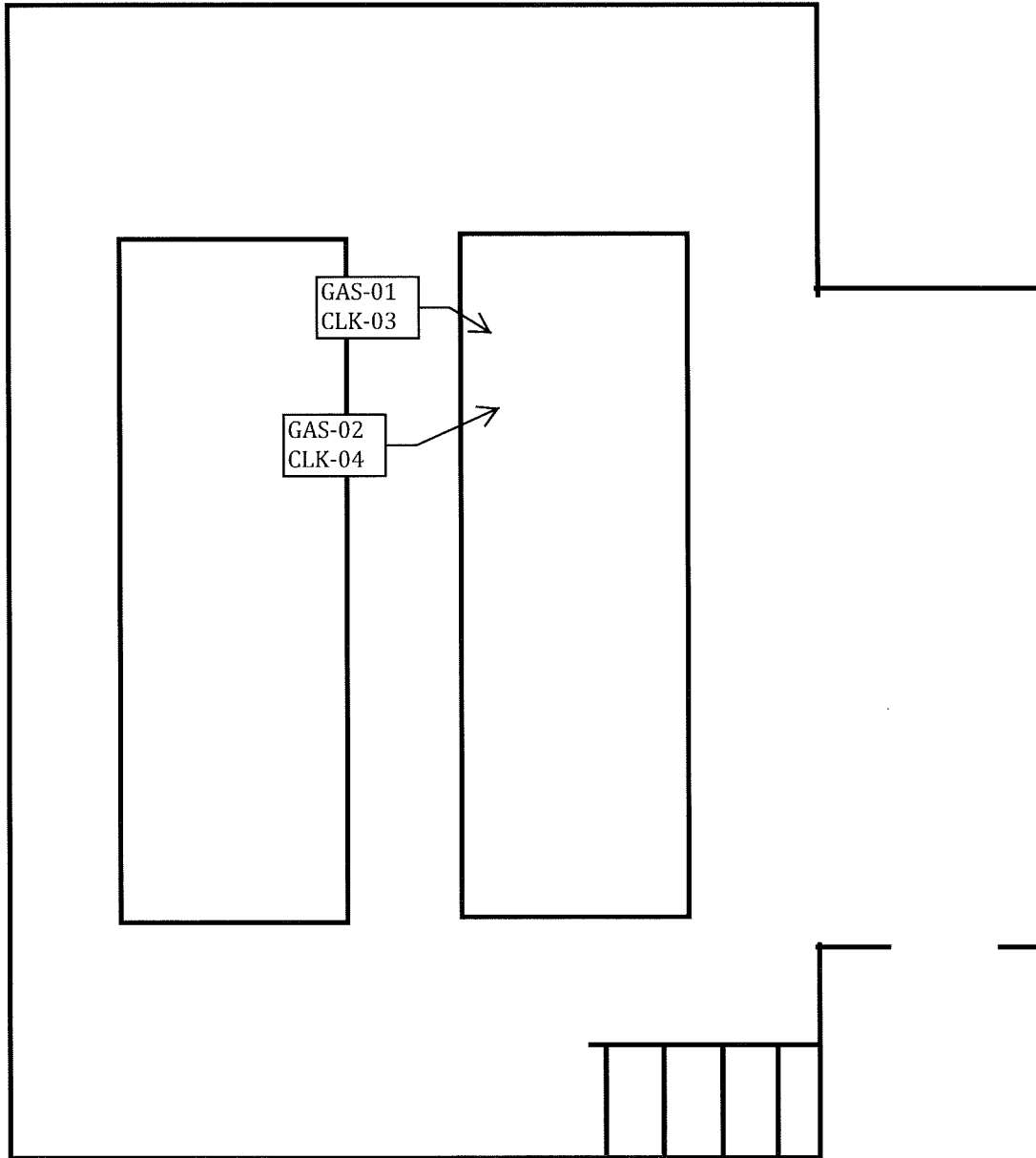
Client: SEI Design Group

Location: 353 Congress Avenue, Rochester, New York

Area: School #10, Boiler Room

Date: November 21, 2018

Job Number: E18-1437





PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Envoy/SEI Design Group
Location: 353 Congress Ave., Rochester, NY
School #10, Boiler Room

Job No: 12560-18
Page: 1 of 2

Sample Date: 11/21/2018

| Client ID | Lab ID | Sampling Location | Description | PLM Asbestos Fibers Type & Percentage | PLM Total Asbestos | NOB | TEM Asbestos Fibers Type & Percentage | TEM Total Asbestos | PLM Non-Asbestos Fibers Type & Percentage | Non-Fibrous Matrix Material % |
|-----------|--------|-------------------|----------------------|---------------------------------------|--------------------|-----|---------------------------------------|--------------------|---|-------------------------------|
| GAS-01 | 106751 | On Boiler #2 | White Fibrous Gasket | None Detected | 0% | | Not Required | N/A | Fiberglass 75% Cellulose 20% | 5% |
| GAS-02 | 106752 | On Boiler #2 | White Fibrous Gasket | None Detected | 0% | | Not Required | N/A | Fiberglass 75% Cellulose 20% | 5% |
| CLK-03 | 106753 | On Boiler #2 | Red Caulk | Inconclusive No Asbestos Detected | 0% | √ | None Detected | <1.0% | None Detected | 100% |
| CLK-04 | 106754 | On Boiler #2 | Red Caulk | Inconclusive No Asbestos Detected | 0% | √ | None Detected | <1.0% | None Detected | 100% |
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KEY TO NOB COLUMN SYMBOLS
 No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).
 √ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.
 √ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.
 # denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.
 X denotes sample prepped only by ELAP Method 198.6.
 ** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.
 Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis
PLM Date Analyzed: 11/26/2018
Microscope: Olympus BH-2 #211848
Analyst: B. Weinman

TEM Date Analyzed: 11/26/2018
TEM Analyst: A. Voldbakken

ELAP ID No.: 10958

Laboratory Results Approved By:
Asbestos Operations Manager or Designee _____
 Mary Dohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology 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. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

Job #: 12560-18

Page _____ of _____

Date Logged In: 11-21-18

Logged In By: _____

Client: SEI Design Group Contact: Ted Mountain

SEND ANALYTICAL DATA TO CLIENT: YES No

Phone Number: 585-442-7010 Fax Number or email address: twm@seidesigngroup.com

Results To: CALL Tech Client

Turn Around Time: 1 2 3 4 5 Immed

EMAIL: G. Siebert

Date Sampled: 11/21/18

Material Type/Quantity: _____

Friable NOB TEM

Project Address: 353 Congress Ave., Rochester NY 14619

School #10 Project Number: **E18-1437**

Client Mailing Address: 224 Mills St, Rochester NY 14614

Job Ticket #: 124603

Project Location: School #10

General Location: Boiler Room

Client: SEI Design Group

Phone Number: 585-442-7010

Results To: CALL Tech Client

Turn Around Time: 1 2 3 4 5 Immed

EMAIL: G. Siebert

Date Sampled: 11/21/18

Material Type/Quantity: _____

Friable NOB TEM

Project Address: 353 Congress Ave., Rochester NY 14619

School #10 Project Number: **E18-1437**

| Client ID | Lab ID | Sampling Location | Do not Analyze | Color | Size | Material | Friability |
|-----------|---------------|-------------------|----------------|-------|------|----------|------------|
| 1 | GAS-01 (0675) | ON BOILER #2 | | WHT | | GASKET | NF |
| 2 | GAS-02 752 | ON BOILER #2 | | WHT | | GASKET | NF |
| 3 | CLK-03 753 | ON BOILER #2 | | RED | | CAULK | NF |
| 4 | CLK-04 754 | ON BOILER #2 | | RED | | CAULK | NF |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |

Checked One: SURVEY BULKS ONLY

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name: _____

TOTAL NUMBER OF SAMPLES IN SURVEY: _____ Estimated at **4**

Sampled By: Geoffrey Siebert Date: 11/21/18

Transported to Paradigm By: GRS Date: 11/21/18

Received By: GRS Date: 11-21-18

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)

OC'd 11/26 AS

Em 11/26/18

SEI DESIGN GROUP - Chris Lopez

Certifications

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

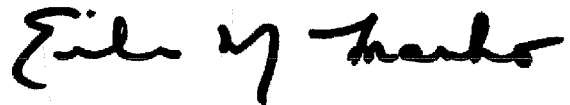
Envoy Environmental Consultants Inc.
57 Ambrose Street
Rochester, NY 14608

FILE NUMBER: 02-0527
LICENSE NUMBER: 28454
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 05/24/2018
EXPIRATION DATE: 06/30/2019

Duly Authorized Representative – Paul Mahoney:

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.



Eileen M. Franko, Director
For the Commissioner of Labor

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2019
Issued April 01, 2018

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MR. STEVE DEVITO
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER, NY 14608

NY Lab Id No: 10958

*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 |
| Lead in Dust Wipes | EPA 6010C |
| Lead in Paint | EPA 6010C |

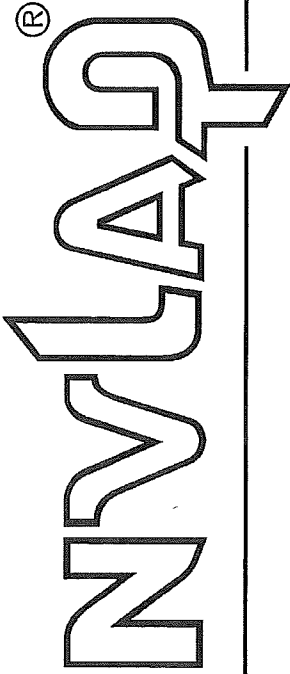
Sample Preparation Methods

EPA 3050B

Serial No.: 57637

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 (518) 485-5570 to verify the laboratory's accreditation status.

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200530-0

Paradigm Environmental Services, Inc.
Rochester, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).

2018-07-01 through 2019-06-30

Effective Dates

A handwritten signature in black ink, appearing to read "Peter S. Sammler".

For the National Voluntary Laboratory Accreditation Program



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Paradigm Environmental Services, Inc.

179 Lake Avenue

Rochester, NY 14608

Ms. Rebecca Roztocil

Phone: 585-647-2530 Fax: 585-647-3311

Email: roztocil@paradigmenv.com

<http://www.paradigmenv.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 200530-0

Bulk Asbestos Analysis

Code

Description

18/A01

EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples

18/A03

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

Code

Description

18/A02

U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

A handwritten signature in cursive script, appearing to read "Dana S. Gorman".

For the National Voluntary Laboratory Accreditation Program

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



GEOFFREY R. SIEBERT

CLASS(EXPIRES)

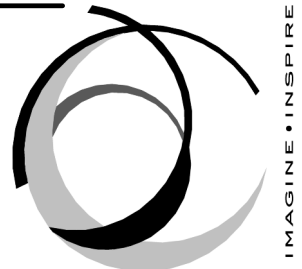
C ATEC(08/19) D INSP(08/19)

H PM (08/19)

CERT# 03-06811
DMV# 367 209545

MUST BE CARRIED ON ASBESTOS PROJECTS





SEI design group

585.442.7010 - 224 Mill St. - Rochester, NY 14614
518.435.2467 - 187 Wolf Rd., Suite 304 - Albany, NY 12205
607.334.4550 - 2 Court St., Suite 404 - Binghamton, NY 13901

ROCHESTER CITY SCHOOL DISTRICT

DR. WALTER COOPER

SCHOOL 10
353 CONGRESS AVE.
ROCHESTER, NEW YORK 14619

SED Control No. 26-16-00-01-0-037-021



Date 01/04/19 SEI Project No. 17-3016

Revisions

1 01/04/19 ADDENDUM 1

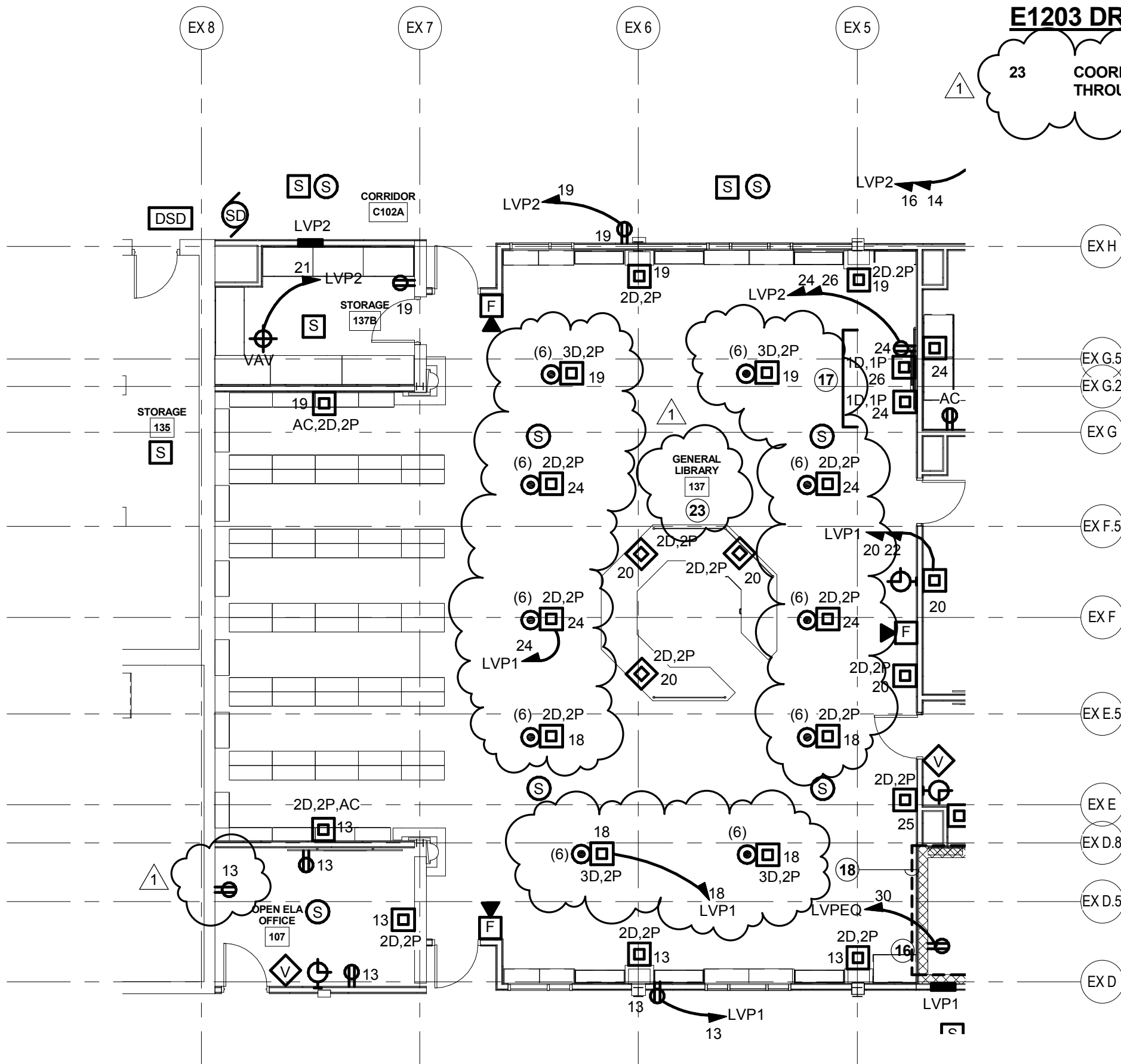
PARTIAL FIRST FLOOR PLAN -
POWER AND SS - AREA B

AD1-E1

Reference DWG. E1203

E1203 DRAWING NOTES

23 COORDINATE EXACT LOCATION OF ALL POKE THROUGH IN THIS ROOM IN FIELD WITH OWNER.



1 PARTIAL FIRST FLOOR PLAN - POWER AND SS

1/8" = 1'-0"

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585.442.7010 - 224 Mill St. - Rochester, NY 14614
518.435.2467 - 187 Wolf Rd., Suite 304 - Albany, NY 12205
607.304.4550 - 2 Court St., Suite 404 - Binghamton, NY 13901

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SCHOOL DISTRICT**

**DR. WALTER
COOPER**

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353 CONGRESS AVE.
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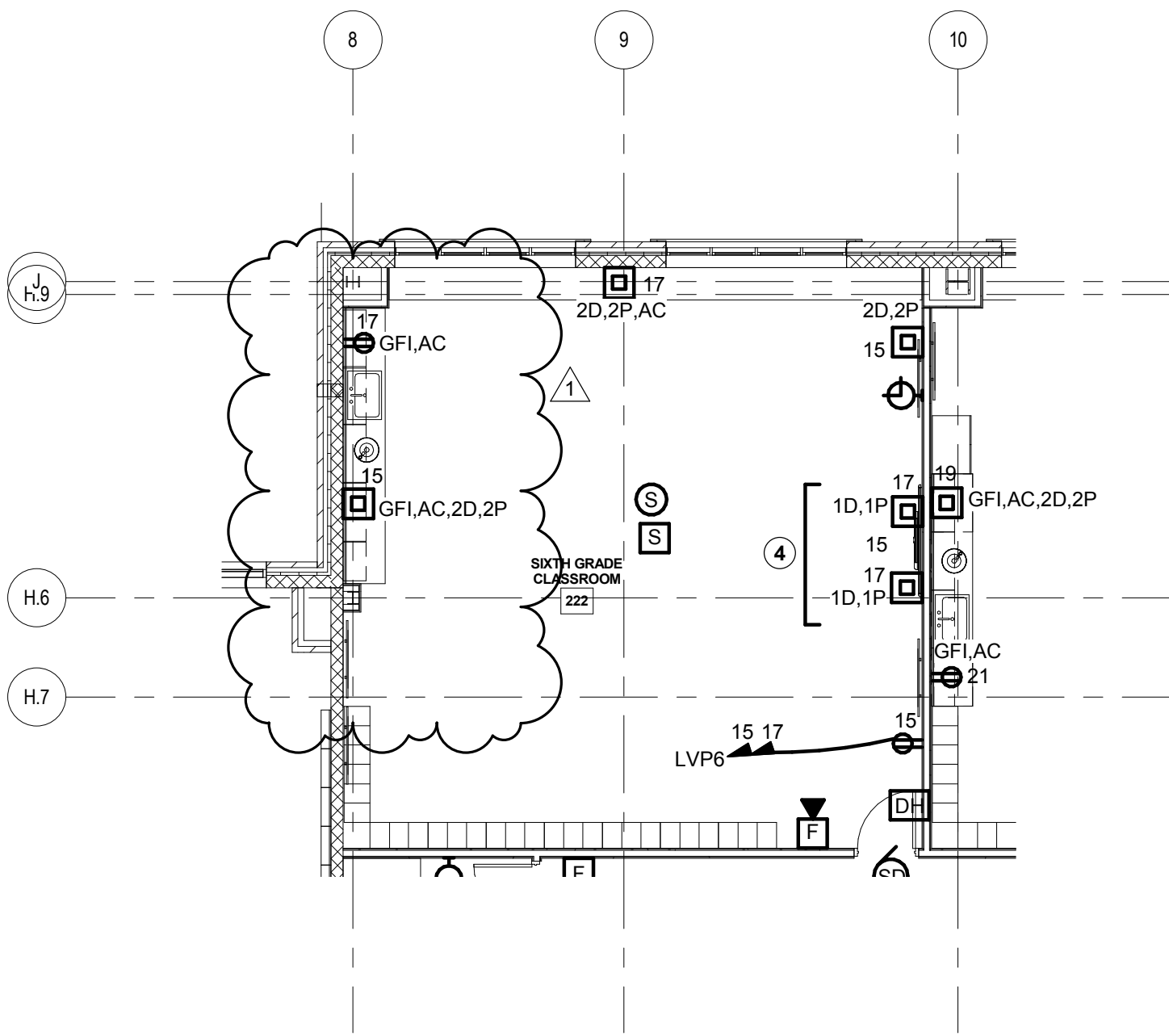
Date **01/04/19** SEI Project No. **17-3016**

Revisions

**PARTIAL SECOND FLOOR PLAN
- POWER AND SS - AREA A**

AD1-E2

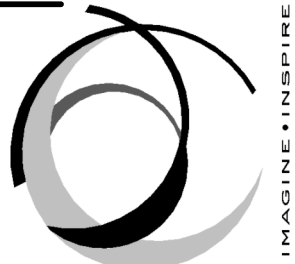
Reference DWG. E1204



1 PARTIAL SECOND FLOOR PLAN - POWER AND SS
1/8" = 1'-0"

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ELECTRIC EQUIPMENT AND CONTROL SCHEDULE



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design group

585.442.7010 - 224 Mill St. - Rochester, NY 14614
518.435.2467 - 187 Wolf Rd., Suite 304 - Albany, NY 12205
607.304.4590 - 2 Court St., Suite 404 - Binghamton, NY 13901

**ROCHESTER CITY
SCHOOL DISTRICT**

**DR. WALTER
COOPER, SCHOOL
#10**

SCHOOL 10
353 CONGRESS AVE.
ROCHESTER, NEW YORK 14619

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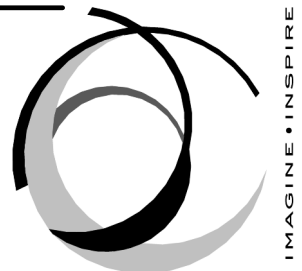
Date **01/04/19** SEI Project No. **17-3016**
Revisions

**ELECTRICAL
SCHEDULES**

AD1-E3

Reference DWG. E1701

| EQUIPMENT | | | | | | POWER SOURCE, PROTECTION & WIRING | | | | | | | CONTROLS | | | |
|-----------|--------|---------------|-----|-------|--------------|-----------------------------------|----------------------------------|---|--------|---------|---|--------|----------|---------------------------------|-------------------------|---------|
| ITEM ID | NAME | ROOM LOCATION | HP | PHASE | SYSTEM VOLTS | PANEL or CONTROL CENTER | CIRCUIT BREAKER or "FU" FOR FUSE | POWER WIRING FROM PANEL TO CONTROL UNIT | | | POWER WIRING FROM CONTROL UNIT TO EQUIPMENT | | | MANUAL MOTOR STARTER WITH RELAY | CONTROL DEVICE LOCATION | ITEM ID |
| | | | | | | | | PHASE | GROUND | CONDUIT | PHASE | GROUND | CONDUIT | | | |
| 51 | HWCP-1 | 228 | 1/3 | 1 | 120 | LVPEQ-43 | 20/1 | 2*8 | 1*8 | 3/4"C | 2*12 | 1*12 | 3/4"C | X | AU | 51 |
| 52 | HWCP-4 | 228 | 1/8 | 1 | 120 | LVPEQ-45 | 20/1 | 2*8 | 1*8 | 3/4"C | 2*12 | 1*12 | 3/4"C | X | AU | 52 |
| 53 | HWCP-3 | 005 | 1/8 | 1 | 120 | LVPEQ-47 | 20/1 | 2*12 | 1*12 | 3/4"C | 2*12 | 1*12 | 3/4"C | X | AU | 53 |
| 54 | HWCP-2 | 005 | 1/8 | 1 | 120 | LVPEQ-49 | 20/1 | 2*12 | 1*12 | 3/4"C | 2*12 | 1*12 | 3/4"C | X | AU | 54 |
| 57 | HWCP-5 | 003A | 1/6 | 1 | 120 | LVPEQ-51 | 20/1 | 2*12 | 1*12 | 3/4"C | 2*12 | 1*12 | 3/4"C | X | AU | 57 |
| 58 | HWCP-6 | 004 | 1/8 | 1 | 120 | LVPEQ-53 | 20/1 | 2*12 | 1*12 | 3/4"C | 2*12 | 1*12 | 3/4"C | X | AU | 58 |



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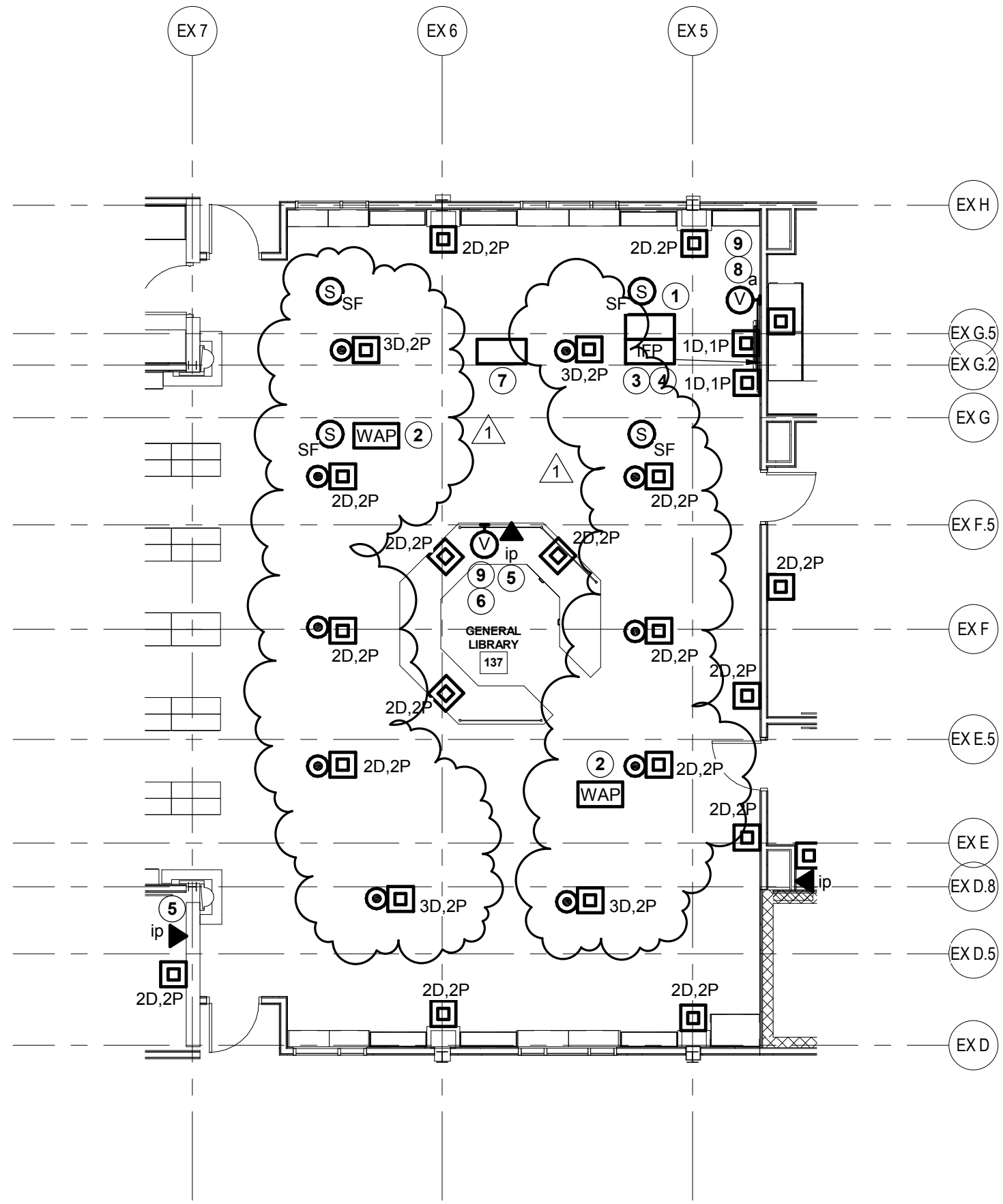
Revisions

1 01/04/19 ADDENDUM 1

**PARTIAL FIRST FLOOR PLAN -
DWT - AREA B**

AD1-T1

Reference DWG. T1203



1 PARTIAL FIRST FLOOR PLAN - DWT
1/8" = 1'-0"

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