

Town of East Hartford

ADDENDUM No. 1

STRUCTURAL REPAIRS to VETERANS MEMORIAL CLUBHOUSE – NORTH WING Bid No. 22-09

Issued MARCH 1, 2022

The following summarizes questions presented during the Pre-Bid Meeting.

BIDDING QUESTIONS and RESPONSES

Question-01: Can AISC Certified Plant requirement be waived (due to small size of the project)?

Response-01:

Requirement that structural steel be fabricated at an AISC Certified Plant will be waived under the following conditions.

- 1. Comply with Section 6 – Shop Fabrication and Delivery, and Section 8 – Quality Control, of AISC 303-10 Code of Standard Practice for Steel Buildings and Bridges.*
- 2. At no additional cost to the Town, fabricator shall contract with an independent certified welding inspector to perform the following tasks and submittals:*
 - a. Review fabrication procedures;*
 - b. Conduct inspection of all shop welds;*
 - c. Inspect surface preparation*
 - d. Inspect pre-heat and post-heat*
 - e. Verify size and length of fillet welds*
 - f. Perform ultrasonic test of all full-penetration welds.*
 - g. Prepare and submit report to attest all of the above were successfully performed and completed in accordance with AISC requirements.*

Question-02: Does the Scope include replacement of decayed framing members?

Response-02:

No; it is not anticipated that deteriorated structural framing members will be encountered. Immediately notify the Structural Engineer of Record if deteriorated structural members are found during construction.

Question-03: Does the Plaster in the North Wing contain asbestos?

Response-03:

No, the plaster does not contain asbestos. See the attached Hazardous Materials Assessment report submitted by Payne Environmental, LLC (PAYNE) (dated December 2019.) Pages 8 through 11 of the report identify areas and findings of areas that were assessed within the Clubhouse.

Question-04: Can additional access to the building be provided during the Pre-Bid period?

Response-04:

*Contact: Mr. Thomas Baptist
Project Manager – Sustainability
Department of Public Works
1 Ecology Drive, East Hartford, CT 06108
TBaptist@EastHartfordCT.gov
860.241.7105*

The following includes revisions to the Bid Documents.

DRAWINGS

Drawing S-6

Remove the existing drawing S-6 Rev. 0, and replace with the attached S-6, Rev. 1.

Changes include

- a. Existing Section Title names were revised to reflect Direct and Indirect Roof Tie details.
- b. Deleted existing Partial Plan of Roof Tie Framing and replaced with new Plan.

PHOTOGRAPHS

Included are Photographs showing the following:

- a. Roof framing system in Attic of North Ballroom.
- b. Truss support column on west wall of Ballroom.

Also, the bid opening will be held in person at the Town of East Hartford Purchasing Department located in the basement at 740 Main Street, East Hartford. The original bid documents stated the bid opening would be held virtually via Microsoft Teams.

EXISTING NORTH WING ATTIC PHOTOGRAPHS



Photo A1 – North Wing Ballroom (looking towards southeast)
All attached photos were taken from ceiling access panel.

EXISTING NORTH WING ATTIC PHOTOGRAPHS

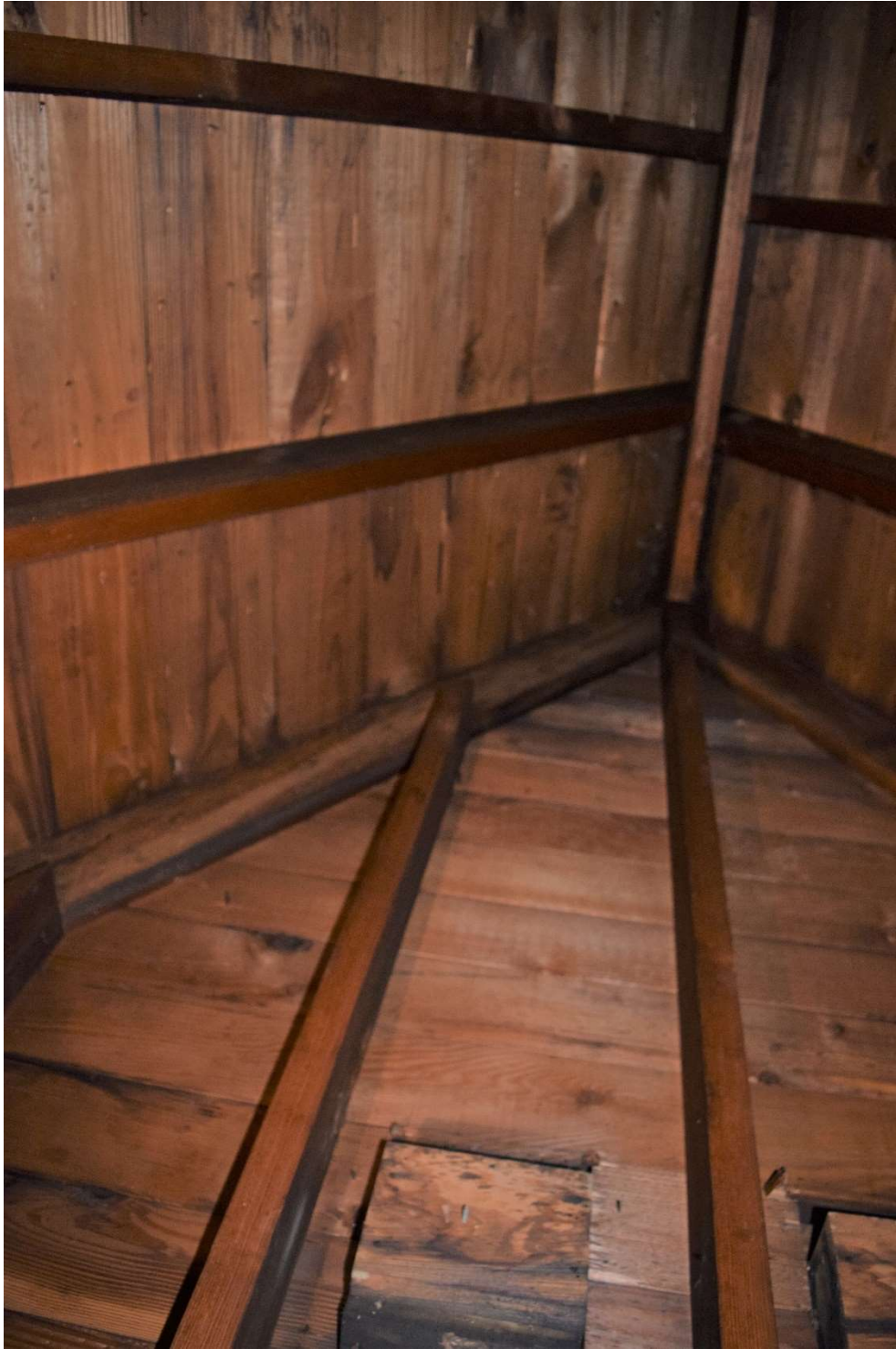


Photo A2 – North Wing Attic (looking towards South)
Looking towards South.

EXISTING NORTH WING ATTIC PHOTOGRAPHS



Photo A3 – North Wing Attic
Looking towards southeast corner.

EXISTING NORTH WING ATTIC PHOTOGRAPHS



Photo A4 – North Wing Attic
Looking towards northeast corner.

EXISTING NORTH WING ATTIC PHOTOGRAPHS



Photo A5 – North Wing Attic
Looking towards northeast corner.

EXISTING NORTH WING ATTIC PHOTOGRAPHS



Photo A6 – North Wing Attic

EXISTING NORTH WING ATTIC PHOTOGRAPHS

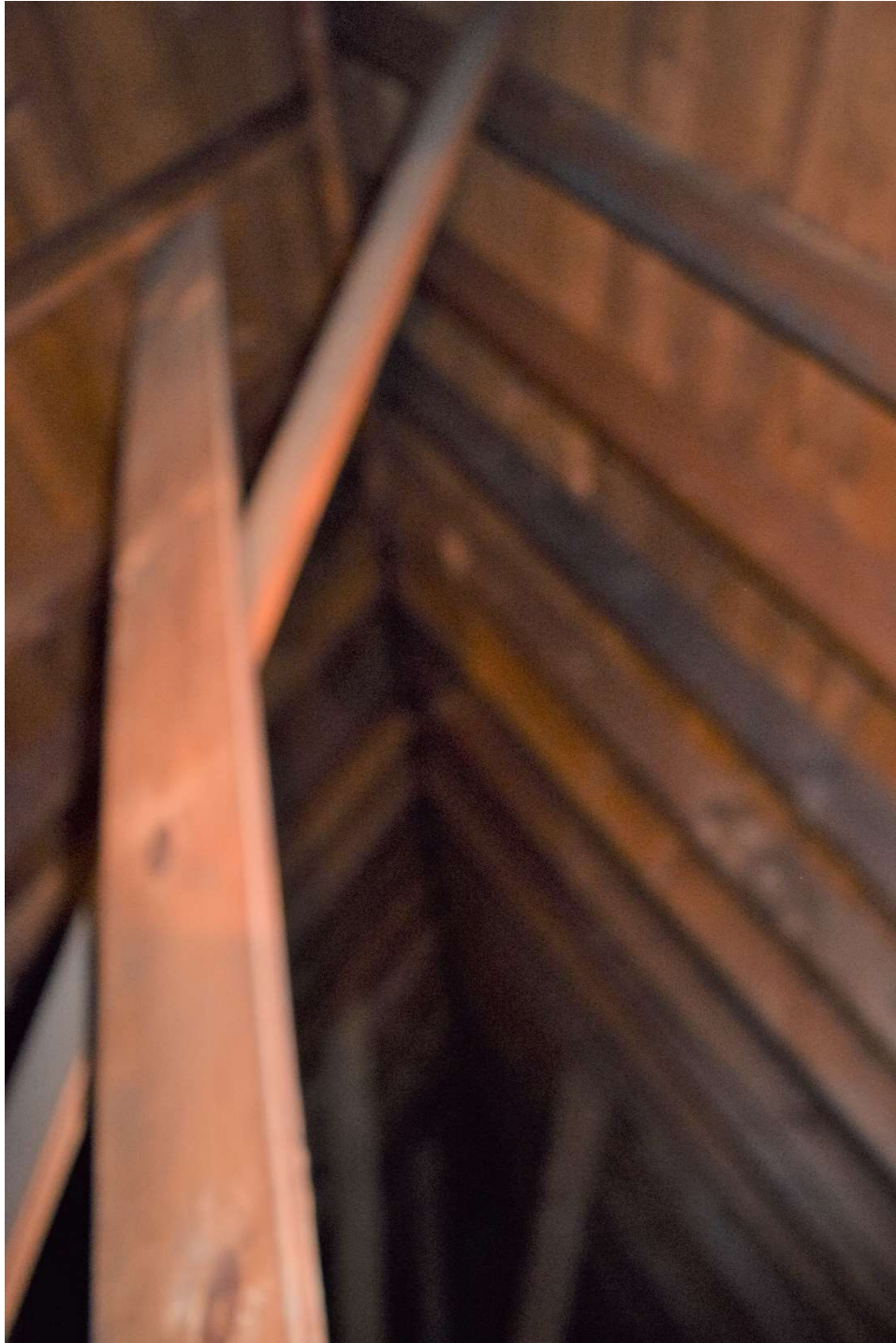


Photo A7 – North Wing Attic

EXISTING NORTH WING ATTIC PHOTOGRAPHS



Photo A8 – North Wing Attic
Looking towards north.

EXISTING NORTH WING ATTIC PHOTOGRAPHS



Photo A9 – North Wing Attic
Looking towards north.

EXISTING NORTH WING ATTIC PHOTOGRAPHS



Photo A10 – North Wing Attic
Looking towards west.

EXISTING NORTH WING ATTIC PHOTOGRAPHS



Photo A11 – North Wing Attic
Looking towards west.

EXISTING NORTH WING ATTIC PHOTOGRAPHS



Photo A12 – North Wing Attic
Looking towards south west.

EXISTING NORTH WING WEST WALL PHOTOGRAPHS



Photo EW1 – North Wing Ballroom (looking towards west)
Removed wall paneling to expose truss support column.

EXISTING NORTH WING WEST WALL PHOTOGRAPHS



Photo EW2 – North Wing Ballroom (looking towards West)
Removed wall paneling to expose truss support column.

EXISTING NORTH WING WEST WALL PHOTOGRAPHS



Photo EW3 – North Wing Ballroom
Truss connection to wood column.

EXISTING NORTH WING WEST WALL PHOTOGRAPHS



Photo EW4 – North Wing Ballroom
Truss connection to wood column.

EXISTING NORTH WING WEST WALL PHOTOGRAPHS



Photo EW5 – North Wing Ballroom
Truss connection to wood column.

EXISTING NORTH WING WEST WALL PHOTOGRAPHS



Photo EW6 – North Wing Ballroom
Truss connection to wood column

EXISTING NORTH WING WEST WALL PHOTOGRAPHS



Photo EW7 – North Wing Ballroom
Truss support column at base of wall.

EXISTING NORTH WING WEST WALL PHOTOGRAPHS



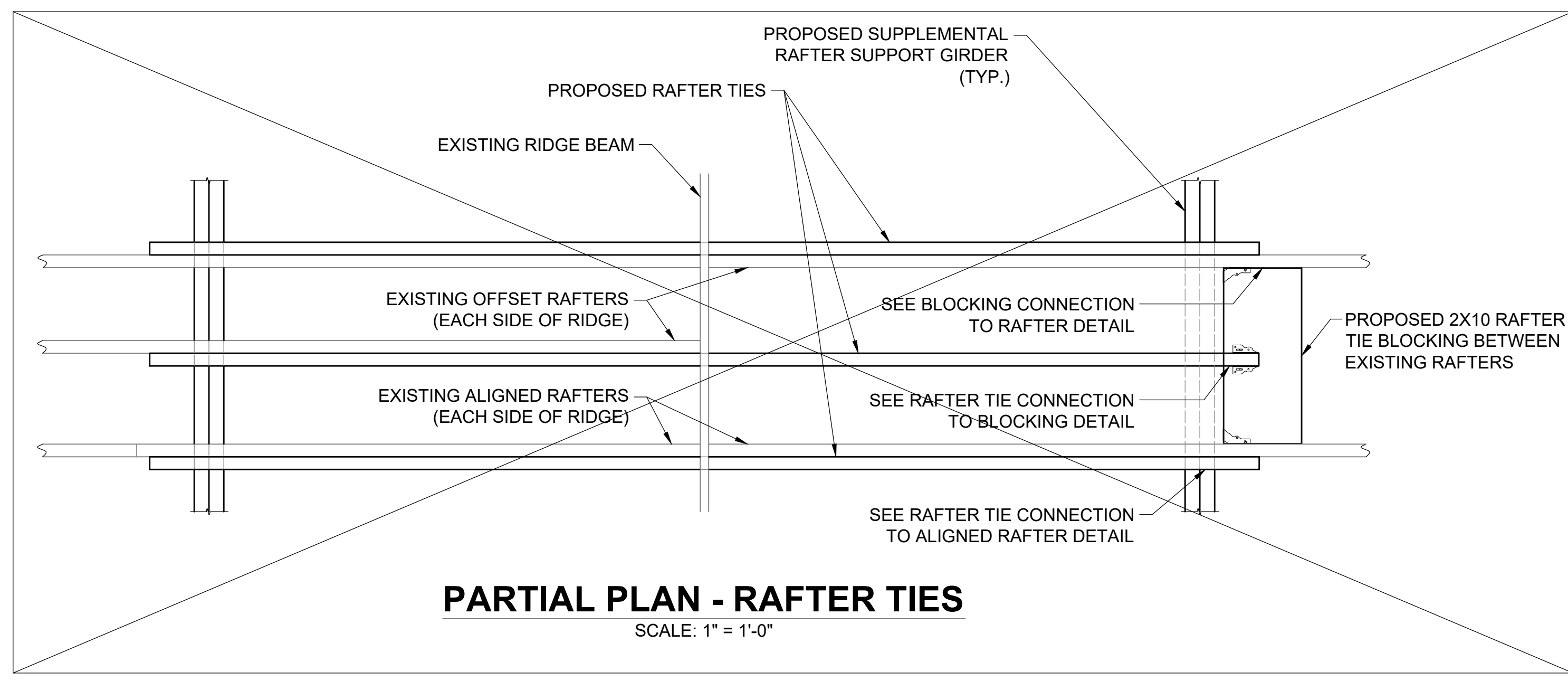
Photo EW8 – North Wing Ballroom
Truss support column at base of wall.

EXISTING NORTH WING WEST WALL PHOTOGRAPHS

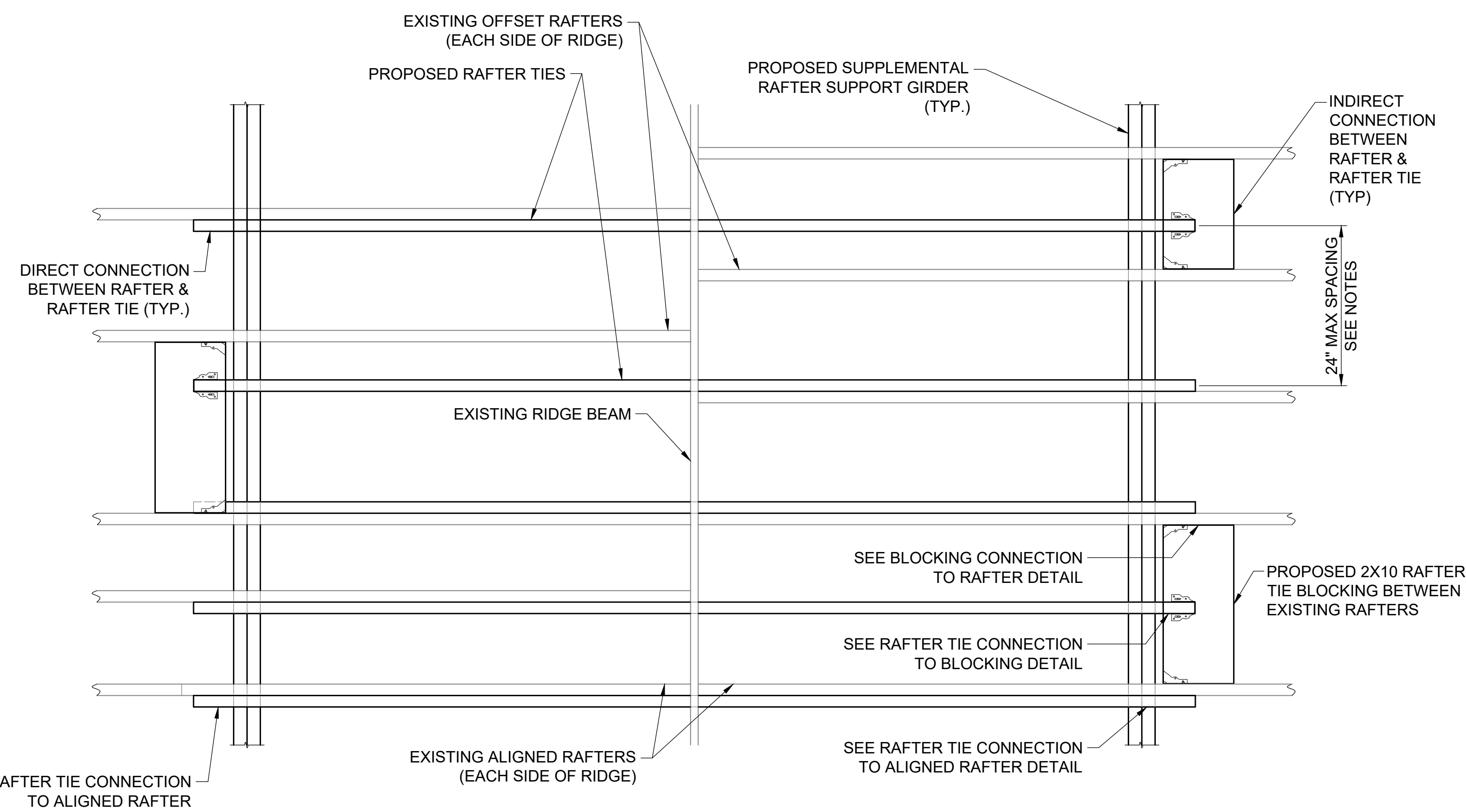


Photo EW9 – North Wing Ballroom
Truss support column at base of wall.

PLOT: 2/16/2022 1:12 PM FILE Y:\Projects\2019\19-189-00\CAD\Current\BLL_Constr_Phase.dwg
 User: bhartford



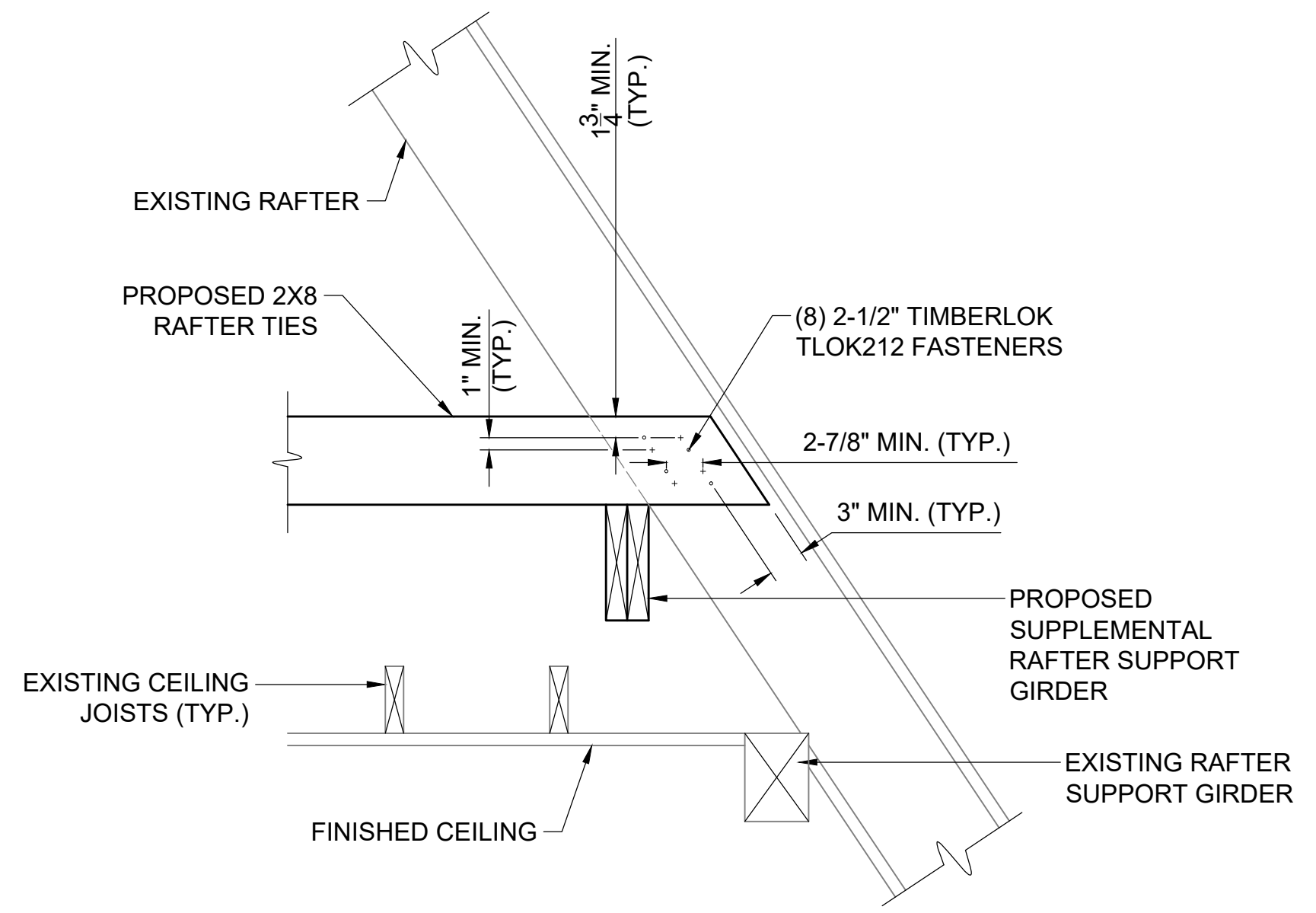
PARTIAL PLAN - RAFTER TIES
SCALE: 1" = 1'-0"



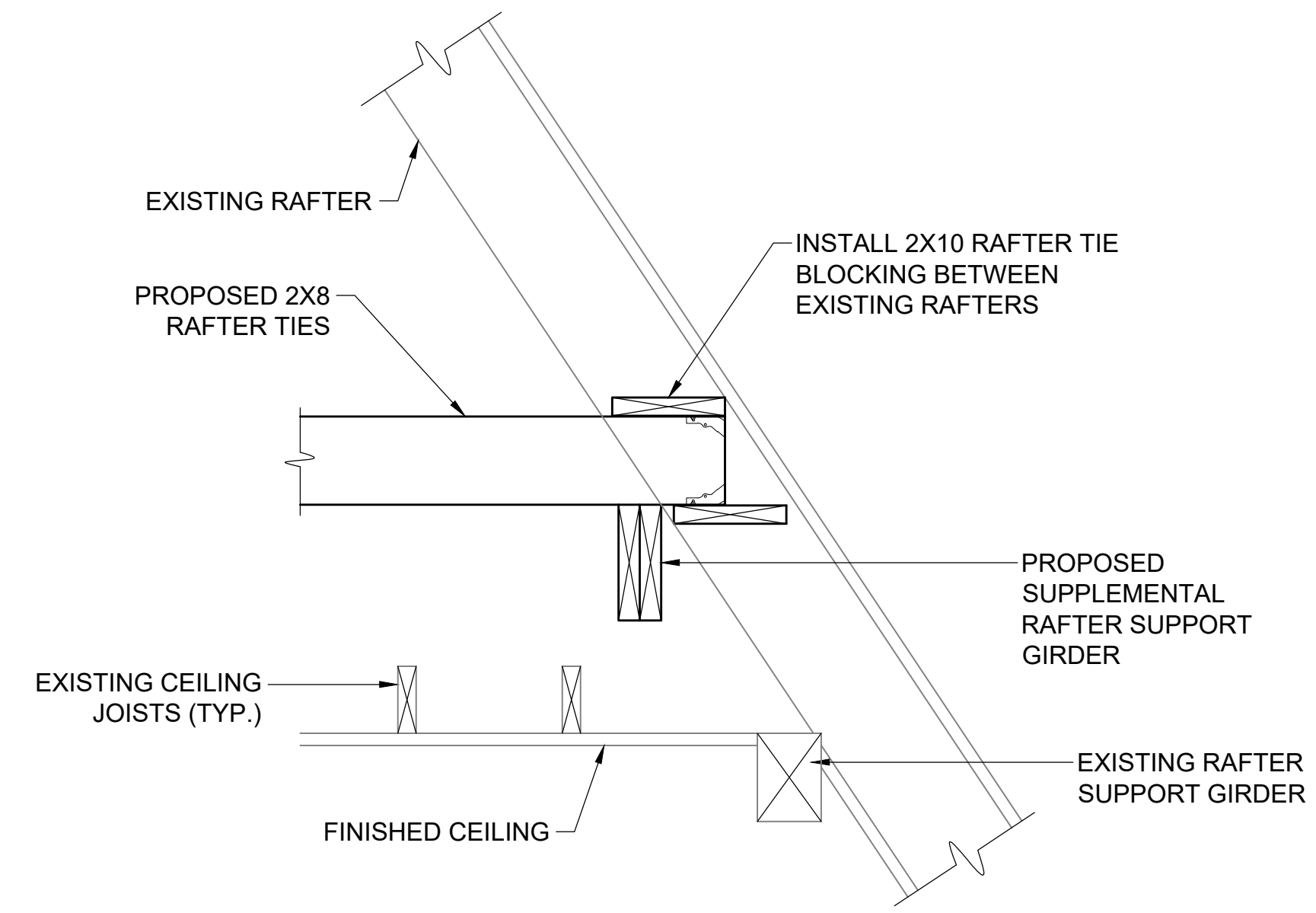
PARTIAL PLAN - RAFTER TIES
SCALE: 1" = 1'-0"

RAFTER TIE NOTES

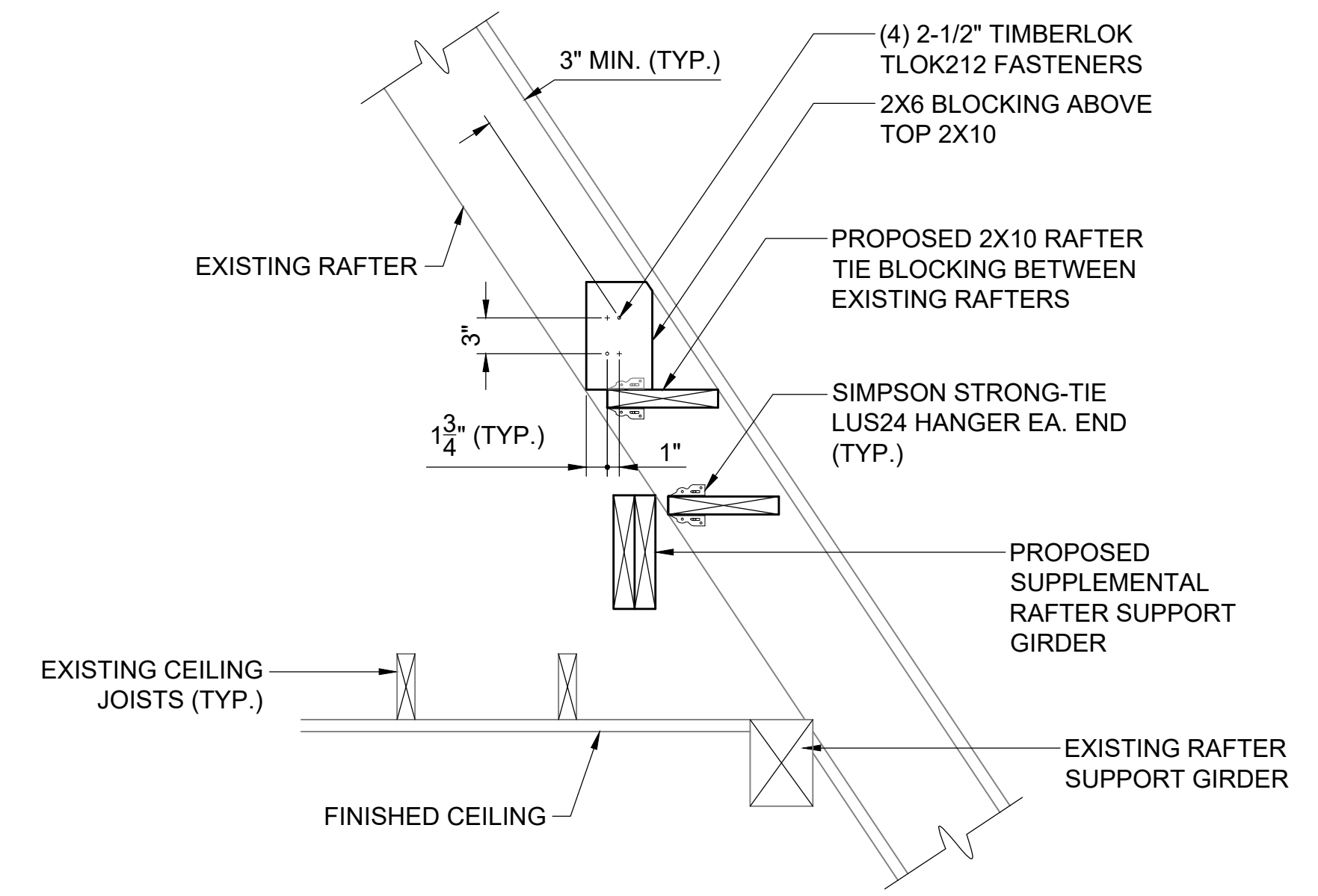
1. EACH RAFTER TIE MUST HAVE ONE DIRECT CONNECTION TO AN EXISTING ROOF RAFTER.
2. ALTERNATE LOCATION OF DIRECT CONNECTION FROM EAST TO WEST SIDES OF THE ROOF.
3. INSTALL RAFTER TIES AT A MAXIMUM SPACING OF 24 INCHES ON CENTER.
4. MAXIMUM SPACING OF RAFTER TIES MAY BE MODIFIED TO AN AVERAGE SPACING OF 24 INCHES ON CENTER UPON PRIOR APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.



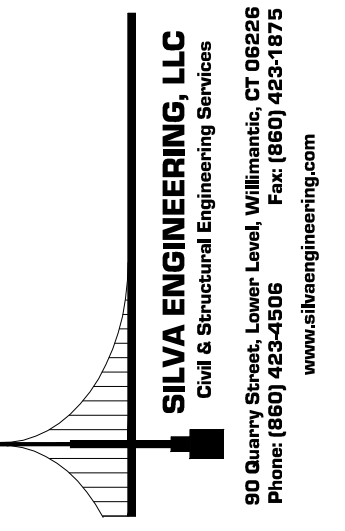
DIRECT CONNECTION BETWEEN RAFTER & RAFTER TIE
SCALE: 1" = 1'-0"



INDIRECT CONNECTION BETWEEN RAFTER & RAFTER TIE
SCALE: 1" = 1'-0"



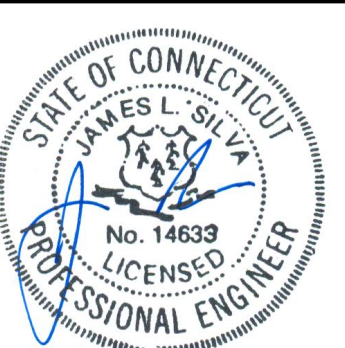
BLOCKING CONNECTION TO RAFTER



RAFTER TIE PLAN & CONNECTION DETAILS
PROPOSED STRUCTURAL REPAIRS
VETERAN'S MEMORIAL CLUBHOUSE
 100 SUNSET RIDGE DR
 EAST HARTFORD, CONNECTICUT

TITLE: NAME:

REVISIONS:
 DATE: 2/18/2022
 ADDED NEW RAFTER TIE PARTIAL PLAN; RENAMED DETAILS.



NOT AUTHORIZED FOR CONSTRUCTION WITHOUT PROFESSIONAL ENGINEER'S STAMP & SIGNATURE

SCALE: AS NOTED	DATE: 9/28/21
DESIGN: PF	CHECKED: JLS
JOB NO: 19-189-02	SHEET NO: S-6



Consulting Engineers and Scientists

**HAZARDOUS MATERIALS ASSESSMENT
VETERANS MEMORIAL CLUBHOUSE
100 SUNSET RIDGE DRIVE
EAST HARTFORD, CT**

December 2019

PROJECT NUMBER: 19.137/001

Prepared For:

Antinozzi Associates PC
271 Fairfield Avenue
Bridgeport, Connecticut 06604

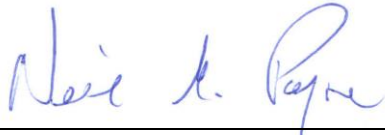
Prepared By:

Payne Environmental, LLC
85 Willow Street
New Haven, Connecticut 06511
Phone 203.865.1285
Facsimile 203.865.1286

**HAZARDOUS MATERIALS ASSESSMENT
VETERANS MEMORIAL CLUBHOUSE
100 SUNSET RIDGE DRIVE
EAST HARTFORD, CT**

Quality Assurance/Quality Control

The following personnel have reviewed this report for accuracy, content and quality of presentation:



Neil G. Payne, *PhD, CHMM, LEP*
Project Director

12/9/2019

Date



Gail R. Simon

12/9/2019

Date

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LIST OF ATTACHMENTS

Attachment	Title
Attachment A:	Laboratory Analytical Results – Asbestos
Attachment B:	Sample Location Plans
Attachment C:	PAYNE Certifications

1.0 INTRODUCTION

Payne Environmental, LLC (PAYNE) was retained by Antinozzi Associates PC to perform a Hazardous Materials Assessment (HMA) of the property known as Veterans Memorial Clubhouse, 100 Sunset Ridge Drive, East Hartford, Connecticut. The purpose of this HMA was to assess for the presence of hazardous and regulated materials located within interior and exterior areas that may be disturbed during planned renovations and/or major alteration activities and that may impact costs associated with such activities.

The inspection included a survey for asbestos-containing materials (ACM). All testing was performed by PAYNE personnel trained, certified and licensed in hazardous materials testing. Qualifications of field personnel involved in this investigation are provided in Attachment C.

This document provides a brief description of the subject site (Section 2.0); the field investigation methods and results (Sections 3.0 and 4.0); and the summary and conclusions (Section 5.0).

2.0 SITE DESCRIPTION

The ±1.64-acre site is located on east and south of Sunset Ridge Drive, and bounded to the east and south by open space and residential properties. within the site boundary. The site is improved with a three-story clubhouse structure (built circa 1930), bituminous parking lots and driveway, patio areas and extensive landscaped areas.

The exterior is constructed of wood siding, brick and stucco , and heated via forced-air oil-fired furnaces. Building materials observed and inspected included: sheetrock & plaster ceiling/walls, floor tiles/mastic, ceramic tile/mortar/grout, sheet flooring, textured ceiling paint, ceiling tiles, various interior and exterior caulking, exterior and interior stucco, vinyl base cove moldings/adhesives, kitchen sink condensate barriers, paper-backed insulation, vapor barriers (black paper behind wood-siding) and asphalt roofing shingles.

3.0 DETERMINATION OF POTENTIAL CONTAMINATION

3.1 Objective

The purpose of this investigation was to screen for the presence of asbestos-containing materials (ACMs) associated with the building that may be affected by future activities so that a plan could be developed for their appropriate handling and disposal.

3.2 Asbestos-Containing Materials

The standard methodology for surveying and evaluating buildings to determine the presence of asbestos-containing material (ACM) involves a series of activities which provide information concerning the presence, type, location, and quantity of noted ACM and is conducted in accordance with current United States Environmental Protection Agency (USEPA) Asbestos Hazard Emergency Response Act (AHERA; 40 CFR Part 763 Subpart E), USEPA National Emission Standards for Hazardous Air Pollutants (NESHAPS, 40 CFR Part 61), and OSHA Asbestos Standard (29 CFR 1926.1101) guidelines.

During the site visit conducted during on November 26, 2019, licensed asbestos inspectors performed a hazard assessment within interior and exteriors areas of the site structures. Limited destructive testing was undertaken.

During inspections, suspect asbestos-containing material (ACM) is separated into three USEPA categories. These categories are thermal insulation (TSI), surfacing ACM, and miscellaneous ACM. TSI includes all materials used to prevent heat loss or gain or water condensation on mechanical systems. Examples of TSI are pipe insulation, boiler insulation, duct insulation, and mudded insulation on pipe fittings. Surfacing ACM includes all ACM that is sprayed, trowel led, or otherwise applied to an existing surface. Surfacing ACM is commonly used for fireproofing, decorative, and acoustical applications. Miscellaneous materials include ACM not listed in thermal or surfacing, such as linoleum, vinyl asbestos flooring, and ceiling tiles.

Representative bulk samples of suspect homogeneous materials were collected within the defined sampling areas in accordance with AHERA protocols. Materials that were sampled were

transported following proper chain-of-custody procedures and analyzed by Polarized Light Microscopy (PLM) at a state-certified and AIHA-accredited laboratory. All ACM was quantified in linear and square footage, depending on the nature of the material. Materials identified are based on the information acquired during this limited survey and by no means infer that all materials have been wholly identified.

The EPA recommends further analysis of non-friable organically bound (NOB) materials by Transmission Electron Microscopy (TEM) to avoid false negatives by Polarized Light Microscopy (PLM). NOB materials include floor tiles, mastics, asphalt shingles, roofing materials, caulking, and glazing. Further TEM analysis was not conducted as part of this assessment.

Bulk samples were submitted to EMSL Analytical, Inc. (Wallingford, CT) for PLM bulk analysis (EPA Method 600/R-93/116).

4.0 RESULTS OF TESTING

4.1 Asbestos-Containing Materials

Using the USEPA protocol and criteria, the following materials listed in Table 1 were determined to be ACM by PLM Bulk Analysis (both >1% and trace). Typical materials testing positive for asbestos included interior and exterior caulk (window and door); floor tile/mastic; thermal pipe insulation; textured ceiling paint; roofing materials (assumed) and kitchen sink condensate barrier.

TABLE 1
ASBESTOS SAMPLING
LABORATORY ANALYTICAL RESULTS SUMMARY – ACM

SAMPLE ID	SAMPLE LOCATION	MATERIAL DESCRIPTION	QUANTITY	% ASBESTOS
CH-05	Basement Boiler Room	Flue cement	±3 SF	5% Chrysotile
N/A	Basement Boiler Room	Insulation associated with boiler room fire door	1 Unit	Assume
CH-08ABC	Basement Foyer/Corridors	Black mastic associated with 12" tan floor tiles	±280 SF	3% Chrysotile
CH-22	Basement Kitchen	Black condensate barrier associated with kitchen sink	1 Unit	6% Chrysotile
CH-43ABC	1 st Floor Meeting Room	12" tan floor tile associated with multiple layers of tile/mastics	±830 SF	2% Chrysotile

Using the USEPA protocol and criteria, the following materials listed in Table 2 were determined to be non-ACM by PLM Bulk Analysis. Typical non-ACM materials included sheetrock & plaster ceiling/walls, some floor tiles/mastic, ceramic tile/mortar/grout, sheet flooring, textured ceiling paint, ceiling tiles, various interior and exterior caulking, exterior and interior stucco, vinyl base cove moldings/adhesives, 1st & 2nd floor kitchen sink condensate barriers, paper-backed insulation, vapor barriers (black paper behind wood-siding) and asphalt roofing shingles.

TABLE 2
ASBESTOS SAMPLING
LABORATORY ANALYTICAL RESULTS SUMMARY – NON-ACM

SAMPLE ID	SAMPLE LOCATION	MATERIAL DESCRIPTION
CH-01AB	Basement - Kitchen	Ceiling tile – 2' x 4'
CH-02AB	Basement - Kitchen	Sheetrock - wall
CH-03AB	Basement - Kitchen	Sheetrock joint compound - wall
CH-04AB	Basement - Kitchen	12" tan ceramic floor tile/adhesive
CH-06AB	Basement – Boiler Room	Sheetrock - ceiling
CH-07AB	Basement - Kitchen	6" tan ceramic cove base
CH-08ABC	Basement – Foyer/Corridor	12" tan vinyl floor tile
CH-09ABC	Basement – Foyer/Corridor	Brown cove base/yellow adhesive
CH-10AB	Basement – Storage/Radio Room	Window glazing compound
CH-11AB	Basement – Storage/Radio Room	4" blue ceramic tile
CH-12ABC	Basement – Storage/Radio Room	Wall plaster (skim & base coats)
CH-13ABC	Basement – Storage/Radio Room	Ceiling plaster (skim & base coats)
CH-14AB	Basement – Storage/Radio Room	1" tan/blue ceramic floor tile
CH-15AB	Basement – Men's Room	2'x2' ceiling tile
CH-16AB	Basement – Meeting Room	4" ceramic cove base/adhesive
CH-17AB	Men's Bathroom	Gray grout with #16
CH-18AB	Basement – Meeting Room	12" tan ceramic floor tile/yellow mortar
CH-19AB	Basement – Meeting Room	Gray grout with #18
CH-20	Basement – Meeting Room	Chimney cement coating (storage area)
CH-21AB	Basement – Meeting Room	Plaster ceiling
CH-23AB	1 st Floor - Kitchen	Plaster ceiling
CH-24AB	1 st Floor - Kitchen	Plaster wall
CH-25AB	1 st Floor - Kitchen	Skim coat on #24
CH-26ABC	1 st Floor - Kitchen	12" pink ceramic floor tile/white mortar
CH-27ABC	1 st Floor - Kitchen	Gray grout with #26
CH-28	1 st Floor - Kitchen	White sink condensate barrier
CH-29ABC	1 st Floor – Bar Area	8" gray ceramic floor tile/yellow mortar
CH-30ABC	1 st Floor – Bar Area	Gray grout with #29

CH-31AB	1 st Floor – Handicap Bathroom	2'x4' ceiling tile
CH-32ABC	1 st Floor – Handicap Bathroom	Ceiling plaster above #31
CH-33ABC	1 st Floor – Handicap Bathroom	Plaster wall
CH-34ABC	1 st Floor – Hallway	12" blue/gray ceramic floor tile/gray mortar
CH-35ABC	1 st Floor – Hallway	Gray grout with #34
CH-36AB	1 st Floor – Front Lobby	Plaster wall
CH-37ABC	1 st Floor – Ballroom	Black paper under hardwood floor
CH-38ABC	1 st Floor – Ballroom	White decorative wall stucco
CH-39AB	1 st Floor – Meeting Room	2'x4' ceiling tile
CH-40AB	1 st Floor – Meeting Room	12" ceiling tile above #39
CH-41AB	1 st Floor – Meeting Room	SR/SRJC - wall
CH-42AB	1 st Floor – Meeting Room	Plaster ceiling above ceiling tile
CH-43ABC	1 st Floor – Meeting Room	Black mastic associated with floor tile
CH-44AB	1 st Floor – Meeting Room	Black paper under #43
CH-45AB	1 st Floor – Storage Room	Sheetrock - wall
CH-46AB	1 st Floor – Rear Foyer (kitchen)	12" blue vinyl floor tile with tan mastic
CH-47AB	1 st Floor – Janitor Closet	1" ceramic floor tile
CH-48AB	1 st Floor – Janitor Closet	Cement mortar under #47
CH-49ABC	2 nd Floor - Roof	Brown asphalt roof shingle
CH-50	2 nd Floor - Kitchen	Black sink condensate barrier
CH-51ABC	2 nd Floor - Kitchen	Sheetrock – ceiling with textured paint
CH-52ABC	2 nd Floor - Kitchen	Sheetrock - wall
CH-53ABC	2 nd Floor - Kitchen	Sheetrock joint compound - wall
CH-54ABC	2 nd Floor - Kitchen	Pink/tan sheet flooring
CH-55AB	2 nd Floor - Kitchen	Brown cove base/adhesive
CH-56ABC	2 nd Floor – Bedroom over Lobby	Plaster ceiling
CH-57ABC	2 nd Floor – Bedroom over Lobby	Plaster wall
CH-58AB	2 nd Floor – Bedroom #2	Sheetrock - wall
CH-59AB	2 nd Floor – Bedroom #2	Sheetrock joint compound - wall
CH-60AB	2 nd Floor – Bathroom	6" blue ceramic floor tile/mortar
CH-61AB	2 nd Floor – Bathroom	Gray grout with #60
CH-62ABC	Exterior - Roof	Black paper under brown asphalt shingle
CH-63AB	Exterior	Gray rubbery door caulk

CH-64AB	Exterior	White window glazing compound
CH-65AB	Exterior	Gray brittle window caulk at sill
CH-66AB	Exterior	Gray rubbery window caulk at sill
CH-67AB	Exterior	Gray brittle window caulk at brick molding
CH-68ABC	Exterior	Yellow/white stucco on building face
CH-69AB	Exterior	Black paper behind yellow wood siding

Any suspect materials encountered during renovation/demolition activities that is not identified in this report as being non-ACM should be assumed to be ACM unless sample results prove otherwise and additional samples collected to properly identify suspect materials. Destructive testing was limited since the building is currently in use.

Copies of laboratory analytical data are provided in Attachment A.

4.2 Inaccessible or Untested Building Materials

Building areas, systems, structural components, or surfaces which could not be observed because a space was considered unsafe or impractical to demolish, disassemble, or remove systems or coverings, or because a person could not physically enter or observe the area or component is considered an inaccessible building area.

General limitations to our building materials portion of the Site survey for this project include the following areas/materials specifically not assessed:

- Underground asbestos-cement water/sewer lines (if they exist) for asbestos testing;
- Other building roof materials, including flashing tars;
- Inaccessible building materials suspect for asbestos;
- Electrical equipment (operational, thus inaccessible for testing at the time of the inspection);
- Below-grade damp-proofing on concrete foundations for asbestos; and
- Any suspect material not identified in the preceding tables.

Although PAYNE's intent was to conduct a thorough survey of the facility, it is important to note that we cannot guarantee that all ACMs, or potentially hazardous materials within the surveyed areas

have been identified. Building areas, systems, structural components, or surfaces which could not be observed because a space was considered unsafe or impractical to demolish, disassemble, or remove systems or coverings, or because a person could not physically enter or observe the area or component were not surveyed as part of our effort. It is important to note that these materials have frequently been used in areas where detection is difficult until renovation, demolition, and/or asbestos abatement work begins and allows access to these remote areas. Where access to portions of the site was unavailable or limited, PAYNE has provided no opinions as to the likely presence of these materials consistent with the information available.

5.0 SUMMARY AND CONCLUSIONS

Payne Environmental, LLC (PAYNE) was retained by Antinozzi Associates PC to perform a Hazardous Materials Assessment (HMA) of the property known as Veterans Memorial Clubhouse, 100 Sunset Ridge Drive, East Hartford, Connecticut. The purpose of this HMA was to assess for the presence of hazardous and regulated materials located within interior and exterior areas that may be disturbed during planned renovations and/or major alteration activities and that may impact costs associated with such activities.

PAYNE recommends:

- Identified asbestos-containing materials should be properly removed and disposed of in accordance with federal and state regulations prior to any disturbance activities.
- Workers should don proper personal protective equipment (PPE) in compliance with OSHA to prevent the potential of worker exposure to airborne materials during disturbance activities (lead, particulates etc).
- Universal wastes identified as part of this study may require proper disposal (i.e. potential mercury-containing thermostats).

Quantities of regulated materials and associated cost estimates for abatement will be provided under separate cover.

6.0 LIMITATIONS

The standard methodology for surveying and evaluating buildings to determine the presence of asbestos-containing material (ACM) involves a series of activities which provide information concerning the presence, type, location, and quantity of noted ACM and is conducted in general accordance with current United States Environmental Protection Agency (USEPA), Asbestos Hazard Emergency Response Act (AHERA; 40 CFR Part 763 Subpart E), USEPA National Emission Standards for Hazardous Air Pollutants (NESHAPS, 40 CFR Part 61), and OSHA Asbestos Standard (29 CFR 1926.1101) guidelines.

This evaluation has been prepared on behalf of and for the exclusive use of Antinozzi Associates PC use in an environmental and hazardous materials investigation of the Site. The conclusions provided by Payne Environmental, LLC are based solely on the scope of the work conducted and the sources of information referenced in this report.

This evaluation does not represent final conclusions regarding hazardous or regulated materials or any other environmental compliance. This evaluation was limited due to Client request for limited testing, Site occupancy, active mechanical and plumbing systems, limitation for destructive testing was limited etc. All building materials have not been assessed at the Site. It is assumed additional testing will need to be performed prior to disturbance. No attempt has been made to audit the facility or operations conducted at the Site with respect to regulatory compliance.

This evaluation is not meant to be utilized as a project design or bidding document. This assessment is not meant to identify all locations, quantities, and conditions of materials associated with the Site or to supply means and methods regarding abatement/removal activities.

This work has been undertaken in accordance with generally accepted consulting practices. No other warranty, express or implied, is made. This evaluation has been prepared in connection with anticipated future renovation activities. The contents of this report may not be copied, provided or otherwise communicated to any other party for any other purpose, in whole or in part, without the prior written consent of Payne Environmental, LLC.

ATTACHMENT A

LABORATORY ANALYTICAL RESULTS - ASBESTOS



EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492

Tel/Fax: (203) 284-5948 / (203) 284-5978

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

EMSL Order: 241907155

Customer ID: PAYNE50

Customer PO: 19.137/001

Project ID:

Attention: Neil G. Payne
Payne Environmental, LLC
PO Box 1190
Madison, CT 06443

Phone: (203) 421-2288

Fax: (203) 865-1286

Received Date: 11/27/2019 9:05 AM

Analysis Date: 12/03/2019 - 12/05/2019

Collected Date: 11/26/2019

Project: 19.137/001

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CH-01A 241907155-0001	Basement-kitchen - ceiling tile-2'x4'	Tan Fibrous Homogeneous	60% Cellulose 25% Min. Wool	15% Non-fibrous (Other)	None Detected
CH-01B 241907155-0002	Basement-kitchen - ceiling tile-2'x4'	Tan/White Fibrous Homogeneous	45% Cellulose 40% Min. Wool	15% Non-fibrous (Other)	None Detected
CH-02A 241907155-0003	Basement-kitchen - sheetrock-wall	Gray Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
CH-02B 241907155-0004	Basement-kitchen - sheetrock-wall	Gray Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
CH-03A 241907155-0005	Basement-kitchen - sheetrock joint compound-wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-03B 241907155-0006	Basement-kitchen - sheetrock joint compound-wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-04A-Ceramic Tile 241907155-0007	Basement-kitchen - 12" tan ceramic floor tile/adhesive	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-04A-Adhesive 241907155-0007A	Basement-kitchen - 12" tan ceramic floor tile/adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-04B-Ceramic Tile 241907155-0008	Basement-kitchen - 12" tan ceramic floor tile/adhesive	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-04B-Adhesive 241907155-0008A	Basement-kitchen - 12" tan ceramic floor tile/adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-05 241907155-0009	Basement-boiler room - flue cement	Gray Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
CH-06A 241907155-0010	Basement-boiler room - sheetrock-ceiling	Gray Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
CH-06B 241907155-0011	Basement-boiler room - sheetrock-ceiling	Gray/White Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
CH-07A 241907155-0012	Basement-kitchen - 6" tan ceramic cove base	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-07B 241907155-0013	Basement-kitchen - 6" tan ceramic cove base	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-08A-Floor Tile 241907155-0014	Basement-foyer/corridor - 12" tan vinyl floor tile with black mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Customer PO: 19.137/001
Project ID:

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CH-08A-Mastic 241907155-0014A	Basement-foyer/corridor - 12" tan vinyl floor tile with black mastic	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
CH-08B-Floor Tile 241907155-0015	Basement-foyer/corridor - 12" tan vinyl floor tile with black mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-08B-Mastic 241907155-0015A	Basement-foyer/corridor - 12" tan vinyl floor tile with black mastic				Positive Stop (Not Analyzed)
CH-08C-Floor Tile 241907155-0016	Basement-foyer/corridor - 12" tan vinyl floor tile with black mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-08C-Mastic 241907155-0016A	Basement-foyer/corridor - 12" tan vinyl floor tile with black mastic				Positive Stop (Not Analyzed)
CH-09A-Cove Base 241907155-0017	Basement-foyer/corridor - brown cove base/yellow adhesive	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-09A-Adhesive 241907155-0017A	Basement-foyer/corridor - brown cove base/yellow adhesive	Yellow Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
CH-09B-Cove Base 241907155-0018	Basement-foyer/corridor - brown cove base/yellow adhesive	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-09B-Adhesive 241907155-0018A	Basement-foyer/corridor - brown cove base/yellow adhesive	Yellow Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
CH-09C-Cove Base 241907155-0019	Basement-foyer/corridor - brown cove base/yellow adhesive	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-09C-Adhesive 241907155-0019A	Basement-foyer/corridor - brown cove base/yellow adhesive	Yellow Non-Fibrous Homogeneous	3% Cellulose 2% Synthetic	95% Non-fibrous (Other)	None Detected
CH-10A 241907155-0020	Basement-storage/radio room - window glazing compound	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-10B 241907155-0021	Basement-storage/radio room - window glazing compound	Gray/White Non-Fibrous Homogeneous	3% Fibrous (Other)	97% Non-fibrous (Other)	None Detected
CH-11A 241907155-0022	Basement-storage/radio room - 4" blue ceramic tile	White/Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-11B 241907155-0023	Basement-storage/radio room - 4" blue ceramic tile	White/Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-12A-Skim Coat 241907155-0024	Basement-storage/radio room - wall plaster (skim & base coats)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-12A-Base Coat 241907155-0024A	Basement-storage/radio room - wall plaster (skim & base coats)	Brown/Gray Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
CH-12B-Skim Coat 241907155-0025	Basement-storage/radio room - wall plaster (skim & base coats)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-12B-Base Coat 241907155-0025A	Basement-storage/radio room - wall plaster (skim & base coats)	Brown/Gray Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected

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CH-12C-Skim Coat 241907155-0026	Basement-storage/radio room - wall plaster (skim & base coats)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-12C-Base Coat 241907155-0026A	Basement-storage/radio room - wall plaster (skim & base coats)	Brown Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
CH-13A-Skim Coat 241907155-0027	Basement-storage/radio room - ceiling plaster (skim & base coats)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-13A-Base Coat 241907155-0027A	Basement-storage/radio room - ceiling plaster (skim & base coats)	Tan Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
CH-13B-Skim Coat 241907155-0028	Basement-storage/radio room - ceiling plaster (skim & base coats)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-13B-Base Coat 241907155-0028A	Basement-storage/radio room - ceiling plaster (skim & base coats)	Tan Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
CH-13C-Skim Coat 241907155-0029	Basement-storage/radio room - ceiling plaster (skim & base coats)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-13C-Base Coat 241907155-0029A	Basement-storage/radio room - ceiling plaster (skim & base coats)	Gray/Tan Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
CH-14A 241907155-0030	Basement-storage/radio room - 1" tan/blue ceramic floor tile	Gray/Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-14B 241907155-0031	Basement-storage/radio room - 1" tan/blue ceramic floor tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-15A 241907155-0032	Basement-men's room - 2'x2' ceiling tile	Tan/White Fibrous Homogeneous	45% Cellulose 30% Min. Wool	10% Perlite 15% Non-fibrous (Other)	None Detected
CH-15B 241907155-0033	Basement-men's room - 2'x2' ceiling tile	Tan/White Non-Fibrous Homogeneous	50% Cellulose 25% Min. Wool	10% Perlite 15% Non-fibrous (Other)	None Detected
CH-16A-Cove Base 241907155-0034	Basement-meeting room - 4" ceramic cove base/adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-16A-Adhesive 241907155-0034A	Basement-meeting room - 4" ceramic cove base/adhesive	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-16B-Cove Base 241907155-0035	Basement-meeting room - 4" ceramic cove base/adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-16B-Adhesive 241907155-0035A	Basement-meeting room - 4" ceramic cove base/adhesive	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-17A 241907155-0036	Men's bathroom - gray grout with #16	Gray Non-Fibrous Homogeneous		5% Quartz 95% Non-fibrous (Other)	None Detected

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CH-17B <small>241907155-0037</small>	Men's bathroom - gray grout with #16	Gray Non-Fibrous Homogeneous		8% Quartz 92% Non-fibrous (Other)	None Detected
CH-18A-Floor Tile <small>241907155-0038</small>	Basement-meeting room - 12" tan ceramic floor tile/yellow mortar	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-18A-Mortar <small>241907155-0038A</small>	Basement-meeting room - 12" tan ceramic floor tile/yellow mortar	Tan Non-Fibrous Homogeneous		3% Quartz 97% Non-fibrous (Other)	None Detected
CH-18B-Floor Tile <small>241907155-0039</small>	Basement-meeting room - 12" tan ceramic floor tile/yellow mortar	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-18B-Mortar <small>241907155-0039A</small>	Basement-meeting room - 12" tan ceramic floor tile/yellow mortar	Tan Non-Fibrous Homogeneous		3% Quartz 97% Non-fibrous (Other)	None Detected
CH-19A <small>241907155-0040</small>	Basement-meeting room - gray grout with #18	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-19B <small>241907155-0041</small>	Basement-meeting room - gray grout with #18	Gray Non-Fibrous Homogeneous		8% Quartz 92% Non-fibrous (Other)	None Detected
CH-20 <small>241907155-0042</small>	Basement-meeting room - chimney cement coating (storage area)	Tan Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
CH-21A-Skim Coat <small>241907155-0043</small>	Basement-meeting room - plaster ceiling	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-21A-Base Coat <small>241907155-0043A</small>	Basement-meeting room - plaster ceiling	Tan Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
CH-21B-Skim Coat <small>241907155-0044</small>	Basement-meeting room - plaster ceiling	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-21B-Base Coat <small>241907155-0044A</small>	Basement-meeting room - plaster ceiling	Tan Non-Fibrous Homogeneous		8% Quartz 92% Non-fibrous (Other)	None Detected
CH-22 <small>241907155-0045</small>	Basement-meeting room - black sink condensate barrier	Black Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
CH-23A <small>241907155-0046</small>	1st floor-kitchen - plaster ceiling	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-23B <small>241907155-0047</small>	1st floor-kitchen - plaster ceiling	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-24A <small>241907155-0048</small>	1st floor-kitchen - plaster wall	Gray Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
CH-24B <small>241907155-0049</small>	1st floor-kitchen - plaster wall	Gray Non-Fibrous Homogeneous	7% Cellulose	93% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CH-25A-Skim Coat 241907155-0050	1st floor-kitchen - skim coat on #24	Tan Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
CH-25A-Fiberboard 241907155-0050A	1st floor-kitchen - skim coat on #24	Brown Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
CH-25B-Skim Coat 241907155-0051	1st floor-kitchen - skim coat on #24	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-25B-Fiberboard 241907155-0051A	1st floor-kitchen - skim coat on #24	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
CH-26A-Ceramic Tile 241907155-0052	1st floor-kitchen - 12" pink ceramic floor tile/white mortar	White/Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-26A-Mortar 241907155-0052A	1st floor-kitchen - 12" pink ceramic floor tile/white mortar	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-26B-Ceramic Tile 241907155-0053	1st floor-kitchen - 12" pink ceramic floor tile/white mortar	Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-26B-Mortar 241907155-0053A	1st floor-kitchen - 12" pink ceramic floor tile/white mortar	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-27A 241907155-0054	1st floor-kitchen - gray grout with #26	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-27B 241907155-0055	1st floor-kitchen - gray grout with #26	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-27C 241907155-0056	1st floor-kitchen - gray grout with #26	Gray Non-Fibrous Homogeneous		5% Quartz 95% Non-fibrous (Other)	None Detected
CH-28 241907155-0057	1st floor-kitchen - white sink condensate barrier	White Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
CH-29A-Ceramic Tile 241907155-0058	1st floor-bar area - 8" gray ceramic floor tile/yellow mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-29A-Mortar 241907155-0058A	1st floor-bar area - 8" gray ceramic floor tile/yellow mortar	White Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
CH-29B-Ceramic Tile 241907155-0059	1st floor-bar area - 8" gray ceramic floor tile/yellow mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-29B-Mortar 241907155-0059A	1st floor-bar area - 8" gray ceramic floor tile/yellow mortar	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-29C-Ceramic Tile 241907155-0060	1st floor-bar area - 8" gray ceramic floor tile/yellow mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-29C-Mortar 241907155-0060A	1st floor-bar area - 8" gray ceramic floor tile/yellow mortar	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-30A 241907155-0061	1st floor-bar area - gray grout with #29	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CH-30B 241907155-0062	1st floor-bar area - gray grout with #29	Gray Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
CH-30C 241907155-0063	1st floor-bar area - gray grout with #29	Gray Non-Fibrous Homogeneous		5% Quartz 95% Non-fibrous (Other)	None Detected
CH-31A 241907155-0064	1st floor-handicap bathroom - 2'x4' ceiling tile	Tan/White Fibrous Homogeneous	40% Cellulose 20% Min. Wool	40% Non-fibrous (Other)	None Detected
CH-31B 241907155-0065	1st floor-handicap bathroom - 2'x4' ceiling tile	Tan Fibrous Homogeneous	40% Cellulose 30% Min. Wool	30% Non-fibrous (Other)	None Detected
CH-32A-Skim Coat 241907155-0066	1st floor-handicap bathroom - ceiling plaster above #31	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-32A-Base Coat 241907155-0066A	1st floor-handicap bathroom - ceiling plaster above #31	Gray Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
CH-32B-Skim Coat 241907155-0067	1st floor-handicap bathroom - ceiling plaster above #31	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-32B-Base Coat 241907155-0067A	1st floor-handicap bathroom - ceiling plaster above #31	Gray Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
CH-32C-Skim Coat 241907155-0068	1st floor-handicap bathroom - ceiling plaster above #31	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-32C-Base Coat 241907155-0068A	1st floor-handicap bathroom - ceiling plaster above #31	Tan Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
CH-33A-Skim Coat 241907155-0069	1st floor-handicap bathroom - plaster wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-33A-Base Coat 241907155-0069A	1st floor-handicap bathroom - plaster wall	Gray Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
CH-33B-Skim Coat 241907155-0070	1st floor-handicap bathroom - plaster wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-33B-Base Coat 241907155-0070A	1st floor-handicap bathroom - plaster wall	Gray Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
CH-33C-Skim Coat 241907155-0071	1st floor-handicap bathroom - plaster wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-33C-Base Coat 241907155-0071A	1st floor-handicap bathroom - plaster wall	Tan Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
CH-34A-Ceramic Tile 241907155-0072	1st floor-hallway - 12" blue/gray ceramic floor tile/gray mortar	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-34A-Mortar 241907155-0072A	1st floor-hallway - 12" blue/gray ceramic floor tile/gray mortar	Gray Non-Fibrous Homogeneous		2% Quartz 98% Non-fibrous (Other)	None Detected
CH-34B-Ceramic Tile 241907155-0073	1st floor-hallway - 12" blue/gray ceramic floor tile/gray mortar	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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CH-34B-Mortar 241907155-0073A	1st floor-hallway - 12" blue/gray ceramic floor tile/gray mortar	Gray Non-Fibrous Homogeneous		2% Quartz 98% Non-fibrous (Other)	None Detected
CH-34C-Ceramic Tile 241907155-0074	1st floor-hallway - 12" blue/gray ceramic floor tile/gray mortar	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-34C-Mortar 241907155-0074A	1st floor-hallway - 12" blue/gray ceramic floor tile/gray mortar	Gray Non-Fibrous Homogeneous		3% Quartz 97% Non-fibrous (Other)	None Detected
CH-35A 241907155-0075	1st floor-hallway - gray grout with #34	Gray Non-Fibrous Homogeneous		5% Quartz 95% Non-fibrous (Other)	None Detected
CH-35B 241907155-0076	1st floor-hallway - gray grout with #34	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-35C 241907155-0077	1st floor-hallway - gray grout with #34	Gray Non-Fibrous Homogeneous		5% Quartz 95% Non-fibrous (Other)	None Detected
CH-36A-Skim Coat 241907155-0078	1st floor-front lobby - plaster wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-36A-Base Coat 241907155-0078A	1st floor-front lobby - plaster wall	Gray Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
CH-36B-Skim Coat 241907155-0079	1st floor-front lobby - plaster wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-36B-Base Coat 241907155-0079A	1st floor-front lobby - plaster wall	Tan Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
CH-37A 241907155-0080	1st floor-ballroom - black paper under hardwood floor	Black Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
CH-37B 241907155-0081	1st floor-ballroom - black paper under hardwood floor	Black Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
CH-37C 241907155-0082	1st floor-ballroom - black paper under hardwood floor	Black Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
CH-38A 241907155-0083	1st floor-ballroom - white decorative wall stucco	Gray/White Non-Fibrous Homogeneous		5% Quartz 95% Non-fibrous (Other)	None Detected
CH-38B 241907155-0084	1st floor-ballroom - white decorative wall stucco	Gray/White Non-Fibrous Homogeneous		5% Quartz 95% Non-fibrous (Other)	None Detected
CH-38C 241907155-0085	1st floor-ballroom - white decorative wall stucco	Gray/White Non-Fibrous Homogeneous		5% Quartz 95% Non-fibrous (Other)	None Detected
CH-39A 241907155-0086	1st floor-meeting room - 2'x4' ceiling tile	Tan/White Fibrous Homogeneous	30% Cellulose 30% Min. Wool	40% Non-fibrous (Other)	None Detected
CH-39B 241907155-0087	1st floor-meeting room - 2'x4' ceiling tile	Tan/White Fibrous Homogeneous	40% Cellulose 30% Min. Wool	30% Non-fibrous (Other)	None Detected
CH-40A 241907155-0088	1st floor-meeting room - 12" ceiling tile above #39	Tan/White Non-Fibrous Homogeneous	60% Cellulose 10% Min. Wool	30% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CH-40B 241907155-0089	1st floor-meeting room - 12" ceiling tile above #39	Brown/White Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
CH-41A-Sheetrock 241907155-0090	1st floor-meeting room - sr/srjc-wall	Gray Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
CH-41A-Joint Compound 241907155-0090A	1st floor-meeting room - sr/srjc-wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-41B-Sheetrock 241907155-0091	1st floor-meeting room - sr/srjc-wall	Gray Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
CH-41B-Joint Compound 241907155-0091A	1st floor-meeting room - sr/srjc-wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-42A-Skim Coat 241907155-0092	1st floor-meeting room - plaster ceiling above ceiling tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-42A-Base Coat 241907155-0092A	1st floor-meeting room - plaster ceiling above ceiling tile	Gray Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
CH-42B-Skim Coat 241907155-0093	1st floor-meeting room - plaster ceiling above ceiling tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-42B-Base Coat 241907155-0093A	1st floor-meeting room - plaster ceiling above ceiling tile	Gray Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
CH-43A-Floor Tile 1 241907155-0094	1st floor-meeting room - 12" tan vinyl floor tile with black mastic (2 layers)	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-43A-Glue 241907155-0094A	1st floor-meeting room - 12" tan vinyl floor tile with black mastic (2 layers)	Yellow Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
CH-43A-Floor Tile 2 241907155-0094B	1st floor-meeting room - 12" tan vinyl floor tile with black mastic (2 layers)	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
CH-43A-Mastic 241907155-0094C	1st floor-meeting room - 12" tan vinyl floor tile with black mastic (2 layers)	Black Non-Fibrous Homogeneous	7% Cellulose	93% Non-fibrous (Other)	None Detected
CH-43B-Floor Tile 1 241907155-0095	1st floor-meeting room - 12" tan vinyl floor tile with black mastic (2 layers)	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-43B-Glue 241907155-0095A	1st floor-meeting room - 12" tan vinyl floor tile with black mastic (2 layers)	Yellow Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
CH-43B-Floor Tile 2 241907155-0095B	1st floor-meeting room - 12" tan vinyl floor tile with black mastic (2 layers)				Positive Stop (Not Analyzed)

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EMSL Order: 241907155
Customer ID: PAYNE50
Customer PO: 19.137/001
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CH-43B-Mastic 241907155-0095C	1st floor-meeting room - 12" tan vinyl floor tile with black mastic (2 layers)	Black Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
CH-43C-Floor Tile 1 241907155-0096	1st floor-meeting room - 12" tan vinyl floor tile with black mastic (2 layers)	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-43C-Glue 241907155-0096A	1st floor-meeting room - 12" tan vinyl floor tile with black mastic (2 layers)	Yellow Non-Fibrous Homogeneous	4% Cellulose	96% Non-fibrous (Other)	None Detected
CH-43C-Floor Tile 2 241907155-0096B	1st floor-meeting room - 12" tan vinyl floor tile with black mastic (2 layers)				Positive Stop (Not Analyzed)
CH-43C-Mastic 241907155-0096C	1st floor-meeting room - 12" tan vinyl floor tile with black mastic (2 layers)	Black Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
CH-44A 241907155-0097	1st floor-meeting room - black paper under #43	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
CH-44B 241907155-0098	1st floor-meeting room - black paper under #43	Black Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
CH-45A 241907155-0099	1st floor-storage room - sheetrock-wall	Gray Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
CH-45B 241907155-0100	1st floor-storage room - sheetrock-wall	Tan Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
CH-46A-Floor Tile 241907155-0101	1st floor-rear foyer (kitchen) - 12" blue vinyl floor tile with tan mastic	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-46A-Mastic 241907155-0101A	1st floor-rear foyer (kitchen) - 12" blue vinyl floor tile with tan mastic	Yellow Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
CH-46B-Floor Tile 241907155-0102	1st floor-rear foyer (kitchen) - 12" blue vinyl floor tile with tan mastic	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-46B-Mastic 241907155-0102A	1st floor-rear foyer (kitchen) - 12" blue vinyl floor tile with tan mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-47A 241907155-0103	1st floor-janitor closet - 1" ceramic floor tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-47B 241907155-0104	1st floor-janitor closet - 1" ceramic floor tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-48A 241907155-0105	1st floor-janitor closet - cement mortar under #47	Gray Non-Fibrous Homogeneous		4% Quartz 96% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CH-48B 241907155-0106	1st floor-janitor closet - cement mortar under #47	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-49A-Shingle 241907155-0107	2nd floor-roof - brown asphalt roof shingle	Black Fibrous Homogeneous	10% Glass	3% Quartz 87% Non-fibrous (Other)	None Detected
CH-49A-Tar 241907155-0107A	2nd floor-roof - brown asphalt roof shingle	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-49B-Shingle 241907155-0108	2nd floor-roof - brown asphalt roof shingle	Black Fibrous Homogeneous	10% Glass	5% Quartz 85% Non-fibrous (Other)	None Detected
CH-49C-Shingle 241907155-0109	2nd floor-roof - brown asphalt roof shingle	Black Non-Fibrous Homogeneous	10% Glass	5% Quartz 85% Non-fibrous (Other)	None Detected
CH-49C-Tar 241907155-0109A	2nd floor-roof - brown asphalt roof shingle	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-50 241907155-0110	2nd floor-kitchen - black sink condensate barrier	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-51A-Sheetrock 241907155-0111	2nd floor-kitchen - sheetrock-ceiling with textured paint	Gray Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
CH-51A-Texture 241907155-0111A	2nd floor-kitchen - sheetrock-ceiling with textured paint	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-51B-Sheetrock 241907155-0112	2nd floor-kitchen - sheetrock-ceiling with textured paint	Gray Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
CH-51C-Sheetrock 241907155-0113	2nd floor-kitchen - sheetrock-ceiling with textured paint	Gray/White Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
CH-51C-Texture 241907155-0113A	2nd floor-kitchen - sheetrock-ceiling with textured paint	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-52A 241907155-0114	2nd floor-kitchen - sheetrock-wall	Gray Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
CH-52B 241907155-0115	2nd floor-kitchen - sheetrock-wall	Gray Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
CH-52C 241907155-0116	2nd floor-kitchen - sheetrock-wall	Gray/White Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
CH-53A 241907155-0117	2nd floor-kitchen - sheetrock joint compound-wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-53B 241907155-0118	2nd floor-kitchen - sheetrock joint compound-wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-53C 241907155-0119	2nd floor-kitchen - sheetrock joint compound-wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-54A 241907155-0120	2nd floor-kitchen - pink/tan sheet flooring	Tan Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
<i>This is a composite result of both vinyl and backing layer.</i>					
CH-54B	2nd floor-kitchen - pink/tan sheet flooring	Tan Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
241907155-0121					
<i>This is a composite result of both vinyl and backing layer.</i>					
CH-54C	2nd floor-kitchen - pink/tan sheet flooring	Tan Fibrous Homogeneous	15% Cellulose 10% Synthetic	75% Non-fibrous (Other)	None Detected
241907155-0122					
<i>This is a composite result of both vinyl and backing layer.</i>					
CH-55A-Cove Base	2nd floor-kitchen - brown cove base/adhesive	Brown/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
241907155-0123					
CH-55A-Adhesive	2nd floor-kitchen - brown cove base/adhesive	Yellow Non-Fibrous Homogeneous	5% Cellulose 2% Synthetic	93% Non-fibrous (Other)	None Detected
241907155-0123A					
CH-55B-Cove Base	2nd floor-kitchen - brown cove base/adhesive	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
241907155-0124					
CH-55B-Adhesive	2nd floor-kitchen - brown cove base/adhesive	Yellow Non-Fibrous Homogeneous	10% Cellulose 5% Synthetic	85% Non-fibrous (Other)	None Detected
241907155-0124A					
CH-56A-Skim Coat	2nd floor-bedroom over lobby - plaster ceiling	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
241907155-0125					
CH-56A-Base Coat	2nd floor-bedroom over lobby - plaster ceiling	Tan Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
241907155-0125A					
CH-56B-Skim Coat	2nd floor-bedroom over lobby - plaster ceiling	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
241907155-0126					
CH-56B-Base Coat	2nd floor-bedroom over lobby - plaster ceiling	Tan Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
241907155-0126A					
CH-56C-Skim Coat	2nd floor-bedroom over lobby - plaster ceiling	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
241907155-0127					
CH-56C-Base Coat	2nd floor-bedroom over lobby - plaster ceiling	Brown Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
241907155-0127A					
CH-57A-Skim Coat	2nd floor-bedroom over lobby - plaster wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
241907155-0128					
CH-57A-Base Coat	2nd floor-bedroom over lobby - plaster wall	Tan Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
241907155-0128A					
CH-57B-Skim Coat	2nd floor-bedroom over lobby - plaster wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
241907155-0129					
CH-57B-Base Coat	2nd floor-bedroom over lobby - plaster wall	Tan Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
241907155-0129A					
CH-57C-Skim Coat	2nd floor-bedroom over lobby - plaster wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
241907155-0130					
CH-57C-Base Coat	2nd floor-bedroom over lobby - plaster wall	Brown Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
241907155-0130A					

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CH-58A 241907155-0131	2nd floor-bedroom #2 - sheetrock-wall	Gray Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
CH-58B 241907155-0132	2nd floor-bedroom #2 - sheetrock-wall	Gray Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
CH-59A 241907155-0133	2nd floor-bedroom #2 - sheetrock joint compound-wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-59B 241907155-0134	2nd floor-bedroom #2 - sheetrock joint compound-wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-60A-Ceramic Tile 241907155-0135	2nd floor-bathroom - 6" blue ceramic floor tile/mortar	Blue/Rust Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-60A-Mortar 241907155-0135A	2nd floor-bathroom - 6" blue ceramic floor tile/mortar	Gray Non-Fibrous Homogeneous	2% Cellulose	3% Quartz 95% Non-fibrous (Other)	None Detected
CH-60B-Ceramic Tile 241907155-0136	2nd floor-bathroom - 6" blue ceramic floor tile/mortar	Blue/Rust Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-60B-Mortar 241907155-0136A	2nd floor-bathroom - 6" blue ceramic floor tile/mortar	Gray/Tan Non-Fibrous Homogeneous	7% Cellulose	2% Quartz 91% Non-fibrous (Other)	None Detected
CH-61A 241907155-0137	2nd floor-bathroom - gray grout with #60	Gray Non-Fibrous Homogeneous		3% Quartz 97% Non-fibrous (Other)	None Detected
CH-61B 241907155-0138	2nd floor-bathroom - gray grout with #60	Gray Non-Fibrous Homogeneous		5% Quartz 95% Non-fibrous (Other)	None Detected
CH-62A 241907155-0139	Exterior-roof - black paper under brown asphalt shingle	Black Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
CH-62B 241907155-0140	Exterior-roof - black paper under brown asphalt shingle	Black Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
CH-62C 241907155-0141	Exterior-roof - black paper under brown asphalt shingle	Black Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
CH-63A 241907155-0142	Exterior - gray rubbery door caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
CH-63B 241907155-0143	Exterior - gray rubbery door caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
CH-64A 241907155-0144	Exterior - white window glazing compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-64B 241907155-0145	Exterior - white window glazing compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-65A 241907155-0146	Exterior - gray brittle window caulk at sill	Gray/White Non-Fibrous Homogeneous	85% Fibrous (Other)	15% Non-fibrous (Other)	None Detected
CH-65B 241907155-0147	Exterior - gray brittle window caulk at sill	White Non-Fibrous Homogeneous	25% Fibrous (Other)	75% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CH-66A 241907155-0148	Exterior - gray rubbery window caulk at sill	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-66B 241907155-0149	Exterior - gray rubbery window caulk at sill	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-67A 241907155-0150	Exterior - gray brittle window caulk at brick molding	White Non-Fibrous Homogeneous	80% Fibrous (Other)	20% Non-fibrous (Other)	None Detected
CH-67B 241907155-0151	Exterior - gray brittle window caulk at brick molding	Gray/White Non-Fibrous Homogeneous	25% Fibrous (Other)	75% Non-fibrous (Other)	None Detected
CH-68A 241907155-0152	Exterior - yellow/white stucco on building face	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-68B 241907155-0153	Exterior - yellow/white stucco on building face	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CH-68C 241907155-0154	Exterior - yellow/white stucco on building face	Tan Non-Fibrous Homogeneous		3% Quartz 97% Non-fibrous (Other)	None Detected
CH-69A 241907155-0155	Exterior - black paper behind yellow wood siding	Black Fibrous Homogeneous	75% Cellulose 3% Synthetic	22% Non-fibrous (Other)	None Detected
CH-69B 241907155-0156	Exterior - black paper behind yellow wood siding	Black Fibrous Homogeneous	45% Cellulose 10% Synthetic	45% Non-fibrous (Other)	None Detected
L-01 241907155-0157	Basement-boiler room - flue cement	Gray Non-Fibrous Homogeneous		3% Quartz 97% Non-fibrous (Other)	None Detected
L-02A 241907155-0158	Basement-storage - black paper on ceiling	Brown Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
L-02B 241907155-0159	Basement storage - black paper on ceiling	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
L-03A 241907155-0160	Basement-boiler room - plaster ceiling	Gray Non-Fibrous Homogeneous		2% Quartz 10% Vermiculite 88% Non-fibrous (Other)	None Detected
L-03B 241907155-0161	Basement-boiler room - plaster ceiling	Gray Non-Fibrous Homogeneous		10% Vermiculite 90% Non-fibrous (Other)	None Detected
L-03C 241907155-0162	Basement-boiler room - plaster ceiling	Gray/Tan Non-Fibrous Homogeneous		15% Vermiculite 85% Non-fibrous (Other)	None Detected
L-04A 241907155-0163	Basement-boiler room - window caulk	White Non-Fibrous Homogeneous	85% Fibrous (Other)	15% Non-fibrous (Other)	None Detected
L-04B 241907155-0164	Basement-boiler room - window caulk	Tan/White Non-Fibrous Homogeneous	15% Fibrous (Other)	85% Non-fibrous (Other)	None Detected
L-05A 241907155-0165	Basement-boiler room - cement under window casing	Brown Non-Fibrous Homogeneous		6% Quartz 94% Non-fibrous (Other)	None Detected
L-05B 241907155-0166	Basement-boiler room - cement under window casing	Tan Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected

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EMSL Order: 241907155
CustomerID: PAYNE50
CustomerPO: 19.137/001
ProjectID:

Attn: **Neil G. Payne**
Payne Environmental, LLC
PO Box 1190
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Phone: (203) 421-2288
Fax: (203) 865-1286
Received: 11/27/19 9:05 AM
Analysis Date: 12/7/2019
Collected: 11/26/2019

Project: 19.137/001

Test Report: Polarized Light Microscopy (PLM) - Point Count Performed by EPA 600/R-93/116 Method with Gravimetric Reduction and 400 Point Count

SAMPLE ID	DESCRIPTION	APPEARANCE	(% Matrix Organic Acid)		NON- ASBESTOS % Fibrous	NON- ASBESTOS % NON-FIBROUS	ASBESTOS % TYPES
CH-63A 241907155-0142	Exterior - gray rubbery door caulk	Gray Non-Fibrous Homogeneous	48.4	48.8		2.8 Non-fibrous (other)	<0.25 Chrysotile
CH-63B 241907155-0143	Exterior - gray rubbery door caulk	Gray Non-Fibrous Homogeneous	48.6	47.7		3.8 Non-fibrous (other)	<0.25 Chrysotile

Analyst(s)
Angela Catalano (1)
Leslie Tetrick (1)

Almedina Hodzic
Almedina Hodzic, Asbestos Laboratory Manager
or other approved signatory

Disclaimers: Some samples may contain asbestos fibers present in dimensions below PLM resolution limits. The limit of detection as stated in the method is 0.25%. EMSL Analytical Inc. suggests that samples reported as <0.25% or none detected undergo additional analysis via TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical Inc.. This report must not be used to claim product endorsement by NVLAP or any agency of the United States Government. EMSL Analytical Inc. bears no responsibility for sample collection activities, analytical method limitations, or the accuracy of results when requested to separate layer samples. EMSL Analytical Inc. liability is limited to the cost of sample analysis. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.
Samples analyzed by EMSL Analytical, Inc. Wallingford, CT NVLAP Lab Code 200700-0, CT PH-0322, MA AA000191, RI AAL-108T3, VT AL357101

Initial report from 12/07/2019 10:03:42



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Asbestos Chain of Custody EMSL Order Number (Lab Use Only):

241907155

PHONE:
FAX:

Company Name : Payne Environmental LLC		EMSL Customer ID:	
Street: 42 Ozick Dr., Suite #2		City: Durham	State/Province: CT
Zip/Postal Code: 06422	Country: USA	Telephone #: 203-865-1285 x10	Fax #: 203-865-1286
Report To (Name): Neil Payne		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Email Address: npayne@paynecorp.com		Purchase Order: 19.137/001	
Project Name/Number: 19.137/001		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken: CT		CT Samples: <input type="checkbox"/> Commercial/Taxable <input checked="" type="checkbox"/> Residential/Tax Exempt	
EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different - If Bill to is Different note instructions in Comments** Third Party Billing requires written authorization from third party			
Turnaround Time (TAT) Options* - Please Check <input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input checked="" type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.			
PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA	TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312	TEM- Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)	Soil/Rock/Vermiculite <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<1%) <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep <input type="checkbox"/> Cincinnati Method EPA 600/R-04/004 - PLM/TEM (BC only)
PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)	TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5	TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	Other: <input type="checkbox"/>
<input checked="" type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): <input checked="" type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm	
Samplers Name: Neil Payne		Samplers Signature: <i>Neil Payne</i>	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	See attached sample logs (3 sites)		
	Senior Center, Veterans Memorial Clubhouse &		
	Library, East Hartford, CT		
Client Sample # (s): -		Total # of Samples:	
Relinquished (Client): <i>Neil Payne</i>		Date: 11/27/2019	Time: 0905
Received (Lab):		Date:	Time:
Comments/Special Instructions: All samples 96 HR TAT except sample 210SRS-01 (24 HR TAT)			



241907155

PAYNE ENVIRONMENTAL, LLC
 85 WILLOW STREET
 NEW HAVEN, CONNECTICUT 06511
 TEL. 203.865.1285
 FAX 203.865.1286

ASBESTOS BULK SAMPLING LOG

BUILDING: Veterans Memorial Clubhouse**DATE:** 11-26-2019**LOCATION:** 100 Sunset Ridge Drive, East Hartford, CT**CLIENT NAME:** Antinozzi & Associates**PROJ. NO.:** 19.137/001

SAMPLE ID	SAMPLE LOCATION	MATERIAL DESCRIPTION
CH-01AB	Basement - Kitchen	Ceiling tile – 2' x 4'
CH-02AB	Basement - Kitchen	Sheetrock - wall
CH-03AB	Basement - Kitchen	Sheetrock joint compound - wall
CH-04AB	Basement - Kitchen	12" tan ceramic floor tile/adhesive
CH-05	Basement – Boiler Room	Flue cement
CH-06AB	Basement – Boiler Room	Sheetrock - ceiling
CH-07AB	Basement - Kitchen	6" tan ceramic cove base
CH-08ABC	Basement – Foyer/Corridor	12" tan vinyl floor tile with black mastic
CH-09ABC	Basement – Foyer/Corridor	Brown cove base/yellow adhesive
CH-10AB	Basement – Storage/Radio Room	Window glazing compound
CH-11AB	Basement – Storage/Radio Room	4" blue ceramic tile
CH-12ABC	Basement – Storage/Radio Room	Wall plaster (skim & base coats)
CH-13ABC	Basement – Storage/Radio Room	Ceiling plaster (skim & base coats)
CH-14AB	Basement – Storage/Radio Room	1" tan/blue ceramic floor tile
CH-15AB	Basement – Men's Room	2'x2' ceiling tile
CH-16AB	Basement – Meeting Room	4" ceramic cove base/adhesive
CH-17AB	Men's Bathroom	Gray grout with #16
CH-18AB	Basement – Meeting Room	12" tan ceramic floor tile/yellow mortar
CH-19AB	Basement – Meeting Room	Gray grout with #18
CH-20	Basement – Meeting Room	Chimney cement coating (storage area)
CH-21AB	Basement – Meeting Room	Plaster ceiling

241907155

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 85 WILLOW STREET
 NEW HAVEN, CONNECTICUT 06511
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 FAX 203.865.1286

ASBESTOS BULK SAMPLING LOG

BUILDING: Veterans Memorial Clubhouse**DATE:** 11-26-2019**LOCATION:** 100 Sunset Ridge Drive, East Hartford, CT**CLIENT NAME:** Antinozzi & Associates**PROJ. NO.:** 19.137/001

SAMPLE ID	SAMPLE LOCATION	MATERIAL DESCRIPTION
CH-22	Basement – Meeting Room	Black sink condensate barrier
CH-23AB	1 st Floor - Kitchen	Plaster ceiling
CH-24AB	1 st Floor - Kitchen	Plaster wall
CH-25AB	1 st Floor - Kitchen	Skim coat on #24
CH-26ABC	1 st Floor - Kitchen	12" pink ceramic floor tile/white mortar
CH-27ABC	1 st Floor - Kitchen	Gray grout with #26
CH-28	1 st Floor - Kitchen	White sink condensate barrier
CH-29ABC	1 st Floor – Bar Area	8" gray ceramic floor tile/yellow mortar
CH-30ABC	1 st Floor – Bar Area	Gray grout with #29
CH-31AB	1 st Floor – Handicap Bathroom	2'x4' ceiling tile
CH-32ABC	1 st Floor – Handicap Bathroom	Ceiling plaster above #31
CH-33ABC	1 st Floor – Handicap Bathroom	Plaster wall
CH-34ABC	1 st Floor – Hallway	12" blue/gray ceramic floor tile/gray mortar
CH-35ABC	1 st Floor – Hallway	Gray grout with #34
CH-36AB	1 st Floor – Front Lobby	Plaster wall
CH-37ABC	1 st Floor – Ballroom	Black paper under hardwood floor
CH-38ABC	1 st Floor – Ballroom	White decorative wall stucco
CH-39AB	1 st Floor – Meeting Room	2'x4' ceiling tile
CH-40AB	1 st Floor – Meeting Room	12" ceiling tile above #39
CH-41AB	1 st Floor – Meeting Room	SR/SRJC - wall
CH-42AB	1 st Floor – Meeting Room	Plaster ceiling above ceiling tile

241907155

85 WILLOW STREET
 NEW HAVEN, CONNECTICUT 06511
 TEL. 203.865.1285
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ASBESTOS BULK SAMPLING LOG

BUILDING: Veterans Memorial Clubhouse**DATE:** 11-26-2019**LOCATION:** 100 Sunset Ridge Drive, East Hartford, CT**CLIENT NAME:** Antinozzi & Associates**PROJ. NO.:** 19.137/001

SAMPLE ID	SAMPLE LOCATION	MATERIAL DESCRIPTION
CH-43ABC	1 st Floor – Meeting Room	12" tan vinyl floor tile with black mastic (2 layers)
CH-44AB	1 st Floor – Meeting Room	Black paper under #43
CH-45AB	1 st Floor – Storage Room	Sheetrock - wall
CH-46AB	1 st Floor – Rear Foyer (kitchen)	12" blue vinyl floor tile with tan mastic
CH-47AB	1 st Floor – Janitor Closet	1" ceramic floor tile
CH-48AB	1 st Floor – Janitor Closet	Cement mortar under #47
CH-49ABC	2 nd Floor - Roof	Brown asphalt roof shingle
CH-50	2 nd Floor - Kitchen	Black sink condensate barrier
CH-51ABC	2 nd Floor - Kitchen	Sheetrock – ceiling with textured paint
CH-52ABC	2 nd Floor - Kitchen	Sheetrock - wall
CH-53ABC	2 nd Floor - Kitchen	Sheetrock joint compound - wall
CH-54ABC	2 nd Floor - Kitchen	Pink/tan sheet flooring
CH-55AB	2 nd Floor - Kitchen	Brown cove base/adhesive
CH-56ABC	2 nd Floor – Bedroom over Lobby	Plaster ceiling
CH-57ABC	2 nd Floor – Bedroom over Lobby	Plaster wall
CH-58AB	2 nd Floor – Bedroom #2	Sheetrock - wall
CH-59AB	2 nd Floor – Bedroom #2	Sheetrock joint compound - wall
CH-60AB	2 nd Floor – Bathroom	6" blue ceramic floor tile/mortar
CH-61AB	2 nd Floor – Bathroom	Gray grout with #60
CH-62ABC	Exterior - Roof	Black paper under brown asphalt shingle
CH-63AB	Exterior	Gray rubbery door caulk

PAGE 3 OF 4
 PAYNE ENVIRONMENTAL, LLC
 85 WILLOW STREET

Gonzalez, Ivanilly

From: Neil Payne <NPayne@paynecorp.com>
Sent: Friday, December 06, 2019 8:56 AM
To: Gonzalez, Ivanilly
Subject: RE: EMSL report, COC for order(s) 241907155 (241907155 - 19.137/001)

[EXTERNAL E-MAIL]

Thanks Ivy.

Neil G. Payne, Payne Environmental LLC
President
T. 203.865.1285 x10 | C. 203.627.8303

From: Gonzalez, Ivanilly <igonzalez@EMSL.com>
Sent: Friday, December 6, 2019 8:55 AM
To: Neil Payne <NPayne@paynecorp.com>
Subject: RE: EMSL report, COC for order(s) 241907155 (241907155 - 19.137/001)

Yes, we can have results to you by EOD.



Ivanilly Gonzalez | Administrative Assistant
EMSL Analytical, Inc. | 29 North Plains Highway, Unit #4 | Wallingford, CT 06492
Phone: 203-284-5948 | Fax: 203-284-5978 | Toll Free: 800-220-3675
Lab Hours: Monday - Friday 8AM - 5:30PM, Saturday-Sunday On-Call

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From: Neil Payne [<mailto:NPayne@paynecorp.com>]
Sent: Friday, December 06, 2019 8:47 AM
To: Gonzalez, Ivanilly <igonzalez@EMSL.com>
Subject: RE: EMSL report, COC for order(s) 241907155 (241907155 - 19.137/001)

[EXTERNAL E-MAIL]

Is end of day today possible?

Neil G. Payne, Payne Environmental LLC
President
T. 203.865.1285 x10 | C. 203.627.8303

From: Gonzalez, Ivanilly <igonzalez@EMSL.com>
Sent: Friday, December 6, 2019 8:33 AM
To: Neil Payne <NPayne@paynecorp.com>; Tetrick, Leslie <ltetrick@EMSL.com>; EMSL Lab - Wallingford <wallingfordlab@EMSL.com>
Subject: RE: EMSL report, COC for order(s) 241907155 (241907155 - 19.137/001)

Good morning Neil,

What turnaround time would you like for the point count request?

Thank you
Ivy



Ivanilly Gonzalez | *Administrative Assistant*
EMSL Analytical, Inc. | 29 North Plains Highway, Unit #4 | Wallingford, CT 06492
Phone: 203-284-5948 | Fax: 203-284-5978 | Toll Free: 800-220-3675
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From: Neil Payne [<mailto:NPayne@paynecorp.com>]
Sent: Thursday, December 05, 2019 5:18 PM
To: Tetrick, Leslie <ltetrick@EMSL.com>; EMSL Lab - Wallingford <wallingfordlab@EMSL.com>
Cc: Gonzalez, Ivanilly <igonzalez@EMSL.com>
Subject: RE: EMSL report, COC for order(s) 241907155 (241907155 - 19.137/001)

[EXTERNAL E-MAIL]

Hi Leslie,

Please perform point-counting on the following samples:

- CH-63A, CH-63B
- SC-08A, SC-08B

Thanks,
Neil

Neil G. Payne, *Payne Environmental LLC*
President
T. 203.865.1285 x10 | C. 203.627.8303

From: EMSL (Wallingford) <wallingfordlab@emsl.com>
Sent: Thursday, December 5, 2019 5:02 PM
To: Neil Payne <NPayne@paynecorp.com>
Subject: EMSL report, COC for order(s) 241907155 (241907155 - 19.137/001)

Report, COC for order(s):
241907155 - 19.137/001

Please tell us how we are doing.

[Click here to fill out our Customer Survey](#)



EMSL Analytical, Inc. | 29 North Plains Highway, Unit #4 | Wallingford, CT 06492
Phone: 203-284-5948 | Fax: 203-284-5978 | Toll Free: 800-220-3675
Lab Hours: Monday - Friday 8AM - 5:30PM, Saturday-Sunday On-Call

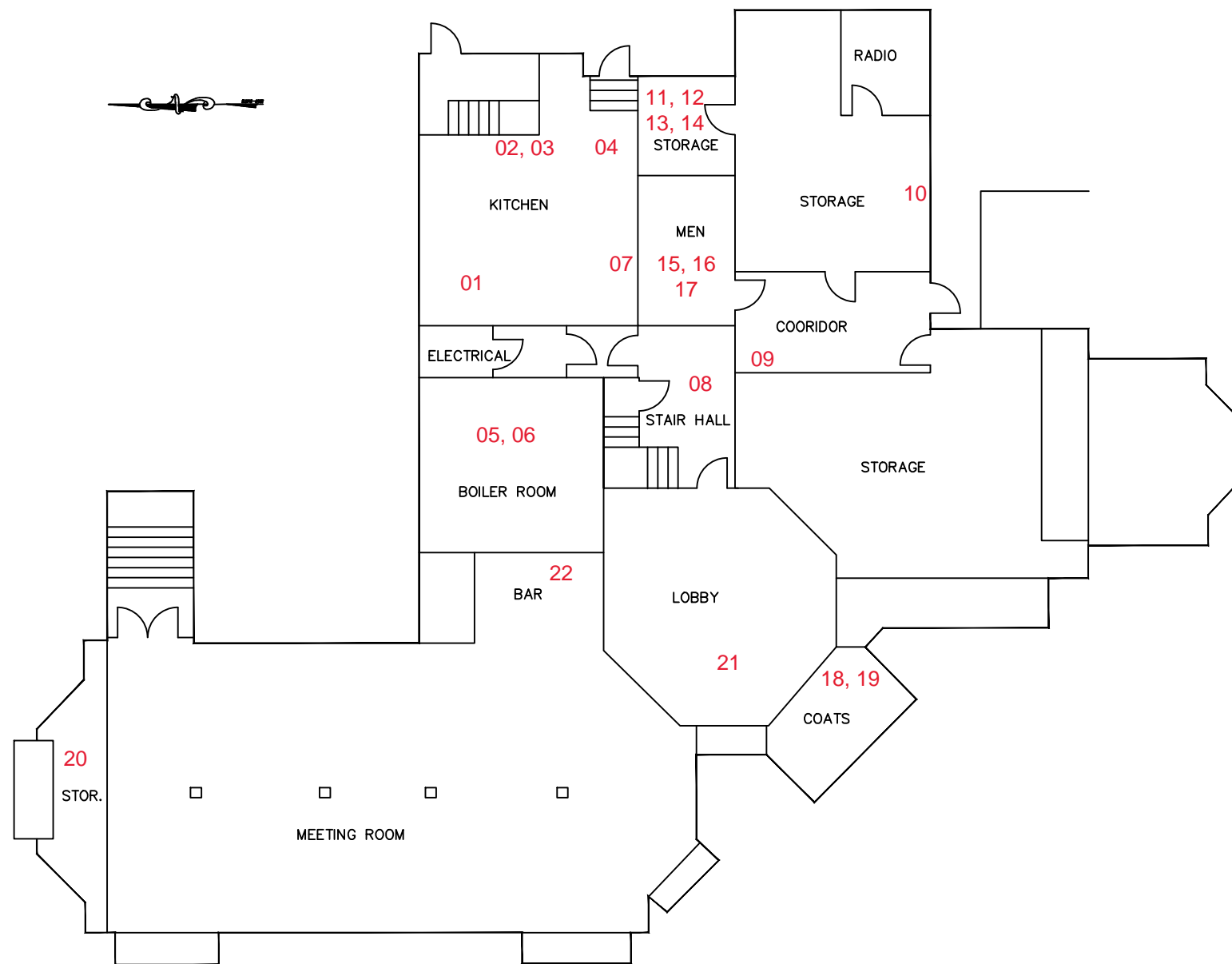
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ATTACHMENT B

SAMPLE LOCATION PLAN



01 - Sample Location

PROJ. MANAGER:			
CHIEF DESIGNER:			
REVIEWED BY:	DATE		
NGP	11/21/19		
1.			
No.	DATE	DESCRIPTION	BY
		REVISIONS	WJK

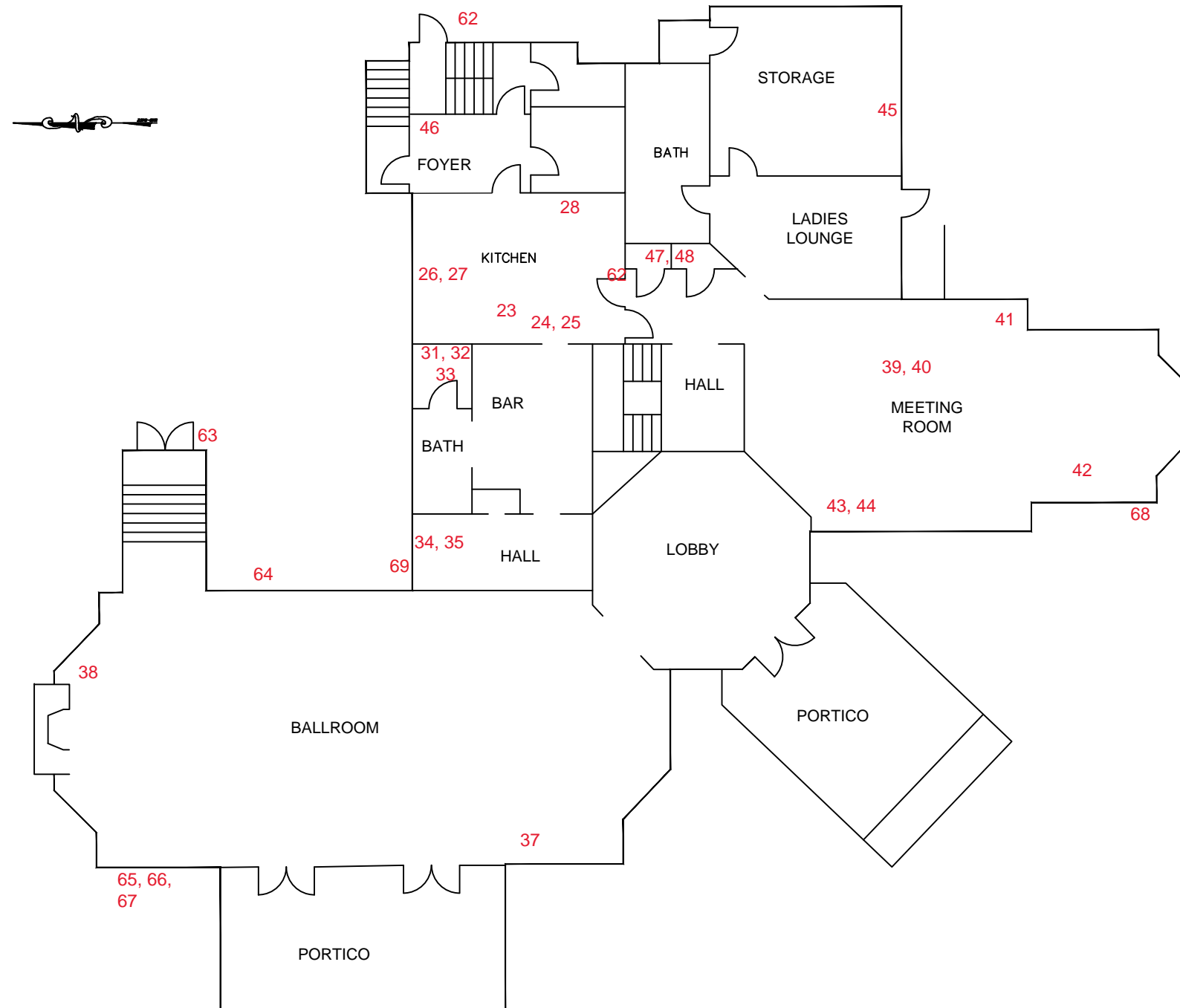
SAMPLING PLAN - BASEMENT

SCALE:	N.T.S.
[Scale Bar]	

PAYNE ENVIRONMENTAL LLC
85 WILLOW STREET
NEW HAVEN, CONNECTICUT

VETERANS MEMORIAL CLUBHOUSE
100 SUNSET RIDGE DRIVE
EAST HARTFORD, CONNECTICUT

19.137/001
DATE: 11/21/2019
FIGURE 1



23 - Sample Location

PROJ. MANAGER:			
CHIEF DESIGNER:			
REVIEWED BY:	DATE		
NGP	11/21/19		
1.			
No.	DATE	DESCRIPTION	BY
		REVISIONS	WJK

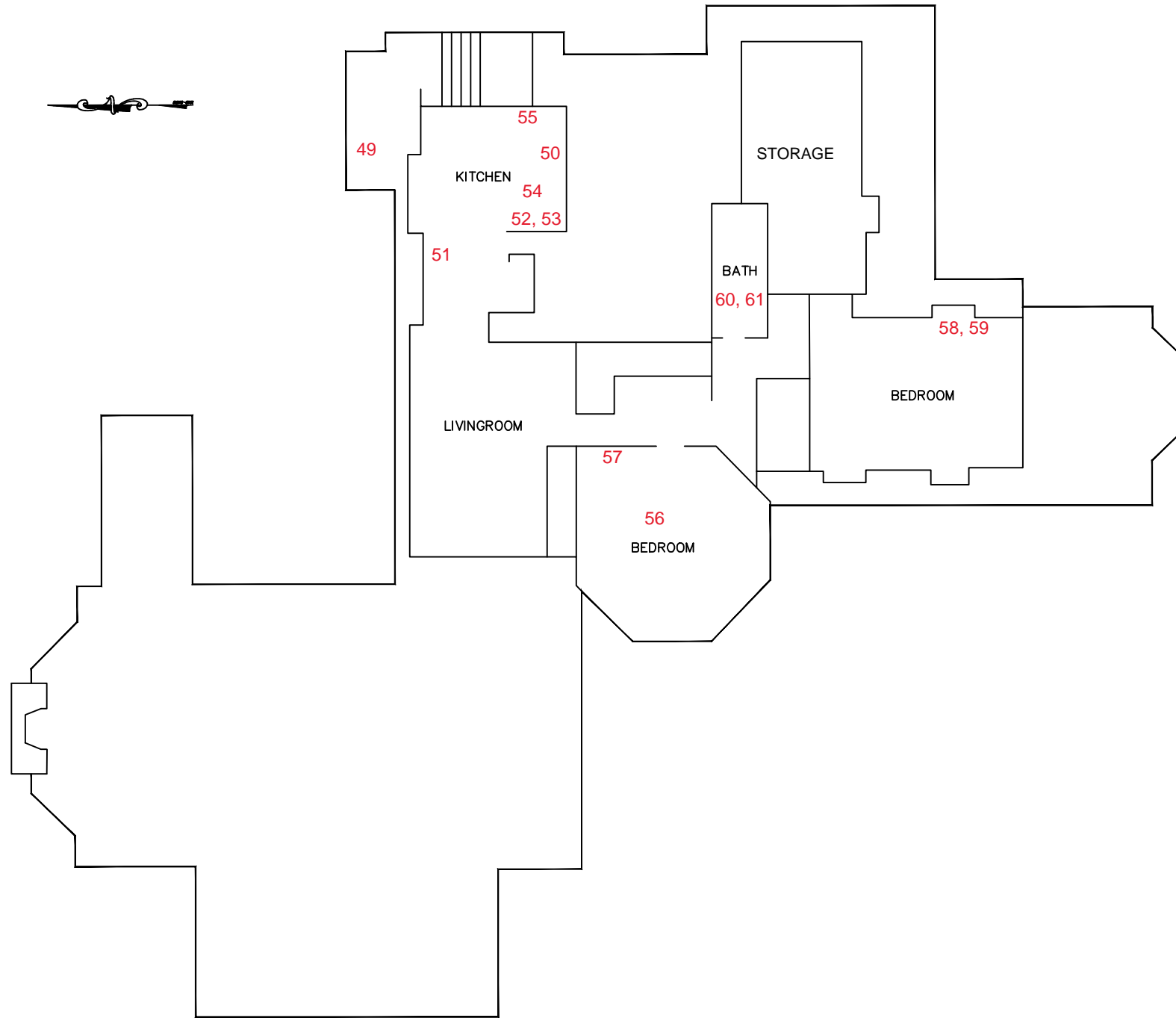
SAMPLING PLAN - FIRST FLOOR

SCALE:	N.T.S.

PAYNE ENVIRONMENTAL LLC
85 WILLOW STREET
NEW HAVEN, CONNECTICUT

VETERANS MEMORIAL CLUBHOUSE
100 SUNSET RIDGE DRIVE
EAST HARTFORD, CONNECTICUT


19.137/001
DATE: 11/21/2019
FIGURE 2



50 - Sample Location

PROJ. MANAGER:			
CHIEF DESIGNER:			
REVIEWED BY:	DATE		
NGP	11/21/19		
1.			
No.	DATE	DESCRIPTION	BY
		REVISIONS	WJK

SAMPLING PLAN - SECOND FLOOR

SCALE:	N.T.S.
	

PAYNE ENVIRONMENTAL LLC
85 WILLOW STREET
NEW HAVEN, CONNECTICUT

VETERANS MEMORIAL CLUBHOUSE
100 SUNSET RIDGE DRIVE
EAST HARTFORD, CONNECTICUT

19.137/001
DATE: 11/21/2019
FIGURE 3

ATTACHMENT C

PAYNE CERTIFICATIONS



QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS & SUPPORT STAFF

Employee	Title	Education	Years Experience	Licenses
Neil Payne	President	BS, MPhil., PhD	29	CHMM, LEP, Asb. Inspector (# 361)
Rick Onofrio	Project Engineer	B. S.	20	Asb. Inspector (# 715); Lead Inspector/Risk Assessor (#2217)
Gail Simon	Project Reviewer	BA	25	-