NEW YORK STATE OF OPPORTUNITY. | Office for People With Developmental Disabilities

# OPWDD MONROE WESTFALL

# MOON STREET WING

## RENOVATION BRIDGING DOCUMENTS

NEW YORK STATE OF OPPORTUNITY. | DASNY

TRUDEAU ASSOCIATES
THE ART AND SCIENCE OF FACILITIES

JULY 31, 2023

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# 1 GENERAL PROJECT DESCRIPTION AND DESIGN GOALS

## 1.1 PROJECT BACKGROUND

Originally constructed in the early 1970s, the Westfall campus has served as a residential care facility, providing treatment and support to individuals in need. Recognizing the evolving needs of the community, the Office for People with Developmental Disabilities (OPWDD) plans to renovate the existing Moon Street wings into an Intensive Treatment Option (ITO). By undertaking this renovation, OPWDD aims to create a progressive care and treatment environment that meets the specific requirements of individuals with developmental disabilities.

The Moon Street wing comprises three ground-level areas designed for sleeping and living, as well as a dedicated program space area. The existing site and building have been thoughtfully designed to ensure easy accessibility and navigation for individuals with disabilities, with multiple access points available. Additionally, outdoor courtyards have been incorporated into the design, allowing for outdoor recreation opportunities adjacent to each unit. This holistic approach to the renovation aims to create an environment that supports the physical, emotional, and social well-being of the individuals receiving care.

## 1.2 INTRODUCTION

1.2.1 These Bridging Documents define the project scope including: the overall program, quality, and character of the project. It is the responsibility of the Contractor to ensure that the project complies with all applicable codes, industry standards and to secure all required permits and certifications and pay associated fees.

1.2.2 Defined terms applicable throughout the bridging documents:

1.2.2.1 Owner – Office for People with Developmental Disabilities (OPWDD)

1.2.2.2 Owner's Representative (OR) – DASNY.

1.2.2.3 Contractor – Includes the entire design-build team including the builder, builder's project manager and field superintendent, Designers of Record, design professionals and all consultants working under the design-build contract with DASNY.

1.2.2.4 Owner's Design Professional (ODP) – Trudeau Architects, pllc.

1.2.2.5 Designer of Record (DR) – The New York State licensed architect(s) and engineer(s) who are sealing the construction documents and legally responsible for the design to the authority having jurisdiction.

1.2.2.6 Scoping Team - Includes the Owner, the Owner's Representative, the Owner's Design Professional (ODP), the commissioning agent (CxA) and key stakeholders as designated at the discretion of the Owner.

1.2.2.7 Project Team – Includes the Scoping Team and Contractor.

1.2.2.8 Authority Having Jurisdiction (AHJ) – DASNY

1.2.2.9 The Uniform Code – The New York State Uniform Fire Prevention and Building Code formulated by the State Fire Prevention and Building Code Council pursuant to Article 18 of the New York State Executive Law.

1.2.2.10 Required – These are items that must be included in the Contractor's proposal without substitution. Everything called for in the bridging documents is considered required unless it is specifically called out as "preferred" or "not acceptable".

1.2.2.11 Preferred – These items are intended to communicate the minimum qualities and characteristics of what the Owner considers acceptable. Substitutions for preferred items are encouraged when they bring benefit to the Owner. Substitutions will be considered based on quality comparison to preferred items, benefits to project schedule, cost benefits, or benefits to the scope and performance of associated building systems. All substitutions for Preferred items, including both materials and design goals, must be submitted and approved by the Owner prior to contract or the Contractor is Required to provide Preferred items.

1.2.2.12 Not Acceptable – Items or scope that are not permissible in the Contractor's proposal.

## 1.3 DESIGN GOALS AND VISION

The following outlines the leading principles that have guided the development of the project scope.

1.3.1.1 The Owner's stated construction schedule and budget are strictly not-to-exceed in cost and completion date. The Contractor is required to submit a proposal that can be completed within these restraints. See the Request for Proposal document for budget and schedule requirements.

1.3.1.2 The configuration of the existing interior walls and plan layouts are conducive to ITO programmatic requirements. OPWDD anticipates that only a partial reconfiguration of the plan layout is necessary.

1.3.1.3 The renovation should prioritize creating a welcoming environment that fosters a sense of community where individuals can feel at ease and at home. To the extent possible, all spaces accessible to individuals, both residential and program, should be handicapped accessible.

1.3.1.4 The renovation should strive to conserve and honor the architectural embodiment of the existing construction and design.

1.3.1.5 A crucial aspect of the renovation is increasing sight lines from the central mobile observation station into the living rooms, where individuals predominantly spend their time. This enhancement will aid in streamlining staff operations while bolstering the safety and observation of individuals.

1.3.1.6 To ensure the safety of all individuals, areas without direct supervision, such as bathrooms and bedrooms, should be equipped with anti-ligature fixtures and hardware.

1.3.1.7 A minimum of 13 bedrooms are required in each Residential Wing (201A, 208B & 217C).

1.3.1.8 All exterior areas should prevent scaling of structures while providing a usable green space for individuals. All courtyard areas should contain a minimum of one sun-shading device and landscaping should incorporate non-invasive, low-lying plants that are easy to maintain and planted away from the building.

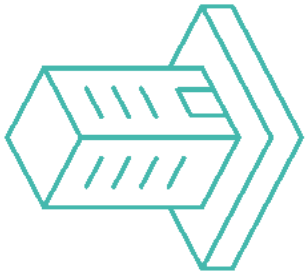
1.3.1.9 Mechanical supply air ducts currently located on the roof are required to be relocated into the plenum space.

## 1.4 ALTERNATES

The following are the Minimum Bid Alternates. These have been identified as alternates for the Owner to review pricing. As mentioned, the Contractor is *strongly* encouraged to volunteer additional cost saving measures to the Owner for possible incorporation into the project. In addition to the Alternates listed below, the Contractor is required to provide Alternates that bring the project scope to the Owner's construction budget if the scope required in these Bridging Documents cannot be met within the established budget.

### 1.4.1 Roofing

1.4.1.1 Base bid to include black EPDM with white acrylic coating. Provide alternate price for white 60-mil EPDM.



# CIVIL/STRUCTURAL

# 2 CIVIL NARRATIVE

The intent of this narrative is to generally describe the scope and approach to the site design for the proposed renovations at OPWDD Westfall Campus. The narrative is based on conceptual programming by the Owner's Design Professional and several visioning and stakeholder meetings with the design team, including representatives from various Campus departments.

The design criteria included herein represents the minimum acceptable standards, systems, and configurations. The project consists primarily of selective removals and courtyard restoration between sub-units A & B, "T"-shaped area between sub-units B & C, and between sub-units C & D. Site work associated with the project is anticipated to include perimeter security fence selective demolition and partial reconstruction, earthwork and site grading, courtyard storm drainage connection to existing systems, and exterior courtyard site lighting.

## 2.1 SITE SURVEY

No existing topographic survey documents are available from the Owner. The Contractor is required to procure their own independent survey of the project site, prepared by a NYS Licensed Professional Land Surveyor. Site survey to include utility and topographic information within the limits of the project to facilitate design.

Survey data of the immediate project area shall be provided at 1-foot contours. Topographic elements identified shall include but not be limited to edges of buildings, finish floor elevations at door thresholds, sidewalks, roadways, spot elevations, surface drainage courses, culverts, manholes with invert and size of pipes, utilities, poles, overhead lines, vegetation lines, and other existing site elements. The Contractor shall determine the location and depth of all underground utilities before starting work and shall be responsible for all damage resulting from this work.

The project involves the rehabilitation of two (2) north-western wings of Moon Street; with (2) sub-units each; A & B into thirteen (13) bedroom hostel exterior courtyard and security improvements, roof replacement, window replacements, reconfiguration of interior spaces, FFE upgrades, and improvements to the HVAC, plumbing, electrical, fire alarm and security systems.

Designed by Richard Meier & Associates of New York City and Todd & Giroux of Rochester, NY circa 1971, the Moon Street Wing is located at the north end of the OPWDD Monroe Westfall Campus off Westfall Road, Rochester, NY.

The existing wings under consideration are single-story, structural steel framed structures with a total footprint of approximately 39,250 square-feet. Overall plan dimensions for the two wings are approximately 415-feet long by 133-feet wide. Site work is primarily limited to the three (3) courtyard areas between sub-units A & B, "T"-shaped area between sub-units B & C, and between sub-units C & D approximately 9,800 square-feet.

### 2.1.1 Subsurface Soil Conditions

#### 2.1.1.1 No geotechnical information .2 for design requirements and presumptive soil design parameters.

2.1.2 Environmental Investigation

Environmental investigations that document the existence of contaminated soil within the project limits are not available from the Owner. Contaminated soils are not anticipated within the project limits.

2.1.3 Existing Grading and Drainage

Existing campus rainwater runoff sheds to the north of the project limits. Existing drainage structures within the courtyards collect rainwater runoff from courtyards. Existing storm drainage system information was not available at the time of this report. The Owner has indicated that the existing drainage patterns are working effectively. Restoration of site conditions shall match existing drainage conditions.

2.1.4 Existing Utilities

Existing utility information was not available at time of this report. The Owner has indicated that no connections to existing utilities are required as part of this project.

2.1.5 Existing Security Fencing

Existing security fencing (approximately 1800 LF), including foundations and associated infrastructure, around the perimeter of sub-units A, B, C, and D is scheduled for removal as part of this project. Existing record drawings are not available from the Owner. Where fencing spans over portions of the buildings the support steel foundations are to be Existing site conditions adjacent to removals to be reestablished to match existing conditions.

2.1.6 Existing Courtyard Enclosures

Existing courtyards enclosures, including foundations and associated infrastructure, shall be removed as part of this project.

## 2.2 SITE PROGRAMS

2.2.1 Proposed site elements include:

2.2.1.1 ADA compliant concrete pavement for courtyard areas

2.2.1.2 Landscaping away from buildings for ease of maintenance

## 2.3 SITE ELEMENTS

2.3.1 Hardscape

2.3.1.1 No pavers allowed.

2.3.1.2 No soft recycled materials allowed.

2.3.1.3 Asphalt pavement not allowed.

2.3.1.4 All components of the site subject to pedestrian traffic shall be ADA compliant, with 1.8% maximum cross slopes throughout.

2.3.1.5 Control joint layouts shall be detailed within the Contractor provided design. The Contractor shall provide plans which clearly layout and detail concrete pavement joint layout within the courtyards.

2.3.1.6 Expansion joints shall include smooth, greased rebar dowels to prevent differential movement and development of potential tripping hazards.

2.3.1.7 Concrete pavement shall be "pinned" to existing structure at building doors via rebar dowel to prevent frost-heave and impact on door operation.

2.3.1.8 Following final floating, joint placement and initial edging, sidewalks shall receive a uniform light broom finish oriented perpendicular to the direction of traffic, to be immediately followed by final edging to produce "picture-framed" panels.

2.3.2 Landscape

2.3.2.1 The Contractor shall propose a landscape design within the overall project budget.

2.3.2.2 Plantings and landscape materials shall be low-water demand, drought tolerant, non-invasive.

2.3.2.3 Potable water shall not be used for landscaping irrigation.

2.3.2.4 All landscape shall be placed away from the buildings and shall be easy to maintain.

2.3.2.5 All landscape design shall be coordinated with and approved by the Owner.

2.3.3 Site Lighting

2.3.3.1 , See Electrical Requirements for project site lighting requirements.

2.3.4 Grading

2.3.4.1 The rough and finish grading for the project site shall be limited to reestablishing existing conditions and establishing drainage within courtyards areas. Grading shall be completed in accordance with the Contractor's geotechnical reports, standard engineering practice, and applicable sections of the Uniform Code.

2.3.4.2 Maintain the first-floor elevation of the building addition above both existing grade and proposed pavement grade to allow adequate drainage away from the buildings.

## 2.4 DESIGN CRITERIA

2.4.1 Codes and Standards – Site design shall conform to the following:

2.4.1.1 The Uniform Code

2.4.1.2 New York State Standards and Specifications for Erosion and Sedimentation Control (Bluebook)

2.4.1.3 2010 or 2014 ADA Standards for Accessible Design

2.4.1.4 NYS DOT Standard Specifications

2.4.1.5 Owner's Design Standards

2.4.1.6 Contractor's Utility and Topographic Surveys

2.4.1.7 Contractor's Geotechnical Report

## 2.5 SITE GRADING AND DRAINAGE

The Contractor's site design shall maintain or improve upon pre-construction site hydraulics and rainwater runoff in the post-constructed condition. New courtyard drainage infrastructure assumed to connect into the existing storm system. Courtyard grading shall match existing interior finish floor elevations at existing doorways and existing sidewalk at north end of the buildings. The Contractor shall verify the existing storm system capacity versus new demands due to increase in impervious area.

## 2.6 SITE UTILITIES

The Owner has indicated that no connections to existing utilities are required as part of this project.

# 3 STRUCTURAL NARRATIVE

The intent of this narrative is to generally describe the scope and approach to the structural design for the proposed renovations at OPWDD Monroe Westfall Campus.

The project involves the rehabilitation of two (2) north-western wings of Moon Street; with (2) sub-units each; A & B and D & C. Sub-units A, B, and C to be converted into thirteen (13) bedroom hostel and sub-unit D being converted into a program space. Project also includes exterior courtyard and security improvements, roof replacement, window replacements, reconfiguration of interior spaces, FFE upgrades, and improvements to the HVAC, plumbing, electrical, fire alarm and security systems.

The design criteria included herein represents the minimum acceptable standards, systems, and configurations.

The narrative is based on conceptual programming by the Owner's Design Professional and several visioning and stakeholder meetings with the design team, including representatives from various Campus departments.

## 3.1 EXISTING BUILDING CONSTRUCTION

Designed by Richard Meier & Associates of New York City and Todd & Giroux of Rochester, NY circa 1971, the Moon Street Wing is located at the north end of the OPWDD Monroe Westfall Campus off Westfall Road, Rochester, NY.

The existing wings under consideration are single-story, structural steel framed structures with a total footprint of approximately 39,250 square-feet. Overall plan dimensions for the two wings are approximately 415-feet long by 133-feet wide.

The building is enclosed by brick veneer and backup walls approximately 1-foot in total thickness.

### 3.1.1 Gravity Framing System

3.1.1.1 Typical floor construction consists of a 5" concrete slab-on-grade over 4" porous fill reinforced with welded wire mesh. Each unit consists of Slab depressions

3.1.1.2 Typical roof construction consists of a 1-1/2" metal roof deck supported by steel joists ranging from 12- to 20-inches deep and perimeter steel beams ranging from 12- to 21-inches deep.

3.1.1.3 Building columns consist of structural steel wide flange and hollow structural shape (HSS) members. Columns at exterior walls are generally W-shapes, evenly spaced along the perimeter envelope; interior columns are generally HSS, matching the spacing of the perimeter columns.

### 3.1.2 Lateral Load Resisting System

3.1.2.1 A defined lateral load-resisting system is not indicated on the drawings. Rather, the design appears to rely on frame action and prescriptive (historic) floor/roof diaphragm aspect ratios for resistance to lateral wind loads.

3.1.2.2 Seismic loads are not indicated on the original drawings and were likely not considered in the original design. Seismic provisions did not become part of the Uniform Code until the adoption of the 2000 International Building Codes in the year 2003.

3.1.3 Building Foundations

3.1.3.1 Existing building foundations consist of conventional continuous reinforced concrete walls and footings around the perimeter with isolated reinforced concrete spread footings at interior building columns.

## 3.2 EXISTING SUBSURFACE CONDITIONS

3.2.1 General Geotechnical Requirements

3.2.1.1 The Contractor is cautioned that fine-grained soils will be sensitive to disturbance. Subgrades should be kept free of water and construction traffic/disturbance minimized. Subgrades should be exposed no longer than necessary, and not permitted to freeze. Additionally, groundwater could become perched over relatively impermeable layers, requiring local dewatering efforts

3.2.1.2 Geotechnical information provided with the Bridging Documents and otherwise provided by the Owner during the RFP period is for initial pricing prior to contract, only, and shall not be used for final design and permitting. The Contractor is required to procure their own independent subsurface exploration program, geotechnical testing and report to execute the design and construction of the canopy addition and site improvements.

## 3.3 STRUCTURAL DESIGN CRITERIA

3.3.1 Applicable Building Codes and Standards

3.3.1.1 The 2020 Uniform Code

3.3.1.2 ASCE/SEI 7-16 Minimum Design Loads for Buildings and Other Structures

3.3.1.3 Other applicable codes and standards, as references by the 2020 Uniform Code.

3.3.1.4 The Structural Engineer of Record shall verify and reference all applicable codes and standards during the design phase of the project.

3.3.2 Anticipated Building Risk Category

3.3.2.1 Group I-2, Condition 1 occupancies with 50 or more care recipients: III

3.3.2.2 The Structural Engineer of Record shall verify the building risk category based on building use in accordance with the 2020 Uniform Code.

3.3.3 Anticipated Allowable Soil Bearing Pressure

3.3.3.1 The Web Soil Survey provided by the United State Department of Agriculture indicates the typical soil profile for the site is generally hilton loam and odessa silt loam which is classified as a silty clay.

3.3.3.2 The presumptive allowable soil bearing pressure of 1500 PSF shall be used for initial contract pricing.

3.3.3.3 The Structural Engineer of Record shall verify the bearing capacity and other geotechnical design criteria per the Contractor's geotechnical report.

3.3.4 Anticipated Live Loads

3.3.4.1 Private rooms and the corridors serving them: 40 PSF

3.3.4.2 Public areas and the corridors serving them: 100 PSF

3.3.4.3 The Structural Engineer of Record shall determine the design live loads for the building use/occupancy in accordance with the 2020 Uniform Code.

3.3.5 Anticipated Snow Load Criteria

3.3.5.1 Ground Snow Load: Pg = 40 PSF

3.3.5.2 Terrain (Exposure) Category: B

3.3.5.3 Importance Factor: Is = 1.10

3.3.5.4 Exposure Factor: Ce = 1.0

3.3.5.5 Thermal Factor: Ct = 1.0

3.3.5.6 Slope Factor: Cs = N/A

3.3.5.7 The Structural Engineer of Record shall verify the design criteria and determine all applicable design snow loads for the building in accordance with the 2020 Uniform Code.

3.3.6 Anticipated Wind Load Criteria

3.3.6.1 Basic Wind Speed (ultimate): V = 116 mph

3.3.6.2 ASD Wind Speed: Vasd = 90 mph

3.3.6.3 Exposure Category: B

3.3.6.4 Internal Pressure Coefficient, GCpi = +/- 0.18 [Enclosed]

3.3.6.5 The Structural Engineer of Record shall verify the design criteria and determine the design wind loads for the main wind force resisting system and components and cladding in accordance with the 2020 Uniform Code.

3.3.7 Anticipated Seismic Load Criteria

3.3.7.1 Risk Category: III

3.3.7.2 Importance Factor: Ie = 1.25

3.3.7.3 Site Soil Class: D (presumed based on 2020 Uniform Code)

3.3.7.4 Seismic Design Category: B

3.3.7.5 Ground Accelerations: The following values are derived from 2018 USGS hazard data representing a 2% probability of exceedance in 50 years for the building site.

3.3.7.5.1 Short Period Mapped Spectral Response Acceleration: Ss = 0.162g

3.3.7.5.2 One Second Mapped Spectral Response Acceleration: S1 = 0.048g

3.3.7.6 The Structural Engineer of Record shall verify all design criteria and determine the design seismic loads for the primary lateral load resisting system, designated seismic systems for non-structural components, and non-building structures in accordance with the Contractor's geotechnical report and the 2020 Uniform Code for the selected structural system(s).

3.3.8 Serviceability Requirements

3.3.8.1 Structural elements and systems shall be designed to satisfy the deflection and drift limitations of the 2020 Uniform Code.

3.3.8.2 Structural elements that provide vertical or lateral support for masonry construction shall be designed for a maximum deflection limit of L/600 or 0.25 inches, whichever is less.

## 3.4 MINIMUM MATERIAL PROPERTIES AND SPECIFICATIONS

3.4.1 Concrete Materials and Admixtures:

3.4.1.1 Portland cement: ASTM C 150, Type I/II

3.4.1.2 Fly Ash and Natural Pozzolan: ASTM C 618

3.4.1.3 Normal-Weight Aggregates: ASTM C 33, Class 3S

3.4.1.4 Air-Entraining Admixture: ASTM C 260

3.4.1.5 Water-Reducing Admixture: ASTM C 494, Type A

3.4.1.6 High-Range Water-Reducing Admixture: ASTM C 494, Type F

3.4.1.7 Water: ASTM C 1602

3.4.2 Concrete Mixtures:

3.4.2.1 Foundations and interior slab-on-grade: 4,000 PSI

3.4.2.2 Exterior slabs-on-grade: 5,000 PSI; 6-inch minimum thickness

3.4.2.3 Interior housekeeping pads: 3,000 PSI; 4-inch minimum thickness

3.4.2.4 Durability: Comply with the durability requirements of ACI-318 for the anticipated in-service exposure(s) and condition(s).

3.4.2.5 Concrete mixtures shall be proportioned using fly ash, finely ground glass, and/or other pozzolans and supplementary cementitious materials to maximize the reduction of Portland cement.

3.4.3 Curing and Sealing Compounds: ASTM C 1315, Type 1, Class A; VOC compliant

3.4.4 Steel Reinforcement:

3.4.4.1 Reinforcing Bars: ASTM A615 Grade 60, deformed

3.4.4.2 Welded-Wire Reinforcement: ASTM A 1064, plain, flat sheets

3.4.5 Structural Steel:

3.4.5.1 W-shapes: ASTM A 992 (50 KSI)

3.4.5.2 Angles, Plates & Misc. Shapes: ASTM A 36

3.4.5.3 Hollow Structural Shapes: ASTM A 500, Grade B (46 KSI)

3.4.6 Concrete Masonry:

3.4.6.1 Normal-weight CMU: 2,650 PSI (f'm = 2,000 PSI)

3.4.6.2 Mortar: Type N

3.4.6.3 Grout: 2,500 PSI at 28-days, minimum

3.4.6.4 Steel lintels, and other metal components, located in exterior walls shall be hot-dip galvanized after fabrication.

3.4.7 Cold-Formed Metal Framing:

3.4.7.1 Structural Members: Formed from sheet steel complying with ASTM A 1003 Grade 33, Type H, G90 galvanized.

3.4.7.2 Minimum Stud and Track Size: 6-inches

3.4.7.3 Minimum Base Metal Thickness: 0.0428-inch

3.4.8 Fill and Backfill (for use within and immediately adjacent to the building footprint):

3.4.8.1 Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, and natural or crushed sand meeting the requirements of NYSDOT subbase material types 1, 2, or 4.

## 3.5 PROPOSED BUILDING RENOVATIONS

3.5.1 The renovation of the Moon Street wing will include:

3.5.1.1 Reconfiguration of interior spaces/partition walls to extend sight lines.

3.5.1.2 Exterior courtyard improvements including removal of two (2) dilapidated shelter structures, removal of site security fencing, and construction of three (3) sun shade structures – one (1) in each courtyard.

3.5.1.3 Roof replacement including rooftop ductwork relocated to plenum space and replacement of rooftop condensers.

3.5.1.4 Window replacements and improvements to the MEP systems.

3.5.1.5 All work shall comply with the applicable 2020 Uniform Code requirements for existing buildings.

3.5.2 Verification of Existing Conditions

3.5.2.1 The Designer of Record shall perform a comprehensive visual condition assessment of the Moon Street wing within two weeks following the completion of demolition including removal of partitions, ceilings, finishes, equipment, and other features that conceal structural elements.

3.5.2.2 The objective of the assessment will be to identify and document existing conditions and any structural deficiencies that may impact this project including, but limited to, excessive cracking, deflection, displacement, warping, deterioration and section loss, and other signs indicative of structural distress and potential failure.

3.5.2.3 The condition assessment program shall include all testing necessary to establish and/or confirm engineering material properties.

3.5.2.4 Where the visual assessment suggests potential structural deficiency, a structural analysis shall be performed for verification and to quantify any structural limitations.

3.5.2.5 Results of the assessment shall be summarized in a comprehensive report that includes the following minimum information:

3.5.2.5.1 Statement regarding the purpose and scope of the assessment, including any limitations or restrictions.

3.5.2.5.2 A general description of the building, its geometry and structural systems.

3.5.2.5.3 A summary of the assessment procedure, including areas/spaces reviewed, personnel involved, methodology, and observations.

3.5.2.5.4 A narrative of findings from the assessment and analysis.

3.5.2.5.5 An assessment of any observed deficiencies and their potential impact on the project.

3.5.2.5.6 Recommendations for repairs and/or other remedial measures required before new construction commences and after renovations have been completed.

3.5.2.5.7 Photographs, annotated floor plans, calculations, applicable sketches and notes, test reports and other supporting documentation from the assessment shall be appended to the report.

3.5.2.5.8 A draft copy of the entire report shall be submitted to the Owner within four weeks of the visual assessment.

3.5.2.5.9 The final report sealed and signed by the Design Professional of Record, which incorporates all comments from the Owner and the Owner's Design Professional, shall be submitted to the Owner within two weeks following completion of the review.

3.5.3 New Structural Members

3.5.3.1 New framing members shall be provided as required to support proposed MEP equipment, and other new construction, and their connections designed to comply with the 2020 Uniform Code.

3.5.4 Existing Structural Members – Gravity Loads

3.5.4.1 The Structural Engineer of Record shall analyze existing framing members that support additional equipment or become subject to additional loads and provide reinforcement where necessary to meet the applicable requirements of the 2020 Uniform Code.

3.5.5 Existing Structural members – Snow Drift Loads

3.5.5.1 The Structural Engineer of Record shall review the potential for snow drifts on the existing roof and take appropriate measures to reinforce existing structural elements and/or provide supplemental framing where necessary.

3.5.6 Existing Structural Members – Lateral Loads

3.5.6.1 The proposed sun shade additions shall be designed as structurally-independent buildings and detailed accordingly to avoid load transfer and increasing the seismic demand on the existing structure.

3.5.6.2 Reinforcement of the existing lateral load resisting system, including design / installation of supplemental framing to increase existing seismic capacity, will not be permitted.

3.5.6.3 As part of the Construction Documents submission, the Contractor shall provide a detailed narrative and supporting engineering analysis for review by the Owner's Design Professional that confirms the proposed building alterations are in conformance with the 2020 Uniform Code.

3.5.7 Reduction of Strength

3.5.7.1 The proposed renovations shall not reduce the structural strength or stability of the existing building or any individual member.

3.5.7.2 Utility penetrations shall be properly planned and located to minimize structural impacts. Proposed openings shall be adjusted to avoid excess damage and limit required structural reinforcement of the opening.

3.5.7.3 The Structural Engineer of Record shall perform a structural analysis on the proposed opening, review any impacts, and design appropriate supplemental framing.

## 3.6 PROPOSED SUN SHADE ADDITIONS

3.6.1 General

3.6.1.1 The proposed cantilever-style sun shade additions are anticipated to consist of conventional structural steel, concrete and/or masonry construction. Floor-to-roof

heights should generally match those of the abutting existing building except that the column heights shall be 14'-0" minimum from grade.

3.6.1.2 The addition shall be designed as a free-standing structure so as not to transfer lateral loads into the existing building and increase the seismic demand. An appropriately fixed separation distance will be required to separate the proposed addition from the existing building.

3.6.2 Gravity Framing System

3.6.2.1 Typical roof framing shall be selected and individual elements sized to maximize floor-to-ceiling height.

3.6.2.2 Vertical elements of the gravity frame system (i.e. columns) shall be arranged on a regular grid, to the extent practicable, spaced and sized to maximize open floor space and permit flexibility for programming, both as proposed and for future renovations.

3.6.3 Lateral Framing System

3.6.3.1 The lateral load-resisting system shall be selected, located, and sized in conjunction with the gravity system to maintain the desired open floor plan and space flexibility to the extent practicable. Assemblies shall be orientated in two orthogonal directions, incorporating regular-shaped geometry and uniformly distributed stiffness.

3.6.3.2 Roof diaphragms shall be appropriately designed to transfer lateral loads to the lateral load-resisting system.

3.6.3.3 Individual elements shall be appropriately sized to provide the required strength, control building movement to avoid impact during wind and seismic events, and remain within the building separation distance.

3.6.4 Building Foundations

3.6.4.1 Based on a review of the foundation system shown on the original building drawings, a conventional shallow spread footing system would be expected to provide adequate support for the proposed sun shade structure.

3.6.4.2 The sun shades building columns, four (4) minimum, shall be supported by isolated reinforced concrete piers and spread footings.

3.6.4.3 Typical footings shall bear at an approximate depth of 4'-0" below grade level within soils of adequate bearing capacity. In no case shall footings bear at a depth less than 4-feet below finished grade for frost protection.

3.6.4.4 Footings shall be designed to accommodate changes in concrete pad / exterior grade elevations. Where the addition abuts the existing building, footings shall be appropriately stepped to match existing bearing elevations and avoid surcharge loads on existing foundations.

3.6.4.5 Typical exterior concrete pad construction is anticipated to be a lightly-reinforced concrete slab-on-grade (6-inches minimum thickness) placed on compacted subbase material and prepared subgrade soil. The slab shall be thickened at the perimeter, or an alternate system provided.

3.6.4.6 The Structural Engineer of Record shall confirm all design criteria in accordance with the Contractor's geotechnical report and design a foundation system best suited for the building.

## 3.7 SPECIAL INSPECTIONS

3.7.1 Required Tests and Inspections

3.7.1.1 The Structural Engineer of Record shall determine the necessary tests and inspections based on the trades and materials utilized for the selected structural system(s), and coordinate those requirements with all other disciplines/trades.

3.7.2 Statement of Special Inspections

3.7.2.1 The Design Professional(s) of Record shall jointly prepare and submit a Statement of Special Inspections in accordance with the 2020 Uniform Code. A list of all tests and inspections required for the project shall be included in the Construction Documents.

## 3.8 ANTICIPATED STRUCTURAL CHALLENGES

3.8.1 Existing Building Configuration

3.8.1.1 Renovations shall be appropriately planned and designed so that conceptual programming may be realized while accommodating the existing building geometry and changes in finished floor elevations.

3.8.1.2 Construction across existing building expansion joints shall be coordinated between trades and adequately detailed to accommodate existing framing without the need for structural alteration(s). In addition, all necessary measures shall be taken to isolate new construction from any and all effects related to differential structural movement, settlement, deflection, and drift.

3.8.2 Concurrent Projects and Phasing

3.8.2.1 The Contractor shall coordinate the design and construction of this project with concurrent construction projects adjacent to the site.

3.8.3 Foundation Drainage

3.8.3.1 Construction of the proposed addition shall not damage or otherwise negatively impact existing foundation drainage systems. Foundation drains required at the addition shall connect to and maintain all existing piping that will not be replaced.

3.8.4 Existing Utilities at Sun Shade Additions

3.8.4.1 The subsurface utilities are unknown in both service and location. The Contractor shall determine the exact location of all underground utilities before starting work and shall be responsible for all damage resulting from the work.

3.8.4.2 Where relocation of existing utilities is not feasible, new foundations shall be designed to bridge over them. One potential option includes the use of deep foundations (piles, drilled piers, etc.) and grade beams. The Contractor shall evaluate the conditions and design the additional foundations accordingly.

3.8.5 New Utilities within the Existing Building

3.8.5.1 Penetrations through the existing walls shall be minimized and/or located to avoid critical areas and reduction of structural integrity.

3.8.5.2 Trenching in existing floor slabs shall be minimized to the extent possible. Locations to be coordinated with existing control and/or construction joint layout. Existing reinforcing at construction joints to be retained. Existing floor slabs to be neatly cut and reinstalled to match existing conditions. New floor slab required to be doweled into existing floor slabs.

# ARCHITECTURAL

# 4 ARCHITECTURAL REQUIREMENTS

It is the Contractor's responsibility to design and construct the building in conformance to the requirements of all applicable codes including, but not limited to, the following:

- The Uniform Code
- NFPA 101 Life Safety Code: Chapter 18 – New Healthcare Facilities
- NFPA 101 Life Safety Code: Chapter 43 – Building Rehabilitation
- NFPA 99 Health Care Facilities: Limited Care Facilities
- NYCRR Title 14 – Chapter XIV

## 4.1 GENERAL

4.1.1 Refer to Drawings, Room Finish Schedule and Room Data Sheets in Section 10 for additional information.

## 4.2 EXISTING CONDITIONS

4.2.1 Hazardous Materials

4.2.1.1 Asbestos containing materials present in existing building are required to be completely abated. Refer to Asbestos Survey Report in Appendix A.

4.2.1.2 PCB containing materials present in existing building are required to be completely abated. Refer to PCB Survey Report in Appendix A.

4.2.2 Removals

4.2.2.1 Reuse of existing interior finishes and fixtures is not acceptable.

4.2.2.2 Reuse of existing exterior doors and windows is not acceptable.

## 4.3 BUILDING EXTERIOR

4.3.1 All courtyard areas are required to contain a minimum of one sun-shading device. Materials that are low maintenance, have a long-life cycle and are complimentary to adjacent structures are required.

4.3.2 Landscaping is required to incorporate non-invasive, low-lying plants that are easy to maintain.

4.3.3 Plantings are required to be a minimum of 5 feet away from the exterior wall.

4.3.4 Installation of a Green Roofing System with a growing medium and plants is not acceptable.

## 4.4 BUILDING INTERIOR

4.4.1 The central mobile observation station is required to have sight lines into the living room spaces.

4.4.2 Minimizing reconfiguration of the current interior walls is preferred.

4.4.3 All bathrooms and bedrooms are required to be handicapped accessible.

4.4.4 All toilet accessories in the bathrooms and sleeping areas are preferred to be equipped throughout with anti-ligature fixtures and hardware.

4.4.5 Door levers, closet storage, and all ceiling fixtures in the sleeping areas as well as shower curtains in the bathrooms are required to be anti-ligature.

4.4.6 All windows in sleeping areas are required to be non-operable.

4.4.7 The owner prefers ceiling heights remain as high as possible. If ducting requires lower ceiling heights, soffits should be used to minimize areas with low ceilings.

4.4.8 Each wing is required to contain 13 bedrooms.

4.4.9 The renovation is required to include 1 therapy tub room preferably in sub-unit A.

4.4.10 Ceramic or porcelain tile are not permitted in any client locations.

4.4.11 Material and finish are required to be approved by Owner required at the RFP stage.

4.4.12 Color selection and approval by Owner is required during the 60% design phase.

## 4.5 ACOUSTICAL REQUIREMENTS

4.5.1 New or renovated partitions between Sleeping Areas: Minimum STC of 50 required.

4.5.2 New or renovated partitions at Bathrooms: Minimum STC of 50 required.

4.5.3 New or renovated partitions surrounding Electrical Rooms, Mechanical spaces and Kitchens: Minimum STC of 60 required.

## 4.6 DIVISION 06 – ARCHITECTURAL WOODWORK SPECIFICATIONS

4.6.1 Section 064100 – Architectural Wood Casework

- 4.6.1.1 Manufacturer required to comply with AWI's "Architectural Woodwork Quality Standards"
- 4.6.1.2 Cabinet construction – 7 ply plywood with hardwood veneer and edges preferred.
- 4.6.1.3 Particleboard and MDF are not acceptable.

## 4.7 DIVISION 07 – THERMAL AND MOISTURE PROTECTION SPECIFICATIONS

4.7.1 Section 072100 – Thermal Insulation

4.7.1.1 Rock Wool insulation by Roxul, or approved equal, is preferred.

4.7.2 Section 075000 – Membrane Roofing

4.7.2.1 Black Ethylene-Propylene-Diene-Monomer (EPDM) Roofing system with white acrylic coating preferred.

- Ballasted Systems are not acceptable.
- 60 mils, fully adhered, reinforced membrane required.
- Minimum 20-year warranty required. "Early Bird Warranty" not permitted to commence until Architect of Record and the Owner accepts the roof installation.
- Walk off pads at roof entry points and around equipment are required. Rubber roof pads are preferred over concrete pavers.
- Plastic or resin roof drain bowls and covers are not acceptable.

4.7.2.2 ALTERNATE: White Ethylene-Propylene-Diene-Monomer (EPDM) Roofing system.

- Thermoplastic polyolefin (TPO) roofing system is not acceptable.
- Section 076000 – Flashing and Sheet Metal
- All copings, flashing corners and ends are required to be factory mitered and continuously welded.
- Joints with caulk and pop rivets are not acceptable.
- Section 079200 – Joint Sealants
- All sealants required to be tamper resistant. Provide Sikaflex 11FC, Dowsil 995 or approved equal.

## 4.8 DIVISION 08 – OPENINGS

4.8.1 Section 081100 – Metal Doors and Frames

4.8.1.1 Existing metal door frames in good condition may be reused but are required to be refinished.

4.8.1.2 Minimum 18-gauge seamless full flush construction hollow metal doors required at all Mechanical, Electrical and Custodial spaces.

4.8.1.3 Minimum 16-gauge knock down type hollow metal door frames required at interior locations of 3'-0" or smaller and 16-gauge welded type required at interior locations of larger than 3'-0"

4.8.2 Section 081400 – Wood Doors

4.8.2.1 Existing wood doors in good condition may be reused however, they are required to be stripped, sanded and refinished.

4.8.2.2 Wood doors must not contain any added urea formaldehyde resins.

4.8.2.3 Two coats of factory applied clear finish required on all sides.

4.8.3 Section 081423 – Impact Resistant Interior Doors

4.8.3.1 Acrovyn Commercial Flush Doors or approved equal preferred at all bedrooms, bathrooms, toilet rooms and offices.

4.8.3.2 Woodgrain finish preferred. Final finish selection to be approved by owner.

4.8.4 Section 084200 – Entrances/084300 – Storefronts

4.8.4.1 All exterior storefront systems are required to be replaced and existing mullion configurations are required to be matched.

4.8.4.2 All exterior door frames and storefront systems required to be aluminum with secure/impact resistant and insulated glazing.

4.8.4.3 All exterior doors are required to have a thermally broken threshold.

4.8.5 Section 085000 – Windows

4.8.5.1 Aluminum windows are required.

4.8.5.2 Operable windows in the sleeping areas are not permitted.

4.8.5.3 Operable, in-swing awning windows with 5” max limiter required in public/ observable areas.

4.8.5.4 Inoperable steel security screens required at all operable window locations.

4.8.5.5 5-year window warranty required.

4.8.5.6 20-year finish warranty required.

4.8.5.7 Windows should comply with AAMA/WDMA/CSA 101/I.S.2/A440-05/08 for minimum standards of performance, materials, components, accessories and fabrication.

4.8.5.8 Window installation shims and panning are required to be thermally broken when in a component of an exterior assembly.

4.8.5.9 The use of plastic or vinyl components as opening handles, limiters, locks or screen attachment is not acceptable.

4.8.5.10 Laminated safety glass or polycarbonate required in all glazing systems.

4.8.5.11 Un-tempered plate glass is not acceptable at any location in the building.

4.8.6 Section 086200 – Unit Skylights

4.8.6.1 Acrylic Circular Skylight Domes in each wing are required to be replaced. Size and configuration required to match existing.

### 4.8.7 Section 087100 – Door Hardware

#### 4.8.7.1 General

- Contractor is required to coordinate with the facility locksmith during the design phase.
- All hardware required to be reviewed and approved by Owner.
- Attic stock of all hardware equivalent to 10% of the door count required (Unless otherwise noted below).

#### 4.8.7.2 Door Stops

- Door stops required at all doors and each door leaf. Wall stops are required wherever possible. In-wall reinforcement is required behind gypsum wallboard mounted door stops, bumps, and closing hardware.
- Accurate Lock and Hardware LR-WS Ligature Resistant Wall Stop or approved equal required.

#### 4.8.7.3 Keying

- Mortised locksets with cylinder/housing that will receive a standard small formatted 7-pin interchangeable core required.
- If cylindrical locksets are specified, the lever is required to receive the same standard small formatted 7-pin interchangeable core.
- The cylinder retainer and tailpiece required to be provided with locksets.

#### 4.8.7.4 Card Access

- Hard wired (in conduit) card readers and locksets with key override required.
- All exterior doors required to have card access for both exit and entry.
- All interior rooms, except for mechanical rooms, required to have entry card access.
- Bathrooms are required to have a privacy lock with card access override.
- 5% attic stock of card readers required.

#### 4.8.7.5 Hardware

- Magnetic locks are not acceptable.
- Card accessible openings, other than bathrooms, are required to use electric strikes only.
- Card accessible bathroom openings required to use electric locks.
- Exterior and interior, swinging, power-assist automatic openers required at main entry/exit doors.
- 268/269 Series Overhead Concealed Closer or approved equal required. Only provide closers in areas required by NFPA or Uniform Code.
- Door sweeps and weather stripping required on all exterior doors.

4.8.7.6 Handles and Locksets

- Anti ligature handles and locksets required.
- ADA compliant handles and locksets required.
- TownSteel Architectural Hardware Manufacturing, Ligature-Resistant Level Set TRXL Series (Cylindrical) preferred.
- Contractor required to turn over all unused lockset hardware to Owner in the original box.

4.8.7.7 Hinges

- Hospital tip hinges required at all bedroom and bathroom doors.

4.8.8 Section 089000 – Louvers and Vents

4.8.8.1 Fixed, extruded aluminum louvers with bird screen by Construction Specialties or approved equal required.

4.8.8.2 20-year finish warranty required.

## 4.9 DIVISION 09 – FINISH SPECIFICATIONS

Refer to Drawings and Room Finish Schedule for additional information.

4.9.1 General

4.9.1.1 Floor substrates to be prepped as required to receive new finishes. Flooring contractor shall inspect all surfaces and inform Contractor of any defects prior to executing the work.

4.9.1.2 Assure sufficient slip resistance on all new floor surfaces are in compliance with Uniform code and ANSI standards.

4.9.2 Section 092200 – Gypsum Board

4.9.2.1 5/8” Type X polycarbonate laminated gypsum wallboard required at all partitions unless otherwise noted.

4.9.2.2 5/8” High Impact gypsum wallboard required at all ceilings unless otherwise noted.

4.9.2.3 5/8” High Impact Moisture and Mold resistant gypsum board at walls and ceilings of bathrooms and janitor closets.

4.9.2.4 Section 096500 – Resilient Flooring

4.9.2.5 Luxury Vinyl Tile: Armstrong, Interface, 6x48 format preferred.

4.9.2.6 4” vinyl resilient base with a minimum thickness of 0.125” preferred.

4.9.2.7 Rolled floor products are not acceptable.

4.9.2.8 5% attic stock of each material and color required.

4.9.3 Section 096723 – Resinous Flooring

4.9.3.1 Abrasion, impact, and chemical-resistant, aggregate-filled, resin-based monolithic floor surfacing designed to produce a seamless floor preferred in bathrooms and tub room. Textured to increase slip resistance.

4.9.3.2 EFL Everlast Floor or approved equal preferred.

4.9.4 Section 096800 – Carpeting

4.9.4.1 Rolled carpet not acceptable.

4.9.4.2 Carpet tile: Shaw Vertical Layers – Tinge Tile or approved equal, tile size 9" x 36", Plank staggered pattern preferred.

4.9.4.3 5% attic stock of each material and color required.

4.9.5 Section 097200 – Wall Coverings

4.9.5.1 Fiberglass reinforced wall panels required in all kitchens and janitor closets.

4.9.6 Section 099000 – Paints and Coatings

4.9.6.1 Minimum USG level 4 finish required unless otherwise noted.

4.9.6.2 USG level 5 finish required in areas subject to direct sunlight.

4.9.6.3 Latex based paint is not acceptable on hollow metal doors and frames, or any other metals.

4.9.6.4 Eggshell finish on ceilings, satin finish on walls and gloss finish on trim required.

4.9.6.5 5% attic stock (minimum 1 gallon) of each material and color required.

## 4.10 DIVISION 10 – SPECIALTIES SPECIFICATIONS

4.10.1 Section 101400 – Signage

4.10.1.1 Required Uniform Code and Accessibility signage to include braille lettering.

4.10.1.2 Building signage required to be mounted to building envelope system. Type and size to match adjacent wings.

4.10.1.3 Emergency exit plan installed with tamper proof hardware required on the room side of all sleeping area doors.

4.10.1.4 Adhesive mounted signage is not acceptable.

4.10.2 Section 102600 – Wall and Door Protection

4.10.2.1 Floor to ceiling flush mount corner guards required at all exterior corners. Provide Acrovyn SFS-20 or approved equal.

4.10.3 Section 102800 – Toilet, Bath, and Laundry Accessories

4.10.3.1 In wall blocking at all wall mount accessories required.

4.10.3.2 Breakaway shower curtains with recessed ceiling track required.

4.10.3.3 Swanstone AS-1075 Recessed Accessory Shelf or approved equal preferred at all shower locations.

4.10.3.4 Whitehall manufacturing Best-Care WH1845B Ligature-Resistant Spindle Button Recessed Toilet Paper Holder or approved equal preferred at all bathroom locations.

4.10.3.5 Behavioral Safety Products Ligature-Resistant Wood Framed Stainless Steel Mirror or approved equal preferred at all bathroom locations.

4.10.3.6 Behavioral Safety Products TH770 Towel Hook or approved equal preferred at all bathroom locations.

4.10.4 Section 104413 – Fire Extinguisher Cabinets

4.10.4.1 Quantity as required by NFPA and the Uniform Code

4.10.4.2 Recessed aluminum fire extinguisher cabinet with locking hardware required.

4.10.5 Section 105600 – Storage Assemblies

4.10.5.1 Shelving for clients to temporarily store toiletries while utilizing the facilities are required at all lavatories and showers in bathrooms spaces.

## 4.11 DIVISION 11 – EQUIPMENT

4.11.1 Section 114000 – Food Service Equipment

4.11.1.1 All equipment to be provided by Contractor.

4.11.1.2 High speed commercial dishwasher required in all kitchens.

4.11.1.3 Two commercial ranges required in all kitchens.

4.11.1.4 Two refrigerators required in all kitchens.

4.11.1.5 One freezer required in all kitchens.

4.11.1.6 Hoods compliant with NFPA 101 Section 18.3.2.5 required in all kitchens.

4.11.1.7 All appliances required to be energy star rated.

4.11.2 Section 115200 – Audio Visual Equipment

4.11.2.1 Contractor to provide wall mounted televisions with a secure polycarbonate cover in all living rooms and program rooms.

4.11.3 Section 118100 – Facility Fall Protection

4.11.3.1 Roof fall protection required at all rooftop equipment, roof drains and skylights.

## 4.12 DIVISION 12 – FURNISHINGS SPECIFICATIONS

4.12.1 Section 122000 – Window Treatments

4.12.1.1 Webblok Roller Shade or approved equal required at all glazing.

4.12.2 Section 123000 – Casework

4.12.2.1 Owner requires solid surface countertops with 4” high backsplash and side splashes.

4.12.2.2 Interior stools at all windows and wall openings required to be solid surface material.

4.12.2.3 Solid surface panels preferred at walls, ceilings and floors of shower locations.

# PLUMBING/FIRE SUPPRESSION

# 5 PLUMBING NARRATIVE (DIVISION 22)

This Plumbing narrative is to serve as a Bridging Document which will outline the scope of the project for the Design-Build team. PDC conducted an on-site evaluation of the existing plumbing systems in the Moon Street Wings A & B of the OPWDD Westfall campus on Wednesday June 7th. The purpose of the visit was to determine the conditions of the existing Plumbing systems and determine what renovations will be necessary to accommodate the proposed plan and programming changes. The Monroe Feasibility Study (dated June 21, 2022) developed by Capital Services was used as a reference to this document.

This project's Uniform Code Classification is an institutional facility defined as an I-2 classification within a B occupancy. Plumbing systems shall be designed in accordance with the latest versions of New York State Plumbing (NYPC), Building Code (NYBC), Energy Conservation Construction Code (NYECCC), American Water Works Association (AWWA) Standards, International Association of Plumbing & Mechanical Officials (IAPMO) ASHRAE 90.1-2019, American Society of Plumbing Engineers (ASPE) Standards, NYCRR Title 14, National Sanitation Foundation (NSF) standards 61 and 372 for lead-free materials, and the Americans with Disability Act (ADA). All material shall be UL listed, and where applicable Energy Star labeled. All materials and labor described in Plumbing Narrative shall be provided by the contractor.

Plumbing codes and other building codes referenced in this Plumbing Narrative and are not exclusive of all the codes which apply. Specification sections referenced herein are not exclusive of all the specification sections which apply. All design, required inspections, and permits are the responsibility of the Design-Build Contractor.

All Plumbing systems designed and installed shall be subject to the requirements of the Office for People with Developmental Disabilities (OPWDD), under Title 14 of the NY Codes, Rules and Regulations of the State of New York (14 CRR-NY).

The existing plumbing infrastructure is mainly in good condition; however, currently only one of two steam-fired hot water generation tanks is operational, leaving the wings without redundant hot water generation capability. The building is slab on grade, so to facilitate bathroom renovations slab-cutting & trenching is anticipated.

## 5.1 DOMESTIC WATER PIPING & SPECIALTIES/SPEC SECTIONS 221116 & 22119

### 5.1.1 Existing System

5.1.1.1 Existing facility hot-water and cold-water mains / piping distribution are in good condition. These existing piping networks may be re-used as appropriate to accommodate proposed renovated floor plan of the Moon Wings.

### 5.1.2 Proposed System

5.1.2.1 Demolish existing domestic hot water, cold-water, and re-circulation piping where existing fixtures are demolished.

5.1.2.2 Extend domestic hot-water and cold-water piping to all new fixtures within the renovated Moon Wing Units.

5.1.2.3 The Contractor is responsible for calculating hot- and cold-water demands, based on accepted fixture load calculations as published by the American Society of Plumbing Engineers (ASPE), or equivalent standards organization.

5.1.2.4 Extend re-circulation hot water piping to serve each fixture in compliance with NYEC & NYPC requirements restricting maximum hot water volume prior to re-circulation connection at final hot-water piping to fixtures.

5.1.2.5 Re-circulation hot water mains serving the Moon Wing units shall be upsized to accommodate calculated flow rates needed to serve additional fixture re-circulation connections as required by the NYEC & NYPC.

5.1.2.6 Provide balancing valves at all main branches off the re-circulation piping mains to ensure adequate re-circulation flow is achieved at final connections to all hot-water consuming fixtures.

5.1.2.7 Quarter-turn shut-off valves shall be provided at all hot- and cold-water connections to each fixture. Shut-off valves shall be bronze, chrome-plated construction.

5.1.2.8 Strainers shall be provided upstream of all re-circulation pumps.

5.1.2.9 Check valves of bronze construction with stainless steel trim shall be provided downstream of all pumps.

5.1.2.10 Provide bronze, full-port, ball valves at all branch mains, re-circulation pumps, hot-water generators or tanks, and at all domestic water mains where they enter/leave a mechanical room.

5.1.2.11 Kitchen plumbing fixtures selection and layout shall be designed by a kitchen sub-consultant to the Contractor.

5.1.2.11.1 Domestic hot-water to the kitchen will be supplied from the domestic hot water main in the main mechanical room, upstream of the facility thermostatic mixing valve, to provide 140°F temperature hot-water supply to the kitchen.

5.1.2.11.2 The Contractor shall provide a steam-fired booster heater to supply 180°F temperature water to the commercial dishwasher. The heat exchanger shall utilize a double wall tube bundle to mitigate potential for contamination of the domestic water system in the event of a tube failure.

5.1.2.11.3 Domestic hot and cold-water pipe sizing shall be conducted by the contractor, based on recommendations of the kitchen consultant for maximum flow with all fixtures in operation simultaneously.

5.1.2.12 Provide Reduced Pressure Zone (RPZ) backflow preventers on all make-up water connections to HVAC or process systems and at all drinking fountains.

## 5.2 SANITARY WASTE AND VENT PIPING AND SPECIALTIES/SPEC SECTIONS 221316 & 221319

5.2.1 Existing System

5.2.1.1 Sanitary drainage is buried below slab, but is believed to be in fair condition.

5.2.1.2 The Contractor shall provide video camera inspections of all existing sanitary mains to ensure integrity of piping and identify any concerns prior to re-utilizing the existing infrastructure. Snake / clean all sanitary piping.

5.2.1.3 The Contractor shall excavate and repair any areas of piping identified as not being in good condition or where other failures are identified.

5.2.2 Proposed System

5.2.2.1 Extend under-slab sanitary piping to final fixture locations in areas identified on the bridging document floor plans.

5.2.2.2 Slab-cutting and excavation is required to accommodate final fixture layout as developed by the Contractor.

5.2.2.3 Kitchen drains shall first be piped to a new grease trap designed to collect FOG from the kitchen, prior to being discharged to the facility sanitary main.

5.2.2.3.1 The contractor shall evaluate the use of outdoor grease separators to ease grease removal service.

5.2.2.4 Kitchen equipment shall be appropriately sized by Contractor to satisfy the established occupancy load.

## 5.3 FACILITY STORM DRAINAGE PIPING & SPECIALTIES/SPEC SECTIONS 221423 & 221423

5.3.1 Existing System

5.3.1.1 The existing roof is in poor conditions and roof drains are not in good condition.

5.3.1.2 Secondary roof drainage is not currently installed.

5.3.2 Proposed System

5.3.2.1 The existing roof is anticipated being replaced, with an increase in insulation to comply with the NYECCC – Refer to Architectural Divisions in the Bridging Documents.

5.3.2.2 The contractor shall calculate minimum number of roof drains and spacing required to accommodate design rain rates for Rochester, NY.

5.3.2.3 New combination roof drains consisting of two drains, one with a 2-inch weir shall be provided.

5.3.2.4 New roof leaders from the main drain in each combination roof drain and connected into the existing storm drainage riser shall be provided as part of the

roof replacement. Where additional roof drains may be required based on contractor's design roof drainage design calculations new risers shall be provided and incorporated into chases.

## 5.4 HEALTHCARE PLUMBING FIXTURES/SPEC SECTION 224300

5.4.1 Existing System

5.4.1.1 All existing plumbing fixtures within the Moon Unit Wings shall be demolished as part of this renovation.

5.4.1.2 The contractor shall conduct a NYSBC fixture count calculation to ensure adequate water-closets, lavatories, and showers.

5.4.2 Proposed

5.4.2.1 All fixtures shall be selected in accordance with the requirements of the Office for People with Developmental Disabilities (OPWDD), under Title 14 of the NY Codes, Rules and Regulations of the State of New York (14 CRR-NY),

5.4.2.2 Provisions for ligature-resistant design shall be included.

5.4.2.3 Provide new lavatories, water-closets, and showers with ligature resistant design and per the design standards of OPWDD.

5.4.2.4 All water-closets shall be wall-mounted utilizing concealed wall carrier systems installed in the plumbing chase behind each closet and automatic

5.4.2.5 All lavatories shall be wall-mounted with concealed wall-carriers, and equipped with scald protection valves.

5.4.2.6 All lavatories shall utilize integral drain with rear discharge into the plumbing chase, to ensure no exposed piping that could be utilized as a ligature point. Alternatively, ADA compliant under mounted sinks in cabinets with locked plumbing enclosures may be provided.

5.4.2.7 All showers shall be equipped shower mixing valves set to provide no more than 110°F to each shower.

5.4.2.8 Water closets shall be ligature resistant in design.

5.4.2.9 All fixtures shall be EPA water-sense compliant.

5.4.2.10 A number of ADA fixtures shall also be provided.

## 5.5 PLUMBING INSULATION/SPEC SECTIONS 220716 & 220719

5.5.1 Proposed

5.5.1.1 Insulation shall be fiberglass, pre-formed pipe insulation and pre-formed fitting insulation, with all service jacket (ASJ).

5.5.1.2 Insulation at fittings shall be reinforced with a PVC jacket.

5.5.1.2.1 All domestic hot water and re-circulation hot water piping shall be insulated, with thickness as noted in the NYECCC.

5.5.1.3 All domestic cold-water piping shall be fiberglass, pre-formed pipe insulation and pre-formed fitting insulation, with all service jacket (ASJ).

5.5.1.3.1 All domestic cold-water piping shall be insulated, with 1/2-inch thick insulation.

## 5.6 EMERGENCY PLUMBING FIXTURES/SPEC SECTION 224500

5.6.1 Proposed System

5.6.1.1 Provide an ANSI Z358.1 compliant eye wash station in new mechanical rooms with chillers or hydronic piping water treatment systems.

5.6.1.2 Emergency fixtures shall be equipped with thermostatic tempering valve to supply tempered water to the fixture.

5.6.1.3 Pipe discharge to nearest floor drain.

## 5.7 DRINKING FOUNTAINS/SPEC SECTION 224713

5.7.1 Proposed System

5.7.1.1 Provide drinking water fountains in the office / employee (non-patient) areas, in quantities and locations consistent with minimum fixture count requirements in the uniform building code.

5.7.1.1.1 All drinking fountains should be recessed, not wall-mounted.

5.7.1.2 New drinking fountains shall be bi-level design to comply with the Americans with Disability Act (ADA) requirements.

5.7.1.3 All drinking fountains shall also be equipped with integral water bottle filler outlet.

## 5.8 TESTING ADJUSTING AND BALANCING & COMMISSIONING OF PLUMBING SYSTEMS/SPEC SECTIONS 220593 & 220800

5.8.1 Requirements

5.8.1.1 All plumbing system shall be tested, adjusted, and balanced through a formal commissioning process:

5.8.1.1.1 The Design-Build contractor shall be responsible for procuring the services of a third-party Commissioning Provider (CxP). The Contractor's proposed CxP, including firm and staff qualifications shall be submitted to DASNY for Review and Approval.

5.8.1.2 All fixtures shall be commissioned for proper flow and hot water delivery temperature shall be verified.

5.8.1.3 All recirculation water pumps shall be commissioned.

5.8.1.4 All domestic water heating equipment shall be fully commissioned to ensure proper operation and water temperature delivery under full and part-load conditions.

# 6 FIRE SUPPRESSION NARRATIVE (DIVISION 21)

This Fire Suppression narrative is to serve as a Bridging Document which will outline the scope of the project for the Design-Build team. PDC conducted an on-site evaluation of the existing Moon Street Wings A & B of the OPWDD Westfall campus on Wednesday June 7th. The existing facility is not equipped with a fire suppression sprinkler system. The Monroe Feasibility Study (dated June 21, 2022) developed by Capital Services was also used as a reference to this document.

This project's Uniform Code Classification is an institutional facility defined as an I-2 classification within a B occupancy. A new Fire Suppression Sprinkler system shall be provided in accordance with the latest versions of the New York State Building Code (NYBC), Fire Code (NYFC), and National Fire Protection Association (NFPA 13-2019). All material shall be UL listed and FM approved, with all water service materials conforming to applicable American Water Works Association (AWWA) Standards. All materials and labor described in this Fire Suppression Narrative shall be designed and provided by the Design-Build contractor.

Mechanical codes and other building codes referenced in the Fire Suppression Narrative may not be inclusive of all the codes which apply. Specification sections referenced herein are not inclusive of all the specification sections which apply. All design, required inspections, and permits are the responsibility of the Design-Build Contractor.

All sprinklers and potentially exposed components in patient areas shall be designed and installed in accordance with the requirements of the Office of Mental Health Patient Safety Standards, Materials and System Guidelines.

All steel and iron materials shall be Buy America Act Compliant; manufactured in the United Staes of America.

## 6.1 WET-PIPE SPRINKLER SYSTEMS & VALVES FOR FIRE SUPPRESSION PIPING/SPEC SECTION 2210523

6.1.1 The Design-Build Contractor shall be responsible for procuring a hydrant flow test at the existing facility in order to inform the design of the new fire-suppression system. No existing data is available.

6.1.2 Existing Systems

6.1.2.1 Existing Fire Suppression Sprinkler systems are not currently equipped at the facility.

6.1.3 Proposed Systems

6.1.3.1 A new dedicated water service shall be provided to serve the fire suppression sprinkler system. Design-Build Contractor shall ensure an adequate water supply is available.

6.1.3.2 All fire suppression sprinkler systems shall be submitted for approval by the Authority Having Jurisdiction as well as the Town of Brighton Fire Department.

6.1.3.3 A new dedicated fire service shall be provided to serve the Moon Street wings from the existing municipal water supply or site water main.

6.1.3.3.1 A minimum 6" water main conforming to AWWA standards shall be provided to serve the fire-suppression system.

6.1.3.3.2 The water service for the fire suppression system shall be cement-lined, ductile iron pipe, and where buried, also provided with an asphaltic protective outer coating.

6.1.3.3.3 The water service shall be insulated with a minimum of 1" fiberglass or elastomeric insulation up to 5-feet past the backflow prevention device to eliminate potential for sweating.

6.1.3.4 A full-size backflow preventer consisting of a Dual Check Detector Assembly (DCDA) shall be provided to protect the municipal water supply.

6.1.3.4.1 Provisions for a full-flow test of the backflow prevention device shall be included.

6.1.3.5 The wet-pipe sprinkler system shall be a hydraulically calculated design, with calculations and documentation provided in accordance with NFPA 13.

6.1.3.6 In all patient areas, fully recessed sprinkler heads shall be utilized and shall be ligature resistant in design.

6.1.3.7 All sprinkler piping and mains downstream of the backflow preventer shall be schedule 40, Grade A53 steel pipe, either seamless or with electrofusion welded seams.

6.1.3.7.1 Fire Suppression system piping 2-inches, and smaller shall utilize threaded joints. Fittings shall be Schedule 40 steel to match piping.

6.1.3.7.2 Fire Suppression system piping 2-1/2-inches, and larger shall utilize grooved joints with EPDM gaskets and grooved joint mechanical couplings. Fittings shall be ductile iron with a rust-resistant outer coating. The Basis of Design shall be Victaulic; other acceptable manufacturers include Viking Gruvlok and Grinnell.

6.1.3.7.3 All sprinkler piping shall be painted red for easy identification – Do not paint sprinklers or sprinkler covers.

6.1.3.8 The sprinkler system shall be equipped with provisions for draining the entire system, including additional drains at any low points that may trap water.

6.1.3.9 Alarm valves shall be provided to trigger the fire alarm system in the event water is released.

6.1.3.10 An electronic or water-motor style alarm bell shall be provided directly outside the fire suppression, water-service room.

6.1.3.11 All Kitchen hoods shall be provided with a non-water based, automatic chemical fire suppression system, similar to an Ansul system. This system shall also report to the fire alarm system in case of activation.

## 6.2 FIRE DEPARTMENT CONNECTIONS/SPEC SECTION 211119

6.2.1 A 4" x 2-1/2" x 2-1/2" "Siamese" type Fire Department Connection (FDC) shall be provided.

6.2.1.1 Coordinate with the Town of Brighton Fire Department.

6.2.1.2 The FDC shall be equipped with chrome-plated, bronze caps and chains.

6.2.1.3 Provide signage as required by NFPA 13 and the NYS Uniform Code to identify the FDC.

## 6.3 COMMISSIONING OF FIRE SUPPRESSION SYSTEMS/SPEC SECTION 210800

6.3.1 Requirements:

6.3.1.1 All Fire Suppression sprinkler systems shall be tested, adjusted, and balanced through a formal commissioning process.

6.3.1.1.1 The Design-Build contractor shall be responsible for procuring the services of a third-party Commissioning Provider (CxP). The Contractor's proposed CxP, including firm and staff qualifications shall be submitted to DASNY for Review and Approval.

# MECHANICAL

# 7 MECHANICAL (HVAC) NARRATIVE (DIVISION 23)

This Mechanical (HVAC) narrative is to serve as a Bridging Document which will outline the scope of the project for the Design-Build team. PDC conducted a mechanical on-site evaluation of the existing Moon Street Wings A & B of the OPWDD Westfall campus on Wednesday June 7th. The purpose of the visit was to determine the conditions of the existing HVAC systems and determine what renovations will be necessary to accommodate the proposed plan and programming changes. The Monroe Feasibility Study (dated June 21, 2022) developed by OPWDD Capital Services was used as a reference to this document.

This project's Uniform Code Classification is an institutional facility defined as an I-2 classification within a B occupancy. Mechanical systems shall be designed in accordance with the latest versions of the New York State Mechanical (NYMC) and Energy Conservation Construction Codes (NYECCC), ASHRAE 90.1-2019, ASHRAE Standard 170-2017, NYS Executive Order No. 22, and NYCRR Title 14. All material shall be UL listed, and where applicable Energy Star labeled. All materials and labor described in this Mechanical Narrative shall be provided by the Design-Build contractor.

Mechanical codes and other building codes referenced in the Mechanical Narrative may not be inclusive of all the codes which apply. Specification sections referenced herein are not exclusive of all the specification sections which apply. All design, required inspections, and permits are the responsibility of the Design-Build Contractor.

All mechanical systems designed and installed shall be subject to the requirements of the Office for People with Developmental Disabilities (OPWDD), under Title 14 of the NY Codes, Rules and Regulations of the State of New York (14 CRR-NY).

All existing HVAC equipment and systems in the Moon Street Wings are in poor condition as they near end-of-life service. To facilitate replacement of Air-Handling Equipment and to provide a new chiller to serve the Moon Wings, the existing mechanical rooms will be expanded to accommodate the footprint required to house the mechanical equipment. Refer to the Conceptual Floor Plan provided in the Architectural portion of the Bridging Documents.

It should be noted that the existing steam boiler plant will remain in operation to supply heating energy to the Moon Street Wing units.

## 7.1 INDOOR CENTRAL STATION AIR HANDLING UNITS (AHU)/SPEC SECTION 237313

### 7.1.1 Existing System

7.1.1.1 Each Air-Handling Units (AHU) and air distribution system serving the Moon Street Wings A & B are at the end of their useful life expectancies and are in need of replacement.

7.1.1.2 The AHUs are equipped with steam heating coils served from the main boiler plant.

7.1.1.3 Direct Expansion (DX) cooling is provided at the AUHs with refrigerant piping connected to condensing units mounted on the roof.

7.1.1.4 Duct main distribution is currently roof mounted and in poor condition.

7.1.2 Proposed System

7.1.2.1 A new, Variable Air Volume (VAV), Air-Handling Unit shall be provided in each of the expanded Mechanical Rooms in Moon Street Wings A & B to ventilate and condition the Moon Street Wings.

7.1.2.2 Climatic data to be utilized shall be for the Rochester, NY locale and the 99.9% cooling and heating outdoor design conditions as published by ASHRAE in the latest version of the "Fundamentals" Handbook.

7.1.2.3 A new concrete housekeeping pad shall be provided in each wing's mechanical room to support the installation of the new units.

7.1.2.4 Due to the I-2, Institutional Occupancy, Ventilation (Outdoor Air, [OA]) and Total room air flow rates shall be calculated in terms of Air Changes per Hour (ACH) and be provided in accordance with the rates published in ASHRAE Standard 170:

7.1.2.4.1 Patient Bedrooms: 2 ACH OA / 2 ACH Total

7.1.2.4.2 Other patient areas: 2 ACH OA / 2 ACH Total

7.1.2.4.3 Staff Office areas: 2 ACH OA / 2 ACH Total

7.1.2.5 The following spaces shall be ventilated in accordance with ASHRAE Standard 62.1, whereas Standard 170 only applies to healthcare spaces.

7.1.2.5.1 Mechanical and Electrical Rooms: .12 cfm /$ft^2$ OA

7.1.2.5.2 Janitor's closets shall be provided with a minimum of 50 cfm of exhaust.

7.1.2.5.3 Bathrooms shall be exhausted at a rate of 50 cfm per water closet and 75 cfm per shower.

7.1.2.6 AHU sizing shall be finalized by the Contractor through a detailed Load Calculation utilizing software approved in the NYECCC. Both building heating and cooling loads must be calculated, considering minimum mandatory outdoor ACH rates as defined in part 1.1.2.3, and ventilation/exhaust rated define in 1.1.2.4, above.

7.1.2.7 Semi-custom, central-station air-handling units shall be provided to serve each Moon Wing. Preliminary estimates indicate sizing on the order of 15,000 – 17,000 cfm, at this conceptual phase of the project.

7.1.2.7.1 The Contractor is responsible for final calculation and sizing of all systems to accommodate building heating, cooling, and mandatory ventilation requirements.

7.1.2.8 The Central Station AHUs shall include the following features:

7.1.2.8.1 Certifications: AHRI and ETL.

7.1.2.8.2 Casing: G60 Galvanized steel with 316 stainless steel drain pans where required at cooling coils and humidifier sections.

7.1.2.8.3 Fan Sections:

7.1.2.8.3..1 Units shall include supply and return fan sections.

7.1.2.8.3..2 Provide high mechanical-efficiency, plenum fans with airfoil type blades.

7.1.2.8.3..3 All fans shall be variable speed in operation and utilizing VFD-rated, NEMA Premium-efficient motors.

7.1.2.8.3..4 Variable Frequency Drives shall be wall-mounted or directly unit mounted and shall be inter-connected to the new Building Management System (BMS).

7.1.2.8.4 Heating Section: Steam heating coil with minimum .035" wall-thickness copper tube and minimum .049" wall-thickness return bends; fully brazed.

7.1.2.8.4..1 Heat transfer fins shall be copper or die-formed aluminum brazed to the tubes with fins per inch as specified to achieve heat transfer performance as required to meet the heating loads calculated by the Contractor.

7.1.2.8.4..2 Heating coil casing shall be galvanized steel.

7.1.2.8.4..3 Provide steam supply with a wye-strainer, isolation valves, and motorized control valve to modulate heat output.

7.1.2.8.4..4 Provide redundant Float & Thermostatic (F&T) type steam trap on discharge of heating coils.

7.1.2.8.4..5 The heating coil shall be mounted ahead of the chilled water section for freeze protection.

7.1.2.8.5 Cooling Section: Chilled-water heating coil with minimum .035" wall-thickness copper tube and minimum .049" wall-thickness return bends; fully brazed.

7.1.2.8.5..1 Heat transfer fins shall be copper or die-formed aluminum brazed to the tubes with fins per inch as specified to achieve heat transfer performance as required to meet the heating loads calculated by the Contractor.

7.1.2.8.5..2 Heating coil casing shall be stainless steel.

7.1.2.8.5..3 Provide a 316 stainless steel, double-wall, welded drain pan for cooling coil section with water trap a minimum height of 1-1/2" times the unit static pressure.

7.1.2.8.5..4 Provide chilled water supply connection with a wye-strainer, isolation valves, and motorized modulating control valve to control cooling output.

7.1.2.8.6 Filtration Requirements:

7.1.2.8.6..1 MERV-8, 2-inch thick, cartridge style filters shall be provided at the outdoor air inlet and if an energy recovery device is utilized at the return section of the AHU.

7.1.2.8.6..2 Final filters ahead of unit supply discharge shall be MERV-14, extended media, bag-type filters, with ridged frames.

7.1.2.8.7 Humidification Section:

7.1.2.8.7..1 An atmospheric steam humidifier, complete with atomizing grid and 316 stainless steel drain pan in the humidifier section shall be provided.

7.1.2.8.7..2 A packaged steam-to-steam generator shall be utilized to provide atmospheric clean steam to the humidifier.

7.1.2.8.7..3 A water softener and filter shall be provided on the water supply serving the clean-steam generator.

7.1.2.8.7..4 Humidifier needs to be designed to prevent legionella growth. A disinfection system shall be provided with humidifier to protect against its growth and spread through the ducts.

7.1.2.8.7..5 A strainer, isolation valves, and steam control valve shall be included in the package to control steam flow to the humidifier to maintain a minimum 35% Relative Humidity (RH) throughout the conditioned spaces, during winter operation.

7.1.2.8.8 Economizer: An economizer to allow for 100% OA operation when outdoor air conditions are appropriate to provide natural cooling shall be included in the AHU.

7.1.2.8.8..1 The economizer dampers shall be controlled by the BMS system utilizing dry bulb and wet bulb outdoor air temperature readings to provide full control based on OA enthalpy.

7.1.2.8.9 Ultraviolet Disinfection: Provide Ultraviolet (UV) Light disinfection system at all cooling coils and in humidifier sections to prevent microbial or other bio-growth on cooling coils and within the unit:

7.1.2.8.9..1 UV lights shall utilize the UV-C spectrum.

7.1.2.8.9..2 Protective measures such as access panel / door interlocks to automatically shutoff UV Lights for maintenance and refractory viewing glass to prevent injury should be equipped.

7.1.2.8.9..3 UV Lamps shall be easily replaceable for maintenance and one complete replacement set of replacement lamps shall be provided as attic stock to the owner.

7.1.2.8.10 Unit Controls:

7.1.2.8.10..1 The unit will be equipped with a controller that interfaces with the BMS system. All operation and sensors shall be controlled and monitored by the new BMS system

7.1.2.9 In order to comply with the requirements of the NYECCC, one additional energy efficiency measure must be employed for this renovation. Due to the large volume of outdoor air required, it is proposed that an enthalpy type energy recovery

wheel be utilized in the AHU to recover both latent and sensible energy from the exhaust airstreams. These recovery wheels shall be capable of both 50% latent and sensible energy recovery.

## 7.2 AIR-COOLED CHILLERS, CONDENSERS & REFRIGERANT PIPING/SPEC SECTIONS 232300, 236313 & 236423

7.2.1 Existing Systems

7.2.1.1 There are no existing chillers, currently the AHUs utilize DX Condensers on the roof.

7.2.2 Proposed Systems

7.2.2.1 Provide a new air-cooled chiller with remote Direct Expansion (DX) condenser. The chiller will be installed in the Moon Street Wing A, Mechanical Room on a new housekeeping pad. The Condenser will be mounted on the roof and secured to resist uplift wind forces of at least 100 mph.

7.2.2.2 The Contractor shall perform load calculations to size the chiller to serve the cooling loads for both Moon Street Wings A & B. It is anticipated that the total chiller size will be on the order of 80 – 100 tons of cooling to serve both Wings.

7.2.2.3 The Contractor shall investigate use of traditional chiller design versus potential for utilize a modular chiller concept. A modular chiller concept could potentially offer the owner system redundancy and higher system turn-down for operation in shoulder seasons.

7.2.2.4 As new refrigerant bans take effect on January 1st, 2024 in New York State, alternative refrigerants in the A2L classification, with low Global Warming Potential (GWP), such as R-32B or R-454B shall be utilized. The use of $CO_2$ as a refrigerant shall also be investigated by the contractor.'

7.2.2.4.1 The use of R-410A or other non-Low GWP refrigerants will not be accepted.

7.2.2.5 Chiller compressor may be digital scroll, variable speed scroll, or rotary screw type. Available Technologies shall be investigated by the Contractor as part of the final chiller selection process.

7.2.2.6 Chiller and Condenser minimum efficiencies must comply with the requirements of the NYECCC.

7.2.2.6.1 The chilled water system and components shall also comply with ASHRAE 90.1-2016, with New York State Amendments to the Standard as delineated in 19 NYCRR, Part 1240.

7.2.2.7 Refrigerant piping connecting the indoor chiller and remote outdoor condenser shall be copper ACR tube with all brazed joints.

7.2.2.8 A packaged water treatment skid shall be provided to provide for make-up water and system treatment in the hydronic chilled water system.

7.2.2.9 Make-up water connections shall be provided with an RPZ to prevent cross-connection between the hydronic system and domestic water system.

## 7.3 STEAM & CONDENSATE PIPING & SPECIALTIES/SPEC SECTIONS 232213 & 232216

7.3.1 Existing Systems

7.3.1.1 The existing steam boiler plant and facility main lines shall remain in service as they are in good operational condition.

7.3.1.2 To the extent practicable the steam and condensate lines serving the AHU in the A & B wing mechanical rooms may be re-utilized.

7.3.2 Proposed Systems

7.3.2.1 Extend existing steam mains to the new mechanical rooms to feed the AHU heating coils and the packaged, clean-steam generators that in turn feed the humidifiers in the units.

7.3.2.2 Extend steam condensate return lines to the mechanical rooms and route from condensate receivers back to the boiler plant condensate mains.

7.3.2.3 Steam piping shall be ASTM A53, Schedule 40 steel pipe; Grade A or B, Type S (Seamless).

7.3.2.3.1 Type E (Electric Resistance Welded) and Type F (Furnace Butt-welded) piping shall not be permitted.

7.3.2.3.2 All steam piping shall be welded:

7.3.2.3.2..1 For piping 1-1/2-inches and larger, butt-weld all joints.

7.3.2.3.2..2 Socket- or butt-welding may be utilized for piping less than 1-1/2-inches nominal size.

7.3.2.4 Gravity or Pumped Condensate piping shall be ASTM A53, Schedule 80 steel pipe; Grade A or B, Type S (Seamless).

7.3.2.4.1 Type E (Electric Resistance Welded) and Type F (Furnace Butt-welded) piping shall not be permitted.

7.3.2.4.2 Piping 2-inches and smaller may utilize threaded joints or be welded.

7.3.2.4.3 Piping larger than 2-inches shall be fully butt-welded.

7.3.2.5 Extend steam service to the new kitchens to feed the Commercial Dishwasher Booster Heaters.

7.3.2.6 Route steam condensate from the kitchen (with condensate receiver pumps if required), back to the boiler plant condensate return main.

## 7.4 STEAM CONDENSATE PUMPS/SPEC SECTION 232223

7.4.1 Existing Systems

7.4.1.1 Existing condensate return pumps located in the current Moon Street Wing mechanical rooms shall be demolished.

7.4.2 Proposed Systems

7.4.2.1 Provide new condensate receiver / pump sets utilizing cast iron receivers and bronze-fitted condensate pumps.

7.4.2.2 The condensate pumps shall be duplex and utilize run-time optimization strategies to alternate lead/lag pump.

7.4.2.3 The unit controls shall report individual pump status (run status) and high-level and unit alarms to the BMS system.

## 7.5 HYDRONIC PIPING, VALVES & SPECIALTIES/SPEC SECTIONS 230523, 232113 & 232116

7.5.1 Proposed Systems

7.5.1.1 Provide new chilled water piping form the new chiller to feed cooling coils in both new AHUs.

7.5.1.2 Hydronic piping shall be ASTM A53, Schedule 40 steel pipe; seamless or electrofusion welded seams.

7.5.1.2.1 Piping 2-1/2” and smaller shall utilize threaded joints, and piping larger than 2-1/2” shall be fully welded.

7.5.1.3 A steam to hot-water heat exchanger shall be provided in Wing A, Mechanical room. This heat exchanger will supply hydronic hot-water to supply the perimeter radiant ceiling panels, as well as the VAV, Re-Heat Coils.

7.5.1.4 A packaged water treatment skid shall be provided to provide for make-up water and system treatment in the hydronic hot-water system.

7.5.1.5 Make-up water connections shall be provided with an RPZ to prevent cross-connection between the hydronic system and domestic water system.

## 7.6 HYDRONIC PUMPS/SPEC SECTIONS 232123

7.6.1 Proposed Systems

7.6.1.1 Provide hydronic pumps to serve the chilled water system.

7.6.1.2 Variable speed pumping shall be utilized with a differential pressure sensor at the farthest run utilized to inform the BMS of system differential pressure.

7.6.1.2.1 The BMS system shall maintain a system differential pressure of 15 psig (Adjustable) by adjusting pump speed up and down to maintain setpoint.

7.6.1.3 Provide hydronic pumps to supply the hot-water system that will service the perimeter ceiling radiation units.

7.6.1.4 Variable speed pumping shall be utilized with a differential pressure sensor at the farthest run utilized to inform the BMS of system differential pressure.

7.6.1.4.1 The BMS system shall maintain a system differential pressure of 15 psig (Adjustable) by adjusting pump speed up and down to maintain setpoint.

## 7.7 METAL DUCTWORK SYSTEMS, ACCESSORIES AND AIR DISTRIBUTION SYSTEM CLEANING/SPEC SECTIONS 233113, 233300 & 233346

7.7.1 Existing Systems

7.7.1.1 The existing air distribution system ductwork is routed primarily on the roof of the facility and is in poor condition.

7.7.1.2 All existing duct systems within Unit A and B of the Moon Street Wings shall be demolished.

7.7.2 Proposed Systems

7.7.2.1 Provide new duct distribution systems from the new AHUs to serve all spaces. Each wing will have its own air distribution system connected to an AHU dedicated to the wing.

7.7.2.2 Steel Sheetmetal ductwork with aluminum or galvanized steel support hangers shall be utilized.

7.7.2.3 All ductwork shall be sealed a minimum of Class A.

7.7.2.4 All returns shall be fully ducted back to the AHU.

7.7.2.5 Flexible ductwork up to a maximum of five-feet in length may be utilized as the final connection to a supply diffuser.

7.7.2.6 Flexible ductwork must be well-supported, with a mid-point support to prevent any kinking.

7.7.2.6.1 Flexible ductwork must be pre-insulated with a minimum R-8 performance system.

7.7.2.6.2 Flexible ductwork utilizing insulation achieving less than R-8, shall not be accepted.

7.7.2.7 All ductwork, AHUs, terminal devices, and Diffusers & Grilles shall be fully cleaned. After duct system cleaning is completed, an anti-microbial coating will be applied to the inside of the entirety of the system.

7.7.2.8 Duct Linings or internal insulation shall not be accepted.

## 7.8 HVAC POWER VENTILATORS/SPEC SECTION 233423

7.8.1 Existing Systems

7.8.1.1 Existing exhaust fans serving the Moon Street Wings are in poor conditions and shall be demolished.

7.8.2 Proposed Systems

7.8.2.1 Roof-Mounted power ventilators (exhaust fans) shall be provided for dedicated bathroom exhaust.

7.8.2.2 An 18" curb shall be provided for mounting the fans.

7.8.2.3 Exhaust fans shall be downblast configuration with galvanized steel housing and aluminum fan wheels.

7.8.2.4 Bearings shall be permanently lubricated.

7.8.2.5 Motors shall be variable speed and controlled by the BMS system.

7.8.2.6 Any exhaust from kitchen hoods shall be UL 762 listed for grease-laden exhaust.

## 7.9 AIR TERMINAL UNITS & GRILLES/DIFFUSERS/SPEC SECTIONS 233600 &233713

7.9.1 Existing Systems

7.9.1.1 All existing terminal devices and Grilles, Registers & Diffusers shall be demolished.

7.9.2 Proposed Systems

7.9.2.1 Provide new supply diffusers and return grilles selected in accordance with the requirements of the Office for People with Developmental Disabilities (OPWDD), under Title 14 of the NY Codes, Rules and Regulations of the State of New York (14 CRR-NY). All devices must be ligature resistant.

7.9.2.2 All diffusers and return grilles shall be tamper resistant in design, including all fasteners.

7.9.2.3 All diffusers and return grilles shall be finished with factory white epoxy or baked enamel.

7.9.2.4 Diffusers & grilles shall be steel construction with welded corners, except in damp areas or those subject to moisture the material shall be aluminum.

7.9.2.5 Supply Diffusers shall be three-cone type with airfoil blades.

7.9.2.6 Return grilles shall be double-blade with horizontal front blades and vertical rear blades.

7.9.2.7 Balance dampers shall be provided throughout the system to allow each damper and each duct branch to be balanced during TABB.

7.9.2.8 All spaces in the renovated moon wings shall be served via Variable Air Volume (VAV) terminal units.

7.9.2.8.1 The VAVs shall be equipped with single-row hydronic re-heat coils for comfort.

7.9.2.8.2 Space sensors shall provide setpoint information to the BMS which in turn will control modulating, motorized control valves at each re-heat coil to maintain space setpoint.

7.9.2.8.3 In cooling mode, the AHU will supply 55°F air to the VAV boxes and re-heat coil may be utilized to trim spaces that are below temperature setpoint such that comfort is maintained regardless of load in a particular space.

7.9.2.8.4 Dynamic reset based on duct static pressure shall allow the supply fans at the AHU to modulate to provide minimum airflow required.

7.9.2.8.5 However, minimum Air Changes denoted herein shall always be maintained.

7.9.2.8.6 All VAV boxes shall be monitored and controlled by the BMS system.

## 7.10 MECHANICAL INSULATION/SPEC SECTIONS 230713, 230716 & 230719

7.10.1 Proposed

7.10.1.1 Piping Insulation:

7.10.1.1.1 Provide fiberglass, pre-formed pipe insulation and pre-formed fitting insulation, with all service jacket (ASJ).

7.10.1.1.2 Insulation at fittings shall be reinforced with a PVC jacket.

7.10.1.1.3 All hydronic hot water chilled-water piping shall be insulated, with thickness as noted in the NYECCC.

7.10.1.1.4 Provide rigid piping insulation inserts and galvanized steel or aluminum pipe insulation shields at all hangers or supports.

7.10.1.2 Pipe Insulation at valves and accessories:

7.10.1.2.1 All valves, accessories, and appurtenances shall be fully insulated.

7.10.1.2.2 Gaps in the insulation system at fittings, valves, accessories, or at hanger locations shall not be accepted.

7.10.1.3 Duct Insulation:

7.10.1.3.1 Provide rigid board insulation, with Foil Scrim Kraft (FSK) jacket.

7.10.1.3.2 Insulation at duct fittings shall be reinforced with an aluminum or galvanized steel angles.

7.10.1.3.3 All hydronic hot water chilled-water piping shall be insulated, with thickness as noted in the NYECCC.

## 7.11 HYDRONIC RADIANT-HEATING CEILING PANELS/SPEC SECTION 238200

7.11.1 Existing Systems

7.11.1.1 All existing perimeter radiant fin tube will be removed.

7.11.2 Proposed System

7.11.2.1 Radiant ceiling panels, either 24" x 24" or 24" x 48" panels, shall be installed in the ceiling system above exterior windows to offset perimeter fenestration loads.

7.11.2.2 Panels shall utilize copper tubing with a minimum wall thickness of .035".

7.11.2.3 Tubing shall be formed in a serpentine pattern mounted to an aluminum radiation panel face, with heat transfer paste between the tubing and the radiation panel.

7.11.2.3.1 Panels shall be coated with a white epoxy paint.

7.11.2.4 A motorized, modulating control valve shall be provided to control heating output of the radiant ceiling panels. Control of heating output shall be accomplished through the BMS utilizing feedback from a space temperature sensor.

7.11.2.4.1 Where more than one radiant ceiling panel is located in the same space, the supply connections may be piped from a common motorized control valve, and connected in a parallel piping arrangement.

7.11.2.5 An automatic flow control valve or manual balancing valve shall be provided on the radiant ceiling panel discharge piping.

7.11.2.6 A strainer shall be provided upstream of each control valve and isolation valves provided upstream of control valve and downstream of balancing/automatic flow control valve.

7.11.2.7 Provide access panels as required at each location of control valves, isolation valves to allow for maintenance.

7.11.2.7.1 Access panels shall utilize tamper resistant construction and locks.

## 7.12 DIRECT DIGITAL CONTROL SYSTEMS, CONTROL VALVES & DAMPERS, METERS, GAUGES & INSTRUMENTATION/ SPEC SECTIONS 230923 & 230993

7.12.1 Existing Systems

7.12.1.1 Building Management Systems are antiquated and limited in scope; primarily packaged equipment local controls are in place.

7.12.2 Proposed Systems

7.12.2.1 A new Building Management System (BMS) shall be provided to control the Moon Wing Units.

7.12.2.2 The BMS system shall be expandable to allow for additional areas of the building to be brought onto the BMS as part of future projects.

7.12.2.3 The BMS shall be BACNet IP compliant with password protected remote access provided. The BMS system shall be fully compliant with ASHRAE Standard 135.

7.12.2.4 All new mechanical equipment, control, valves, dampers, and sensors, including plumbing equipment shall be incorporated into the BMS system to allow for full building control, monitoring, and trending.

7.12.2.5 The Contractor shall prepare a full building-wide controls diagram, points list, and sequences of operation for review prior to installation and acceptance for the project.

7.12.2.6 The BMS head end shall be installed in the Moon Street Wing A, Mechanical Room.

7.12.2.6.1 Password protected Remote access shall be provided to OPWDD users; Coordinate with owner for list of personnel to be provided this access.

## 7.13 TESTING ADJUSTING AND BALANCING/SPEC SECTION 230593

7.13.1 Existing Systems

7.13.1.1 Perform an existing systems TABB report for apparatus testing, including flows of existing boiler plant, pumping systems, hydronic distribution system

7.13.1.2 All air handling unit shall have a complete apparatus test performed.

7.13.1.3 All air outlet & return air flows shall be documented.

7.13.1.4 TABB data collected shall help inform the contractor to speed design.

7.13.2 Qualifications

7.13.2.1 All TABB work shall be performed by a qualified sub-consultant with The National Environmental Balancing Bureau (NEBB) Certification.

7.13.3 Requirements for Proposed Systems

7.13.3.1 Perform TABB on all HVAC systems, including, but not limited to the following:

7.13.3.1.1 Air Handling Units.

7.13.3.1.2 Heating and Cooling Coils

7.13.3.1.3 Fans.

7.13.3.1.4 Power Exhaust Ventilators.

7.13.3.1.5 Vav Boxes.

7.13.3.1.6 HVAC Control Dampers.

7.13.3.1.7 Radiant Ceiling Panels.

7.13.3.1.8 Air Distribution Duct Systems.

7.13.3.1.9 Air Terminal Devices (100% of all supply diffusers & return grilles).

7.13.3.1.10 Hydronic Pumping Systems.

7.13.3.1.11 Hydronic Piing Distribution Systems.

7.13.3.1.12 Chiller Systems & Remote Condensers.

7.13.3.1.13 Building Management System.

## 7.14 COMMISSIONING OF HVAC/SPEC SECTION 230800

7.14.1 Requirements

7.14.1.1 All HVAC systems shall be tested, adjusted, and balanced through a formal commissioning process.

7.14.1.1.1 The Design-Build contractor shall be responsible for procuring the services of a third-party Commissioning Provider (CxP).

7.14.1.1.2 The Contractor's proposed CxP, including firm and staff qualifications shall be submitted to DASNY for Review and Approval.

7.14.1.2 Commission all HVAC systems, including, but not limited to the following:

7.14.1.2.1 Air Handling Units.

7.14.1.2.2 Heating and Cooling Coils.

7.14.1.2.3 Fans.

7.14.1.2.4 Power Exhaust Ventilators.

7.14.1.2.5 Vav Boxes.

7.14.1.2.6 HVAC Control Dampers.

7.14.1.2.7 Fire, Smoke, or Combination Fire & Smoke Dampers.

7.14.1.2.8 Radiant Ceiling Panels.

7.14.1.2.9 Motorized Control Valves.

7.14.1.2.10 Air Distribution Duct Systems.

7.14.1.2.11 Air Terminal Devices (100% of all supply diffusers and return grilles).

7.14.1.2.12 Hydronic Pumping Systems.

7.14.1.2.13 Hydronic Piing Distribution Systems.

7.14.1.2.14 Chiller Systems & Remote Condensers.

7.14.1.2.15 Building Management System.

# ELECTRICAL

# 8 ELECTRICAL NARRATIVE (DIVISION 26, 27, 28)

This electrical narrative is to serve as a Bridging Document which will outline the scope of the project for the Design-Build Team. PDC conducted an electrical on-site evaluation of the existing Moon Street Wings A and B of the OPWDD Westfall campus on Wednesday June 7th. The purpose of the visit was to determine the conditions of the existing electrical systems and determine what renovations will be necessary to accommodate the proposed plan and programming changes. The Monroe Feasibility Study (dated June 21, 2022) developed by Capital Services was used as a reference to this document.

This project's Uniform Code Classification is defined as an I-2 within a B occupancy. It is the contractor's responsibility to design electrical systems in accordance with the latest versions of NFPA 70 National Electrical Code, NFPA 72 National Fire Alarm and Signaling Code, NFPA 101 Life Safety Code, NFPA 110 Standard for Emergency and Standby Power Systems, NFPA 99 Health Care Facilities Code and NYCRR Title 14. All material shall be UL listed. All materials and labor described in Electrical Narrative shall be provided by the contractor, unless noted otherwise.

Electrical codes and other building codes referenced in the Electrical Narrative and are not inclusive of all the codes which apply. Electrical specification sections referenced in the Electrical Narrative are not inclusive of all the specification sections which apply. All required inspections and permits are the responsibility of the Contractor.

All Electrical systems designed and installed shall be subject to the requirements of the Office for People with Developmental Disabilities (OPWDD), under Title 14 of the NY Codes, Rules and Regulations of the State of New York (14 CRR-NY).

## 8.1 COMMON WORK RESULTS/MASTERSPEC SECTION DIVISION 26/27/28

All materials and equipment shall be listed, labeled, or certified by a Nationally Recognized Testing Laboratory (NRTL) to meet Underwriters Laboratories, Inc. (UL), standards where test standards have been established. New work shall be installed and connected to existing work neatly, safely, and professionally. Disturbed or damaged work shall be replaced or repaired to its prior conditions.

## 8.2 LOW VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES/MASTERSPEC SECTION 260519

Remove all existing low voltage electrical power conductors and cables within Wing A and Wing B, dispose of them from site, and provide new as programming requires. All feeders to panels and mechanical equipment shall be installed in a metallic conduit system. Branch circuiting conductors shall be in metallic conduit where exposed. Metallic armored or Metal-clad (NEC type MC) cabling with redundant equipment grounding will be allowed where concealed in walls or above accessible ceilings. All conductors shall be copper. Branch circuit and feeder wiring will consist of stranded copper conductors with THHN/THWN insulation. All branch circuit homeruns will be installed in EMT conduit interior to the structure and rigid galvanized steel (RGS) external/underground outside the building envelope. Minimum size shall be #12 AWG; conductors smaller than #10 shall be solid. Provide a separate neutral conductor for each branch circuit. Minimum conduit size shall be ¾". Liquid-tight

flexible metal conduit, minimum ¾", maximum 6' in length; utilize in wet locations. Exterior, above grade conduit will be RGS with threaded fittings. Conduits shall not be run in concrete slabs.

## 8.3 GROUNDING AND BONDING/MASTERSPEC SECTION 260526

Existing grounding and bonding systems were not identified. Contractor to verify the condition of the existing grounding system and provide a complete grounding electrode system for each Wing per NEC requirements. The grounding systems will include the bonding of all metal piping and ductwork to the main electrical ground bus located in the electrical room. Grounding electrodes shall be copper-clad steel, ¾ inch diameter, and 10 feet long. Grounding conductors shall be stranded copper, sized to meet NFPA 70 requirements. Separate insulated equipment grounding conductors within each feeder and branch circuit raceway shall be provided, with each end terminated on a suitable lug, bus, or bushing. All structural steel will be grounded to ensure there will be no grounding potential issues. Flexible metal conduit, minimum ½", maximum 6' in length, may be utilized for recessed luminaires, transformers, and motors.

## 8.4 IDENTIFICATION FOR ELECTRICAL SYSTEMS/MASTERSPEC SECTION 260553

All wiring and equipment shall be labeled using permanent labels; handwritten labels will not be accepted. Wiring (voltage, phase, neutral) shall also be consistent by a single color following standard NEC color designations throughout facility. All panelboards shall be factory labeled and have printed panel schedules provided and protected in plastic sleeves within the cabinets. All devices shall have a permanent label, noting the panel and circuit designation of each device (ex PP1-12). Communications wiring shall be labeled with printed sticker labels (handwritten labels will not be accepted) on both ends of the wire indicating patch panel information.

## 8.5 SHORT CIRCUIT, COORDINATION STUDIES AND ARC FLASH/MASTERSPEC SECTIONS 260573.13, 260573.16, 260573.19

It is the responsibility of the contractor to provide overcurrent protection devices such as circuit breakers and fuses, with correct sizes and interrupting current ratings for the available fault current where equipment is installed. It is the responsibility of the contractor to provide an arc flash study and provide proper visible and clear labeling of all equipment (PPE ratings) as required by NEC 110.16 and NFPA 70E.

## 8.6 LIGHTING CONTROL DEVICES/MASTERSPEC SECTION 260923

Remove and replace all existing lighting control devices. Provide low voltage lighting control devices as needed throughout facility to accommodate programming needs. Lighting control devices located within OMH Risk Assessment areas must comply with the level of OHM Risk Assessment requirements. Verify color of all switches and sensors with owner prior to purchasing. Indicate with permanent label, the panel and circuit designation of each device.

8.6.1 Existing Devices

8.6.1.1 Light switches are manual nylon switches. Some ceiling mounted occupancy sensors were observed. Most of the facility is manually controlled. A lighting control panel was not observed in either Wing A or Wing B.

8.6.2 Proposed Devices

8.6.2.1 Provide vacancy sensors in small offices, ceiling mounted low voltage occupancy sensors with low voltage power packs in larger open areas, and manual lighting controls in bedroom areas as designated by owner and programming. Provide lighting control dimming, 3-way switching, and multi-leg switching as required by owner and programming. Lighting controls shall be provided as required in the 2020 Energy Conservation Construction Code of NY. Label all devices (circuit designation) and verify color of all wiring devices with owner prior to purchasing.

## 8.7 SUBSTATIONS WITH SWITCHBOARD SECONDARY/MASTERSPEC SECTION 261116

Replace Substation #7 (Rm 206) and Substation #8 (Rm 223) withing existing rooms. Maintain Tie Loop serving Unit Substations. Contractor to provide temporary power to allow for work to be completed while systems are switched over.

8.7.1 Existing System

8.7.1.1 Wing A and Wing B of the Moon Street Main Electrical room each house a 31A primary 4160V/800A 120/208V secondary three section Federal Pacific Substation. This substation is estimated to have been installed circa 1980. Besides being at the end of its useful life, breakers within the Federal Pacific Substation fall under the timeline of the fraudulent UL listing and testing standards. Wing A Substation is identified as Substation #7 (Rm 206). Wing B Substation is identified as Substation #8 (Rm 223). These Substations feed multiple 120/208V panels within the Moon Street areas.

8.7.2 Proposed System

8.7.2.1 The intent of the work is to replace the existing Substation #7 (Rm 206) and existing Substation #8 (Rm 223), and to maintain the existing VRAL tie loop. Assuming that permanent power to Wing A and Wing B can be suspended for a switchover, it is recommended that a new substation be installed in both Wing A Rm 206 and Wing B Rm 223 in the same location as the existing Substations. It is likely that the 800A size will be sufficient for each wing. Contractor shall determine the equipment ampacity as well as the location of new Substations to minimize downtime.

8.7.2.2 Substation to consist of an incoming section, transformer, and dead front switchboard outgoing distribution sections sized and arranged as required to feed all downstream distribution and branch panelboards. Incoming section: Provide a factory-assembled, dead front, NEMA 1 construction, metal enclosed incoming section with 4160V load interrupter switch assembly. Transformer section: Provide a 3-phase 60Hz ventilated, dry-type, transformer with appropriate KVA

rating to feed switchboard section. Transformer shall be copper windings. Switchboard: Refer to section 262413 and 262416.

## 8.8 SWITCHBOARDS AND PANELBOARDS/MASTERSPEC SECTIONS 262413 AND 262416

Replace all switchboards and panelboards within Wing A and Wing B to serve needs and programming of proposed spaces. Remove all existing feeds and legally dispose of them from site. Provide all new feeders to new switchboards/panelboards. All switchboards and panelboards to be construction grand and provided with door-in-door fronts, bolt-on type breakers, and provided with a minimum of 20% spare breakers or space. Panelboards in occupied area to be recessed with lockable cover.

### 8.8.1 Existing Systems

8.8.1.1 The main electrical room for Wing A Rm 206 and the Mech Rm 207 have multiple switchboards and panelboards, which are all Federal Pacific. The main electrical room for Wing B Rm 223 and the Mech Rm 224 has multiple switchboards and panelboards, which are all Federal Pacific. Besides being at the end of their useful life, breakers within the Federal Pacific switchboards and panelboards fall under the timeline of the fraudulent UL listing and testing standards. There are also Kitchen Panels and other various downstream branch panels located throughout Wing A and Wing B.

### 8.8.2 Proposed Systems

8.8.2.1 The intent of the work to be performed in Wing A and Wing B includes removing all existing Wing A and Wing B switchboards and panelboards. Remove all existing electrical feeds between the corresponding Substation and switchboards and panelboards. The main switchboards shall be constructed with all copper buses, integral transient voltage surge suppression (TVSS), ground fault, and phase protection. Copper bus, 100% rated neutral for panels, thermal magnetic, bolt on type circuit breakers, and hinged covers. Provide all new switchboards and branch panelboards to facilitate the power requirements of the proposed spaces. Provide all new branch wiring and electrical feeds and size as required by NEC; include upsizing of feeds if voltage drop applies. Provide Surge Protection Devices at all Service Entrance Switchboards and Panelboards. SPD's shall be equipped with an integral disconnect switch. Wire connecting the SPD shall be no longer than 3'. Provide all new switchboards and panelboards with a minimum of 20% spare breakers. Provide AFCI and GFCI breakers as required by NEC.

## 8.9 WIRING DEVICES/MASTERSPEC SECTION 262726

Remove and replace all existing wiring devices. Provide wiring devices as needed throughout facility to accommodate programming needs. Wiring devices located within OMH Risk Assessment areas must comply with the level of OHM Risk Assessment requirements. Verify color of all wiring devices with owner prior to purchasing. Indicate with clear label, the panel and circuit designation of each device.

8.9.1 Existing Devices

8.9.1.1 Existing general receptacles are mostly 20A nylon grounded receptacles with metal cover plates. Special purpose receptacles were observed in the kitchen area.

8.9.2 Proposed Devices

8.9.2.1 Provide all new specification grade receptacle devices through the facility to accommodate programming requirements. Provide AFCI protection for all branch circuits supplying outlets in the bedrooms, recreation rooms, closets, hallways, and laundry areas. Provide GFCI protection in all wet and damp areas. Provide all general receptacles as tamper proof receptacles where required in NEC 406.12. Special receptacles are required for cooking equipment and other non-standard equipment. Contractor shall coordinate all special receptacle sizes and locations with owner prior to ordering and installing to support programming needs. Label all devices (circuit designation) and verify color of all wiring devices with owner prior to purchasing.

## 8.10 MOTOR CONTROLLERS/MASTERSPEC SECTION 262913

Motor Rated Switches shall be nominal 600 volts, 30A rated, single or two pole, with a NEMA 3 or 3R enclosure, with no overload protection. Manual Motor Starters shall be nominal 600 volts, 30A rated, single or two pole, with a NEMA 3 or 3R enclosure, and overload protection in each phase conductor. Manual Motor Starter with Relay and with H-O-A selector switch (Used for DDC or remote control of equipment). Starter shall be nominal 600 volts, 30A rated, single or two pole, with a NEMA 3 or 3R enclosure, and overload protection in each phase conductor. Provide with H-O-A selector switch and relay. Coordinate the relay coil voltage with the DDC contractor. Provide with integral fused disconnect switch, overload protection, automatic restart, and DDC system interface.

## 8.11 EMERGENCY AND EXIT LIGHTING/MASTERSPEC SECTION 265213

Existing emergency lighting, exit lighting, and wiring shall be removed. Provide all new LED emergency lighting and circuit to nearest lighting circuit ahead of any lighting control devices. Provide emergency lighting with test button. Emergency lighting to provide a minimum of 1 foot candle illumination along the path of egress. Provide all new LED illuminated exit signage along path of egress. Connect to nearest lighting circuit ahead of any lighting control device. Coordinate color of fixture with owner prior to purchasing and installing. Emergency lighting and exit lighting shall be fed from the existing on-site emergency generator.

## 8.12 LED INTERIOR LIGHTING/MASTERSPEC SECTION 265119

Remove all interior lighting and wiring. Replace with LED lighting and new wiring. Provide all interior lighting to satisfy IES illumination level requirements in each space type.

8.12.1 Existing Lighting

8.12.1.1 The existing lighting is inefficient CFL tube lighting. Many of the fixtures are 4 lamp troffer, surface mounted or recessed. Surface mounted fixtures are fed with surface wiremold.

8.12.2 Proposed Lighting

8.12.2.1 Provide high efficiency LED lighting in accordance with current IESNA standards recommended for specific space usage and task. All spaces shall be designed to meet ANSI/IESNA lighting level requirements. Provide color temperature of fixtures to match space programming needs. Task lighting and additional decorative lighting requirements shall be coordinated with the owner prior to purchasing. Provide energy star labeled fixtures where possible.

## 8.13 COMMUNICATION WIRING/MASTERSPEC SECTION 271000

Provide CAT 6 cables. Provide cable tray in corridors. All cables will be routed in ladder type cable tray. Cable tray will be accessible and will be sized to no more than 50% fill upon completion of construction. Contractor to verify all products and methods with owner prior to purchasing.

## 8.14 GROUNDING AND BONDING FOR COMMUNICATIONS SYSTEMS/MASTERSPEC SECTION 270526/280526

For equipment racks, cabinets, telecommunications systems, provide solid copper ground bars designed for mounting on the framework of open or cabinet-enclosed equipment racks. Termination components and splices shall meet or exceed UL 467 and be clearly marked with the manufacturer and catalog number. Install telecommunications bonding backbone conductor throughout building via telecommunications backbone pathways effectively bonding all interior telecommunications grounding busbars in all telecommunications rooms.

## 8.15 ADDRESSABLE FIRE-ALARM SYSTEMS/MASTERSPEC SECTION 284621.11

Replace Wing A and Wing B Simplex 4020 Fire Indicator Panels with 4010-ES ID Net Panels. Replace all fire alarm devices and wiring. Notification to occupants shall be comprised of voice annunciation devices in all normally occupied areas. Fire alarm shop drawings will be required to show code compliance. Areas where individuals will require assistance in evacuating the building shall have a limited number of audible devices and shall be located primarily in staff areas.

8.15.1 Existing System – Wing A and Wing B

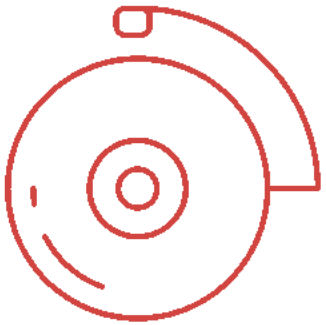
8.15.1.1 The main electrical room for Wing A Rm 206 and Wing B Rm 223 each house a Simplex 4020 Fire Indicator Panel. The head end controlling the campus is a Simplex 4120 Universal Transponder which is connected to a TrueSite Simplex Workstation. This monitoring system is housed in the main entrance security room off Rainbow Street. The initiation devices are Simplex devices. Coverage

appears to be sporadic in open areas with smoke detection and alarm strobe coverage. Maintenance as well as finding replacement parts is a concern. Existing wiring was not observed. Exterior alarm devices at building exits and in the fenced areas were not observed.

### 8.15.2 Proposed System – Wing A and Wing B

#### 8.15.2.1 

Replace Simplex 4020 Fire Indicator Panels with 4010-ES ID Net Panels. Replace all fire alarm devices and wiring. Contractor shall provide this addressable system with all new fire alarm initiation devices, detectors, duct smoke detectors, and notification devices. These devices shall be placed throughout the facility as required in NFPA 72. New devices may be required in different locations than existing devices. Fire alarm systems shall monitor the sprinkler systems for alarm and trouble conditions (flow switch/tamper switch). The system shall be interconnected with air handling equipment, door magnetic hold-open devices, and fire doors as required for protection of spaces and egress. This system shall utilize the existing emergency generator. Fire alarm shop drawings will be required to show code compliance.



# SECURITY SYSTEMS

# 9 SECURITY NARRATIVE

This Design Build project scope provides Bridging Design level documents to Trudeau Architects for the security systems renovation and additions for the overall Moon Street Wing renovations through the Dormitory of the State of New York (DASNY) for a separate Design Build project.

Scope of the Design Build will be to provide design level documents for removal of the existing security systems and provide new Access control/facility monitoring; Video surveillance system; and Personal Duress alarm systems.

The OPWDD Intensive Treatment facility project includes renovations to Moon Street Wings which include: Three (3) Ground level areas for bedrooms, Living and Program space. The facility is rated as an I-2 Occupancy comprised of three (3) - thirteen (13) bedrooms with treatment and clinical areas.

The project consists of rehabilitation of the Moon Stret Wings area including but not limited all mechanical, electrical and security related systems. Provide:

9.1.1 Proven, evaluated, state-of-the-art electronic technology and devices shall be included to the extent required to ensure security and surveillance capabilities.

9.1.2 As such, electronic systems, monitors, Personal alarm/duress, perimeter monitoring through the VMS/ CCTV system will be integrated across the facility to complement physical security and the dynamic security provided by safety staff.

9.1.3 IP based Video management system (VMS)- (Closed-Circuit Television Video) CCTV with 30-day 30fps recording storage.

9.1.4 Access Control/facility Monitoring (AC/FMS) with card access device interfaces. System shall communicate between the remote Mercury distributed control panels to be located in the data closets and networked to the main computers through a closed IP network switch configuration provided by the contractor.

9.1.5 Network switches shall be interconnected by fiber optic cables between the data room and main computer in the secure equipment rack for the VMS and Access Control systems.

9.1.6 A unified network can be provided for both the VMS and Access Control system.

9.1.7 Contractor shall provide all required network equipment, fiber optic cabling and misc. interface equipment for a complete and operational systems.

9.1.8 RF /IR/ based Personal Alarm System-Duress/Real Time Locating System (PAS/RTLS),

9.1.9 Security System computers shall be housed in the MDF Room in secure equipment rack(s) on shelves and supported by rack mounted UPS system to support the operation of the system for 4-hours in the event of a power loss. All security head end computers and accessories shall be installed within the secure locked cabinets.

9.1.10 Surge protection shall be provided for all incoming power circuits and any cabling from exterior mounted equipment.

9.1.11 Complete submittal packages for each individual system with equipment data sheets, load calculations, detailed riser diagrams and system operation narrative. Provide equipment manufacturer certification of on-site support and documents indication training and certification of the system integrator.

9.1.12 At the completion of the system installation and certification of acceptance, provide close out documents, training manuals, final test reports with wiring testing results, point-to-point wiring diagrams and manufacturer acceptance of the system operation.

## 9.2 #281300 ACCESS CONTROL AND DOOR MONITORING SYSTEM

The Card Access Control shall be as manufactured by Avigilon ACM (by Motorola) "Access Control Manager" System with Control Center 7 Software (or owner approved equal) fully programmed based on the facilities requirements to limit access to any number of levels based on authorization, time, and individuals access levels.

9.2.1 The system shall be fully integrated with the VMS (CCTV) system for alarm call up from unauthorized door use.

9.2.2 Access Control primary and secondary computers and accessories shall be provided by the contractor and an authorized Avigilon dealer for all programming, testing and customer training. Computers shall be housed in the secure equipment rack on shelves and supported by rack mounted UPS system to support the operation of the system for 4 hours in the event of a power loss.

9.2.3 The Access control system shall consist of monitoring, control of all entrance, and exit doors on both sides of the  doors, service entrances, with door status switches, fail-secure door strikes with pick-proof plates, and required exiting devices. shall be equipped with vandal and ligature resistance card readers by HID Compatible Essex-RoxProx or equal for controlling entry and exiting.

9.2.4 Provide 1000 Proximity cards as compatible with the Avigilon system and card readers.

9.2.5 Access control to all interior doors except for maintenance and utility room doors to control movement of individuals within the secure perimeter and the monitoring of areas occupied by individuals.

9.2.6 All bedrooms shall be equipped with vandal and ligature resistance card readers by Essex-RoxProx or equal for controlling entry to the bedrooms with vandal resistant recessed mounted request to exit sensors for individual exiting.

9.2.7 Electronic door locking shall be fail-secure door strikes with pick-proof plates,

9.2.8 Bathroom doors shall be card access controlled with electrified door hardware for employee override of the privacy lock in the event of an individual locking the door and not allowing staff to enter.

## 9.3 #282304 IP BASED VIDEO SURVEILLANCE SYSTEM -VMS (CCTV)

The VMS system head end (CCTV) and audio monitoring equipment racks will require a secured and air-conditioned room to house the components near the Moon Street Security Office. Distributed VMS computers, video storage, POE Network switches, and required components will be housed in locked 6' security equipment racks.

Cameras to be programmed for "Motion only" recording with 30 second prior and after motion is detected operation to reduce storage of non-activity operation. Review all programming with the owner for approved coverage and implementation of system analytics.

IT POE Network switches installed within Data rooms throughout the facility to support adjacent exterior CCTV cameras. Provide camera power supplies as required to support the panoramic cameras. These Data rooms will require 120VAC primary and secondary UPS power supplies and back up air-conditioning systems to support the facility and security systems network system components.

9.3.1 Exterior areas will be monitored with Avigilon ACC (By Motorola), or equal H4 360-270o degree wall mounted panoramic multi-(4) sensor cameras mounted at 10' AG next to each exterior door. Moon Street Safety officers will monitor surveillance equipment.

9.3.2 Camera shall be located on the exterior side at all exit doors from the Moon Street Wings, including service entrances, individual security vestibules, and recreation-courtyards.

9.3.3 The Moon Street Security Office shall be equipped with an arrangement of large screen 57" Video Wall monitors and 32" call up monitor ergonomically designed that officers can easily operate the control panels and observe the CCTV monitors., and systems controls for overall system monitoring and control.

9.3.4 VMS Controls and interfaces shall be located in the Moon Street Safety Office.

## 9.4 #282601 PERSONAL ALARM/DURESS SYSTEM (RF/IR/LIDAR) BASED SYSTEM

The Personal Alarm Duress system shall be comprised of RF/IR/Lidar – Multiplexed, or applicable receivers based on the system design and shall be located throughout the campus which will be used to receive alarm activations and monitor the location of staff activated transmitter during the alarm condition through the wireless transmitters. All receivers shall be vandal and ligature resistant. The system BOD is based on Systems by Guard1, Centrak, and Elpas.

9.4.1 The PAS/RTLS computer console(s) monitoring station monitors, and keyboard shall be installed in the control room of the Moon Street Safety Office and the central computer(s) will consist of a primary and secondary workstation and an event printer. Workstations shall be housed within the same location as the VMS head end equipment rack and supported by the UPS equipment for 4-hour back up in the event of a power failure. Applicable USB or IT extenders shall be provided to support the remote keyboard, mouse, and monitor.

9.4.2 PAS coverage shall provide 20' radius interior zone locator and 100' radius exterior zones extending out 250' from the exterior of the building.

9.4.3 Provide PAS enrollment station for employee enrollment into the system with photo input camera.

9.4.4 RF/IR – Multiplexed, or applicable receivers based on the system design shall be located throughout the Moon Street Wings and adjacent exterior courtyards which will be used to receive alarm activations and monitor the location of staff activated transmitter during the alarm condition through the wireless transmitters.

9.4.5 Employees shall be issued personal wireless alarm transmitters (FOB's) to call for assistance for emergencies. Provide 300 wireless duress buttons for use by employees.

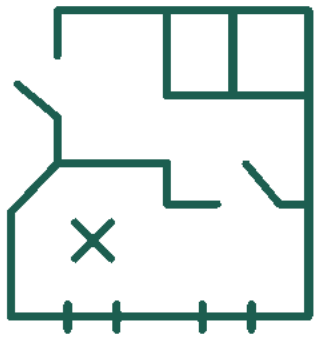
## 9.5 ADDITIONAL NOTES

9.5.1 All 120vac power, system wiring, fiber optic cabling, raceways," J" hooks where approved, backboxes, and associated electrical support components shall be provided by the Contractor. This coordination process will be reviewed during the design. Electrical raceways, power circuits, backboxes and associated infrastructure systems will be provided by the Electrical contractor.

9.5.2 Electrified door hardware will be provided by the Contractor. This coordination process will be reviewed during the Design Build process.

9.5.3 Provide tamperproof hardware and mounting screws on all equipment installation.

9.5.4 All systems custom programming, interfaces, testing, certification, and customer training shall be provided by the contractor and authorized equipment suppliers and with the manufacturers certified field technical staff.



# PROGRAMMING DRAWINGS AND DOCUMENTS

201
A

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D


# PARTITION REMOVALS

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# PROPOSED PROGRAMMING

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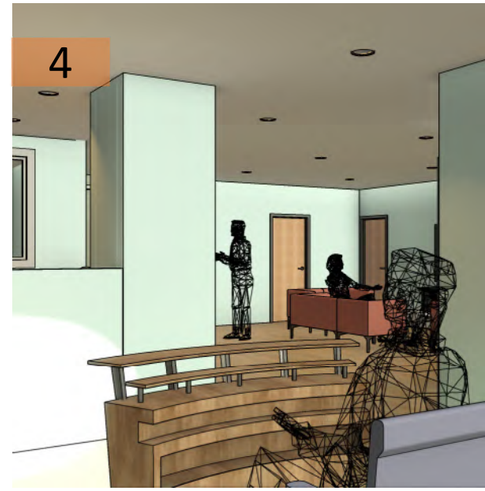
223
D


MINIMUM SIGHT LINES




# 201

# 208




## Department Legend

- AMENITY
- BATHROOM
- CARE
- CIRCULATION
- COMMON
- OFFICE
- RESIDENTIAL
- SERVICE

GRAPHIC SCALE

0 8 16 24 32

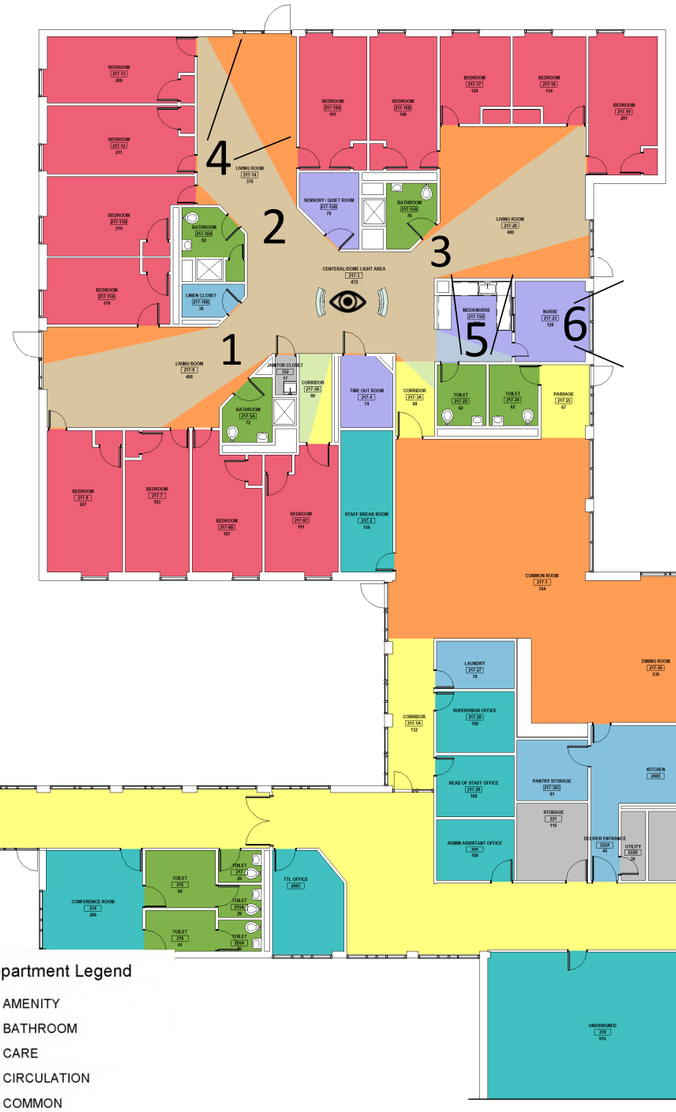
TRUDEAU ASSOCIATES

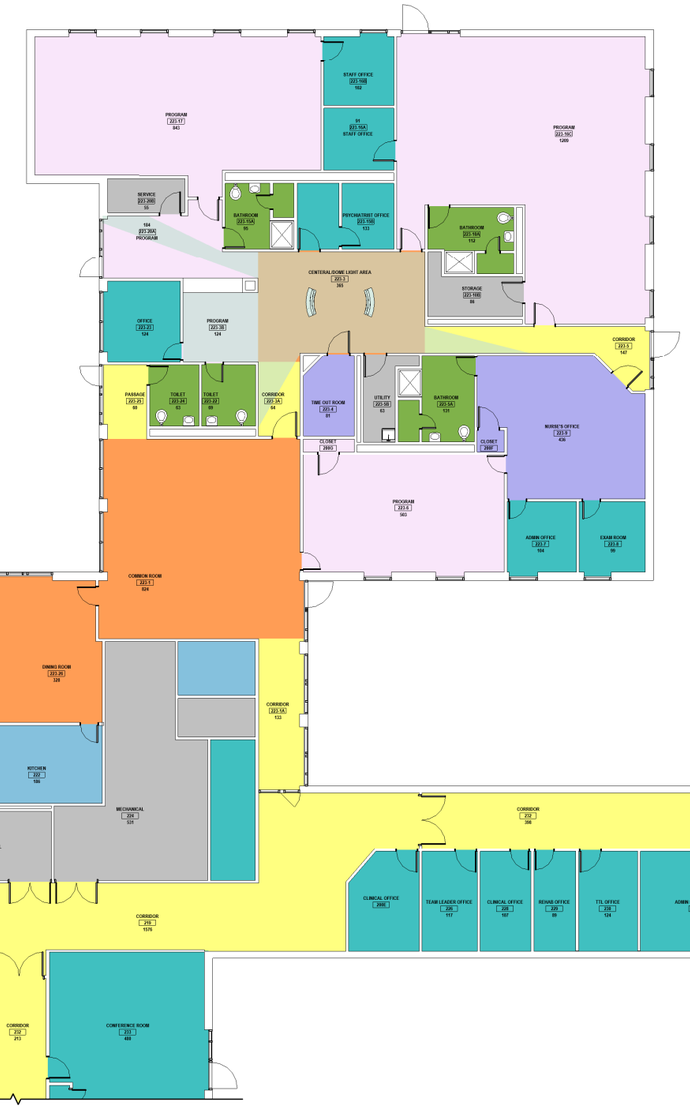
THE ART AND SCIENCE OF FACILITIES




# 217

# 223

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0 8 16 24 32

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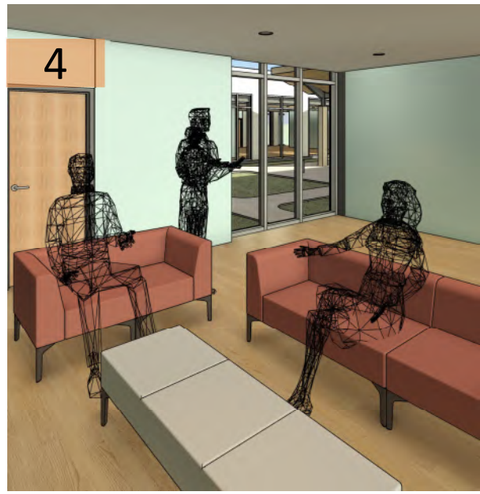
THE ART AND SCIENCE OF FACILITIES





# COMMON ROOM

# CANOPY

| Department | Wing | Name | Number | Sum of Area (SF) |
|---|---|---|---|---|
| ADMIN | 201 | STAFF BREAK ROOM | 201-2 | 157 |
| | | SUPERVISOR OFFICE | 201-29 | 99 |
| | 208 | STAFF BREAK ROOM | 208-2 | 154 |
| | 217 | HEAD OF STAFF OFFICE | 217-29 | 100 |
| | | STAFF BREAK ROOM | 217-2 | 156 |
| | | SUPERVISOR OFFICE | 217-28 | 100 |
| | 223 | ADMIN OFFICE | 223-7 | 104 |
| | | EXAM ROOM | 223-8 | 99 |
| | | OFFICE | 223-23 | 124 |
| | | PSYCHIATRIST OFFICE | 223-15B | 133 |
| | | STAFF OFFICE | 223-16A | 91 |
| | | | 223-16B | 102 |
| | OFF-WARD | ADMIN ASSISTANT OFFICE | 220 | 100 |
| | | ADMIN STAFF OFFICE | 231 | 251 |
| | | CLINICAL OFFICE | 228 | 107 |
| | | | 200E | 140 |
| | | CLOSET | 235 | 15 |
| | | CONFERENCE ROOM | 211 | 227 |
| | | | 214 | 206 |
| | | | 233 | 480 |
| | | OPEN STAFF OFFICE | 200A | 193 |
| | | REHAB OFFICE | 229 | 89 |
| | | STAFF BREAK ROOM | 234 | 486 |
| | | STAFF OFFICE | 204 | 116 |
| | | TEAM LEADER OFFICE | 226 | 117 |
| | | TTL OFFICE | 230 | 124 |
| | | | 200B | 145 |
| | | | 200C | 144 |
| | | UNASSIGNED | 239 | 916 |
| BATHROOM | 201 | BATHROOM | 201-10A | 83 |
| | | | 201-15A | 88 |
| | | | 201-5A | 71 |
| | | TOILET | 201-24 | 63 |
| | 208 | BATHROOM | 208-10A | 85 |
| | | | 208-15A | 91 |
| | | | 208-5A | 78 |
| | | TOILET | 208-22 | 74 |
| | | | 208-24 | 65 |
| | 217 | BATHROOM | 217-10A | 82 |
| | | | 217-15A | 76 |
| | | | 217-5A | 72 |
| | | TOILET | 217-22 | 62 |
| | | | 217-24 | 62 |
| | 223 | BATHROOM | 223-10A | 112 |
| | | | 223-15A | 95 |
| | | | 223-5A | 131 |
| | | TOILET | 223-22 | 69 |

| Department | Wing | Name | Number | Sum of Area (SF) |
|---|---|---|---|---|
| BATHROOM | 223 | TOILET | 223-24 | 63 |
| | OFF-WARD | TOILET | 210 | 29 |
| | | | 212 | 71 |
| | | | 213 | 51 |
| | | | 215 | 84 |
| | | | 216 | 61 |
| | | | 217 | 29 |
| | | | 212A | 29 |
| | | | 213A | 29 |
| | | | 215A | 29 |
| | | | 216A | 29 |
| CARE | 201 | MED/NURSE | 201-3B | 123 |
| | | NURSE | 201-23 | 120 |
| | | SENSORY / QUIET ROOM | 201-15B | 75 |
| | | THERAPY TUB | 201-22 | 63 |
| | | TIME OUT ROOM | 201-4 | 74 |
| | 208 | MED/NURSE | 208-3B | 120 |
| | | NURSE | 208-23 | 123 |
| | | SENSORY / QUIET ROOM | 208-15B | 77 |
| | | TIME OUT ROOM | 208-4 | 73 |
| | 217 | MED/NURSE | 217-15D | 124 |
| | | NURSE | 217-23 | 120 |
| | | SENSORY / QUIET ROOM | 217-15B | 76 |
| | | TIME OUT ROOM | 217-4 | 74 |
| | 223 | CLOSET | 200F | 12 |
| | | NURSE'S OFFICE | 223-9 | 436 |
| | | TIME OUT ROOM | 223-4 | 81 |
| CIRCULATION | 201 | CORRIDOR | 348 | 62 |
| | | | 201-1A | 133 |
| | | | 201-6 | 60 |
| | | EGRESS PASSAGE | 201-25 | 67 |
| | 208 | CORRIDOR | 350 | 45 |
| | | | 208-1A | 134 |
| | | | 208-3A | 64 |
| | | EGRESS PASSAGE | 208-25 | 50 |
| | 217 | CORRIDOR | 217-1A | 132 |
| | | | 217-3A | 60 |
| | | | 217-5B | 60 |
| | | EGRESS PASSAGE | 217-25 | 67 |
| | 223 | CORRIDOR | 223-1A | 133 |
| | | | 223-3A | 64 |
| | | | 223-5 | 147 |
| | | EGRESS PASSAGE | 223-25 | 60 |
| | OFF-WARD | CORRIDOR | 200 | 1560 |
| | | | 209 | 780 |
| | | | 219 | 1576 |
| | | | 232 | 611 |

| Department | Wing | Name | Number | Sum of Area (SF) |
|---|---|---|---|---|
| CIRCULATION | OFF-WARD | CORRIDOR | 201-32 | 84 |
| COMMON | 201 | CENTERAL/DOME LIGHT AREA | 201-3 | 448 |
| | | COMMON ROOM | 201-1 | 763 |
| | | DINING ROOM | 201-25 | 537 |
| | | LIVING ROOM | 201-14 | 377 |
| | | | 201-20 | 481 |
| | | | 201-9 | 432 |
| | 208 | CENTERAL/DOME LIGHT AREA | 208-3 | 449 |
| | | COMMON ROOM | 208-1 | 775 |
| | | DINING ROOM | 208-26 | 510 |
| | | LIVING ROOM | 208-14 | 383 |
| | | | 208-20 | 477 |
| | | | 208-9 | 426 |
| | 217 | CENTERAL/DOME LIGHT AREA | 217-3 | 472 |
| | | COMMON ROOM | 217-1 | 764 |
| | | DINING ROOM | 217-26 | 539 |
| | | LIVING ROOM | 217-14 | 376 |
| | | | 217-20 | 480 |
| | | | 217-9 | 408 |
| | 223 | CENTERAL/DOME LIGHT AREA | 223-3 | 365 |
| PROGRAM | 223 | CLOSET | 200G | 14 |
| | | PROGRAM | 223-1 | 824 |
| | | | 223-16C | 1209 |
| | | | 223-17 | 843 |
| | | | 223-20A | 184 |
| | | | 223-3B | 124 |
| | | | 223-6 | 503 |
| RESIDENTIAL | 201 | BEDROOM | 201-11A | 219 |
| | | | 201-11B | 171 |
| | | | 201-12 | 210 |
| | | | 201-13 | 207 |
| | | | 201-16A | 191 |
| | | | 201-16B | 190 |
| | | | 201-17 | 129 |
| | | | 201-18 | 134 |
| | | | 201-19 | 201 |
| | | | 201-6B | 187 |
| | | | 201-6C | 190 |
| | | | 201-7 | 194 |
| | | | 201-8 | 227 |
| | 208 | BEDROOM | 208-11A | 166 |
| | | | 208-11B | 217 |
| | | | 208-12 | 206 |
| | | | 208-13 | 204 |
| | | | 208-16A | 193 |
| | | | 208-16B | 191 |
| | | | 208-17 | 128 |

| Department | Wing | Name | Number | Sum of Area (SF) |
|---|---|---|---|---|
| RESIDENTIAL | 208 | BEDROOM | 208-18 | 132 |
| | | | 208-19 | 207 |
| | | | 208-6B | 199 |
| | | | 208-6C | 195 |
| | | | 208-7 | 209 |
| | | | 208-8 | 198 |
| | 217 | BEDROOM | 217-11A | 170 |
| | | | 217-11B | 219 |
| | | | 217-12 | 211 |
| | | | 217-13 | 208 |
| | | | 217-16A | 191 |
| | | | 217-16B | 190 |
| | | | 217-17 | 129 |
| | | | 217-18 | 134 |
| | | | 217-19 | 201 |
| | | | 217-6B | 187 |
| | | | 217-6C | 191 |
| | | | 217-7 | 193 |
| | | | 217-8 | 227 |
| SERVICE | 201 | JANITOR CLOSET | 349 | 18 |
| | | UTILITY | 201-28 | 64 |
| | 208 | JANITOR CLOSET | 351 | 20 |
| | 217 | JANITOR CLOSET | 352 | 17 |
| | 223 | STORAGE | 223-10B | 86 |
| | | UTILITY | 223-28 | 63 |
| | | | 223-5B | 63 |
| | | SERVICE | 223-20B | 55 |
| | OFF-WARD | CLOSET | 201-30 | 46 |
| | | ELECTRICAL | 206 | 177 |
| | | | 223 | 176 |
| | | MECHANICAL | 207 | 711 |
| | | | 224 | 547 |
| | | STORAGE | 203 | 127 |
| | | | 221 | 116 |
| | | UTILITY | 205B | 35 |
| | | | 222B | 36 |
| SUPPORT | 201 | KITCHEN | 205 | 181 |
| | | LAUNDRY | 201-27 | 89 |
| | | LINEN CLOSET | 201-10B | 39 |
| | | PANTRY STORAGE | 210-30C | 91 |
| | 208 | KITCHEN | 201-1H | 178 |
| | | LAUNDRY | 208-27 | 75 |
| | | LINEN CLOSET | 208-10B | 41 |
| | 217 | KITCHEN | 200D | 187 |
| | | LAUNDRY | 217-27 | 79 |
| | | LINEN CLOSET | 217-10B | 38 |
| | | PANTRY STORAGE | 217-30C | 91 |

| Department | Wing | Name | Number | Sum of Area (SF) |
|---|---|---|---|---|
| **SUPPORT** | **223** | KITCHEN | 222 | 186 |
| | | LAUNDRY | 223-27 | 88 |
| | **OFF-WARD** | DELIVER ENTRANCE | 222A | 45 |
| | | KITCHEN ENTRANCE | 205A | 41 |

| Department | Name | Floor Finish | Base Finish | Wall Finish | Ceiling Finish | Comments |
|---|---|---|---|---|---|---|
| ADMIN | ADMIN ASSISTANT OFFICE | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | |
| ADMIN | ADMIN OFFICE | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | |
| ADMIN | ADMIN STAFF OFFICE | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | |
| ADMIN | CLINICAL OFFICE | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | |
| ADMIN | CLOSET | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | |
| ADMIN | CONFERENCE ROOM | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | |
| ADMIN | EXAM ROOM | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | |
| ADMIN | HEAD OF STAFF OFFICE | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | |
| ADMIN | OFFICE | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | |
| ADMIN | OPEN STAFF OFFICE | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | |
| ADMIN | PSYCHIATRIST OFFICE | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | |
| ADMIN | REHAB OFFICE | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | |
| ADMIN | STAFF BREAK ROOM | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | |
| ADMIN | STAFF OFFICE | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | |
| ADMIN | SUPERVISOR OFFICE | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | |
| ADMIN | TEAM LEADER OFFICE | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | |
| ADMIN | TTL OFFICE | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | |
| ADMIN | UNASSIGNED | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | |
| BATHROOM | BATHROOM | BATHROOM: EPOXY<br>SHOWER: SOLID SURFACE | COORDINATE W/ FLOORING | BATHROOM: PAINTED GWB<br>SHOWER: SOLID SURFACE | BATHROOM: PAINTED GWB<br>SHOWER: SOLID SURFACE | HIGH IMPACT & MOISTURE RESISTANT GWB, ANTILIGATURE |
| BATHROOM | TOILET | EPOXY | COORDINATE W/ FLOORING | PAINTED GWB | PAINTED GWB | HIGH IMPACT & MOISTURE RESISTANT GWB, ANTILIGATURE |
| CARE | CLOSET | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | HIGH IMPACT GWB |
| CARE | MED/NURSE | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | |
| CARE | NURSE | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | |
| CARE | NURSE'S OFFICE | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | |
| CARE | SENSORY / QUIET ROOM | CARPET | RESILIENT | PAINTED GWB | PAINTED GWB | |
| CARE | THERAPY TUB | EPOXY | COORDINATE W/ FLOORING | PAINTED GWB | PAINTED GWB | HIGH IMPACT & MOISTURE RESISTANT GWB, ANTILIGATURE, |
| CARE | TIME OUT ROOM | EPOXY | EXISTING | EXISTING | PAINTED GWB | |
| CIRCULATION | CORRIDOR | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | HIGH IMPACT GWB |
| CIRCULATION | EGRESS PASSAGE | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | HIGH IMPACT GWB |
| COMMON | CENTERAL/DOME LIGHT AREA | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | HIGH IMPACT GWB |
| COMMON | COMMON ROOM | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | HIGH IMPACT GWB, BUILT IN CASEWORK, |
| COMMON | DINING ROOM | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | HIGH IMPACT GWB |
| COMMON | LIVING ROOM | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | HIGH IMPACT GWB |
| PROGRAM | CLOSET | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | HIGH IMPACT GWB |
| PROGRAM | PROGRAM | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | |
| RESIDENTIAL | BEDROOM | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | HIGH IMPACT GWB, ANTILIGATURE, FIXED WINDOW |
| SERVICE | CLOSET | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | |
| SERVICE | ELECTRICAL | EPOXY | COORDINATE W/ FLOORING | FRP | PAINTED GWB | |
| SERVICE | JANITOR CLOSET | EPOXY | COORDINATE W/ FLOORING | FRP | PAINTED GWB | MOISTURE RESISTANT GWB |

| | | | | | | |
|---|---|---|---|---|---|---|
| SERVICE | MECHANICAL | EPOXY | COORDINATE W/ FLOORING | FRP | EXPOSED | |
| SERVICE | SERVICE | EPOXY | COORDINATE W/ FLOORING | FRP | PAINTED GWB | |
| SERVICE | STORAGE | EPOXY | COORDINATE W/ FLOORING | FRP | PAINTED GWB | MOISTURE RESISTANT GWB |
| SERVICE | STORAGE | EPOXY | COORDINATE W/ FLOORING | FRP | PAINTED GWB | |
| SERVICE | UTILITY | EPOXY | COORDINATE W/ FLOORING | FRP | PAINTED GWB | MOISTURE RESISTANT GWB |
| SUPPORT | DELIVER ENTRANCE | QUARRY TILE | QUARRY TILE | PAINTED GWB | PAINTED GWB | |
| SUPPORT | KITCHEN | QUARRY TILE | QUARRY TILE | PAINTED GWB | ACT/GWB | |
| SUPPORT | KITCHEN ENTRANCE | QUARRY TILE | QUARRY TILE | PAINTED GWB | PAINTED GWB | |
| SUPPORT | LAUNDRY | EPOXY | COORDINATE W/ FLOORING | PAINTED GWB | PAINTED GWB | MOISTURE RESISTANT GWB |
| SUPPORT | LINEN CLOSET | LVT | RESILIENT | PAINTED GWB | PAINTED GWB | |
| SUPPORT | PANTRY STORAGE | QUARRY TILE | QUARRY TILE | PAINTED GWB | PAINTED GWB | |

# APPENDIX

# PRE-RENOVATION SURVEY

FOR

ASBESTOS-CONTAINING MATERIALS, LEAD-BASED PAINT,
POLYCHLORINATED BIPHENYLS IN CAULKS AND SEALANTS, MICROBIAL GROWTH

AND

UNIVERSAL/HAZARDOUS WASTE

FOR THE

MOON STREET RENOVATION PROJECT

AT

FINGER LAKES DDSO
620 WESTFALL ROAD
ROCHESTER, NEW YORK

DASNY PROJECT NO. 373920

JULY 2023

PREPARED FOR:

Trudeau Associates
219 Forts Ferry Road
Latham, New York

FOR SUBMISSION TO:

Dormitory Authority State of New York
515 Broadway
Albany, New York

PREPARED BY:

Watts Architects &Engineers
95 Perry Street
Suite 300
Buffalo, NY 14203

# TABLE OF CONTENTS

# 1.0 – EXECUTIVE SUMMARY

## 1.0 EXECUTIVE SUMMARY

Watts Architects & Engineers (Watts) was retained by Trudeau Associates to perform a pre-renovation survey for asbestos-containing materials (ACM), polychlorinated biphenyls (PCBs) in caulks and sealants, lead-based paint (LBP), microbial growth, and universal and hazardous waste for the Moon Street Renovation Project (DASNY Project #373920) at the Finger Lakes DDSO, located at 620 Westfall Road in Rochester, New York.

The field work was conducted on May 26, May 30, and May 31 2023 included the following:

- A review of previous regulated building materials testing and survey reports at the Van Dyke ATC. Summaries and laboratory data from the prior reports are attached to this report. Previous testing reports for the Van Dyke ATC include the following:
    - Watts April 2011, Pre-Renovation Survey Report at 620 Westfall Road, Rochester, New York.
    - Watts July 2, 2005, Limited Bulk Sampling Report in Buildings 717, 723 and 738 Flower Street at 620 Westfall Road, Rochester, New York DASNY Project # 14978029999.
    - Lozier Environmental Consulting, Inc. January 30, 2020, Pre-Renovation Asbestos Survey at 620 Westfall Road, Rochester, New York.
    - Labella Associates April 7, 2023 Bulk Sample Asbestos Analytical Report at 620 Westfall Road, Rochester, New York.
- A visual inspection to identify suspect ACM, mold and universal/hazardous waste that are within the scope of the project;
- Collection and laboratory analysis of bulk samples for asbestos and PCBs as appropriate, that may be disturbed by the project scope;
- Documentation of asbestos and PCBs bulk sample locations on a drawing and chain-of-custody form, and
- Testing of painted components using an XRF analyzer.

### ASBESTOS-CONTAINING MATERIALS

The inspection included the collection of a total of one hundred forty-five (145) bulk samples to represent identified suspect materials that may be disturbed within the proposed project limits that were not previously sampled. ACM is defined as any material containing more than one percent (1%) of asbestos. Based on the laboratory analysis, visual observations and previous data, **the following ACMs were identified within the project limits and may be disturbed by the current scope of work:**

- **Black 12"x 12" floor tile**[1] was identified in rooms 200, 200A, 200B, 201-2, 201-29, 201-30, 203, 204, 208-2, 209, 211, 212, 213, 214, 215, 216, 217-2, 217-29, 217-30C, 219, 219A, 219B, 220, 221, 223-6, 223-7, 223-8, 223-9, 223-26 and 223-26A. The associated black floor tile mastic is also asbestos-containing. Approximately 4,420 square feet of

asbestos-containing black 12" x 12" floor tile was observed within project limits. Floor tiles are a non-friable material and were observed to be in good condition.

- **Black floor tile mastic**[1] was identified in rooms 200, 200A, 200B, 201-2, 201-29, 201-30, 203, 204, 208-1, 208-1A, 208-2, 208-26, 208-26A, 209, 211, 212, 213, 214, 215, 216, 217-2, 217-26, 217-26A, 217-29, 217-30C, 219, 219A, 219B, 220, 221, 223-6, 223-7, 223-8, 223-9, 223-26, and 223-26A. The floor tile mastic was generally found under the asbestos-containing black 12" x 12" floor tile but was also found residually beneath other types of flooring. Approximately 5,620 square feet of asbestos-containing black floor tile mastic was observed within project limits. Floor tile mastic is a non-friable material and was observed to be in good condition.
- **Brown floor covering**[1] was identified under carpet or non-ACM floor tile in rooms 217-6B, 217-6C, 217-7, 217-8, 208-16A, 208-13, 208-11B, 201-1A, 201-1, 201-26, 201-26A, 201-6C, 201-6A, 201-6B, 201-7, 201-8, 201-9, 201-3, 201-3A, 201-3B, 201-23, 201-16A, and 201-16B. Approximately 3,750 square feet of asbestos-containing brown floor covering was observed within project limits. The floor covering is a non-friable material and was observed to be in good condition.
- **Blue/tan floor covering** was identified under carpet or non-ACM floor tile in rooms 217-11A, 217-16B, 217-17, and 217-19. Approximately 530 square feet of asbestos-containing blue/tan floor covering was observed within project limits. The floor covering is a non-friable material and was observed to be in good condition.
- **Brick pattern floor covering** was identified under non-ACM floor tile in rooms 208-3, 208-3A, 208-3B and 208-20. It is also in room 208-23. Approximately 1,550 square feet of asbestos-containing brick pattern floor covering was observed within project limits. The floor covering is a non-friable material and was observed to be in good condition.
- **Tan carpet mastic** on was identified in rooms 208-17, 208-18, and 208-19. It sits on asbestos-containing cream floor covering. Approximately 675 square feet of asbestos-containing tan carpet mastic was observed within project limits. Carpet mastic is a non-friable material and was observed to be in good condition.
- **Cream floor covering** was identified under carpet or non-ACM floor tile in rooms 208-6A, 208-6B, 208-6C, 208-7, 208-8, 208-9, 208-11A and 208-14. It is also in rooms 208-17, 208-18, and 208-19 under asbestos-containing tan carpet mastic. Approximately 2,985 square feet of asbestos-containing cream floor covering was identified within project limits. The floor covering is a non-friable material and was observed to be in good condition.
- **Drywall ceiling/soffit joint compound**[1] was identified throughout the majority of the project limits. Drywall ceilings and the associated ceiling joint compound was not observed in mechanical rooms, electrical rooms, and in room 215A. Approximately 53,200 square feet of asbestos-containing drywall ceiling joint compound was observed within project limits. Drywall joint compound is a friable material and was observed to be in good condition.
- **Drywall wall joint compound**[1] was identified in various rooms throughout the project limits. Approximately 22,250 square feet of drywall wall joint compound was observed within project limits. Drywall joint compound is a friable material and was observed to be in good condition.

- **Wire insulation** associated with original can light fixtures and original 4' fluorescent light fixtures is assumed to be asbestos-containing. Approximately 210 light fixtures with a total of 1,430 linear feet of assumed asbestos-containing wire insulation was identified. Wire insulation is a non-friable material and is assumed to be in good condition.

[1] This material was previously identified to be asbestos-containing as part of prior asbestos testing within the building. The associated laboratory analytical data are included in section 10.0 of this report.

## ASSUMED ASBESTOS-CONTAINING MATERIALS

The following materials were assumed to be an ACM based accessibility and/or historical application.

- **Pipe/flange gaskets** in mechanical rooms 207 and 224. This material was not accessible for bulk sample collection and laboratory analysis. Approximately 60 square feet is present.

- **Transite ductwork** under the floor slab that can be seen from mechanical rooms 207 and 224 - Quantity unknown.

- **Seam Caulk** on HVAC unit was found in previous survey. Before construction further investigation is needed.

## NON-ASBESTOS-CONTAINING MATERIALS

Based on visual observations, laboratory analysis of samples collected as part of this inspection, the following materials have been identified to be non-ACM:

- Brown 12" x 12" floor tile*
- Tan floor tile mastic*
- Light tan 12" x 12" floor tile
- Blue 12" x 12" floor tile
- Light grey 12" x 12" floor tile
- Teal 12" x 12" floor tile
- White 12" x 12" spec floor tile
- White/grey 12" x 12" floor tile
- White/blue 12" x 12" floor tile
- Multi-color spec 12" x 12" floor tile
- Grey floor covering
- Blue floor covering
- Light tan floor covering
- Dark wood floor covering

- White wall carpet mastic
- White shower caulk
- White sink caulk
- Dot & fissure ceiling tile
- Smooth fissure ceiling tile
- Tan mastic/wood
- Brown/grey coating
- Black cove base
- Tan cove base
- Tan wall paneling mastic
- Red exhaust caulk
- White counter caulk
- White sealant on pipe endcap
- Fiberglass pipe wrap
- Fiberglass duct wrap
- Mudded pipe fitting insulation
- Tan ceramic wall mastic
- White ceramic wall grout
- Grey ceramic floor grout
- Grey ceramic floor cement
- White wall plaster skim coat
- Grey wall plaster skim coat
- Grey window glazing compound
- White wall texture
- Exterior brick mortar
- Dark brown/grey window caulk
- White skylight caulk
- Grey caulk at roof
- Cementitious ceiling at exterior overhang
- Silver/black coating at roof
- Grey firestop
- Black tar behind rubber flashing
- Brown/silver vapor barrier paper
- Black roofing

*All contractors shall note this material had detectable levels of asbestos present but was found to be less than 1.0% asbestos and, therefore, the material is classified as non-ACM. Contractors shall follow federal regulations, including those established by OSHA, for work involving such non-ACM asbestos trace materials.

## XRF LEAD TESTING

Representative XRF readings were taken on select building components throughout the proposed renovation areas. The list below represents the building components that were tested as part of

the investigation. Contractors should follow applicable OSHA regulations when disturbing lead-containing paint. The following surface has been determined to be lead coated, >1.0 mg/cm$^{2,}$ as part of the Watts' May 2023 investigation:

- White ceramic sinks.

The following surface and/or materials were determined to be coated with and/or contain lead (less than or 1.0 mg/cm$^2$) and are considered lead-containing paint (LCP):

- Light blue, tan, white, yellow, pink, lime, and teal drywall walls/ceilings;
- Pink, white, tan, and teal plaster walls/support columns;
- Blue, white, yellow, lavender, black, tan, dark brown, lime, brown and teal metal doors/door frames;
- White metal ceiling hatches;
- Black, silver, and dark brown metal window frames;
- Black, beige, grey, white, brown, and green vinyl cove bases;
- White foam column;
- White, light brown and brown ceramic floor/wall tiles;
- Grey ceramic thresholds;
- Red and burgundy metal structural I-beams;
- Brown and dark brown metal HVAC floor units;
- Grey metal HVAC ductwork;
- Silver metal water fountains;
- White ceramic toilets;
- Red metal fire extinguisher boxes;
- Brown and lime metal railings;
- Grey metal electric panel boxes;
- Brown and tan brick walls;
- Green vinyl benches;
- Black metal stairs;
- Pink metal roof vents;
- Beige metal roof coping;
- Brown metal yard light on roof; and
- Brown metal roof flashing.

For additional information, refer to the XRF analyzer data table in Section 3.1.

## POLYCHLORINATED BIPHENYLS

During the survey Watts investigated caulks and sealants to determine if polychlorinated biphenyls (PCBs) are present at a concentration equal to or greater than 50 parts per million (ppm). The following materials were sampled and analyzed for PCB-content:

- White counter caulk
- White shower caulk

- White sink caulk
- Grey window glazing compound
- White skylight caulk
- Dark brown/grey caulk at exterior windows/doors
- Red caulk at exhaust vents

Based on the results of the laboratory analysis, **the following materials sampled contain PCBs above the EPA's regulatory threshold:**

- **Dark brown/grey caulk at exterior windows/doors – 115 windows**

The Environmental Protection Agency (EPA) regulates PCBs and considers any debris generated from construction materials manufactured with PCBs derived from building renovation projects with a concentration of equal to or greater than 50 parts per million (ppm) "PCB bulk product waste". The Toxic Substances Control Act (TSCA) regulations (40 CFR Part 761) prescribes requirements for the proper management of PCB materials, including their handling and disposal. PCB bulk product waste at concentrations ≥ 50 ppm must follow specific storage, transport, and disposal requirements.

## MOLD OBSERVATIONS

As part of this assessment, Watts' visually inspected building materials within the project limits for microbial growth. During Watts' May 2023 field investigations, approximately 25 square feet of mold growth was observed along the lower drywall walls in room 223-5A. In addition, approximately 120 square feet of water staining was observed on the drywall ceiling in room 217-9. While no visible mold growth was observed, it is possible that mold growth exists on the backside of the water stained drywall ceiling.

Mold Assessment Definition: Chapter Amendment to Article 32 of the NY State Labor Law, "*Mold Assessment"* means an inspection or assessment of real property that is designed to discover mold, conditions that facilitate mold, indications of conditions that are likely to facilitate mold, or any combination thereof.

For the purpose of describing the size of mold-affected areas, Watts refers to areas as being "Small", Medium", or "Large", as defined in the U.S. EPA document entitled *Mold Remediation in Schools and Commercial Building*s (September 2008 version).

Note: Watts' evaluation included observations of readily accessible areas. Destructive investigation of walls and ceilings, nor spore sampling and analysis were performed as part of the investigation. The evaluation did not include a structural evaluation or evaluation of any of the other systems (i.e., mechanical, electrical, or plumbing).

## UNIVERSAL AND HAZARDOUS WASTE

Potential universal and hazardous waste sources investigated during the survey included items of concern, such as mercury containing light bulbs, PCB/DEHP (Di-2-ethylhexyl phthalate) fluorescent light ballasts, light emitting diode (LED) fixtures.

The field survey was conducted in May 2023 and resulted in the following general observations:

- Approximately 590 (4') fluorescent light bulbs
- Fluorescent light fixture ballasts were observed to be electronic, non-PCB containing.

- Refrigerants in 4 drinking fountains
- Refrigerants in built-in coolers and HVAC equipment may be present, further investigation is needed.

## OBSERVATIONS

During the survey, Watts' personnel investigated suspect ACMs, PCBs, lead-based paint (LBP), microbial growth and universal and hazardous waste that may be affected by the proposed scope of work for the Moon Street Renovation project.

Finishes in the Moon Street wing generally consist of drywall ceilings with asbestos-containing joint compound, plaster walls, and drywall walls with asbestos-containing joint compound. Drywall was observed behind plaster walls in various rooms, where visible from pre-existing wall penetrations. Two rooms were found to have a disturbance of asbestos-containing drywall ceiling joint compound: approximately 120 square feet in room 217-9 and 225 square feet in room 217-20. Floor finishes vary considerably from room to room. Multiple flooring finishes were identified to be asbestos-containing including: 12" x 12" black floor tile, black mastic associated with the 12" x 12" floor tile, brown floor covering, blue/tan floor covering, brick floor covering, cream floor covering, and tan carpet mastic. Typical non ACM flooring finishes include carpet, carpet squares, 12" x 12" brown floor tile, 12" x 12" light tan floor tile, 12" x 12" blue floor tile, 12" x 12" light grey floor tile, 12" x 12" teal floor tile, white 12" x 12" spec floor tile, 12" x 12" white/grey floor tile, 12" x 12" white/blue floor tile, 12" x 12" multi-color spec floor tile, grey floor covering, blue floor covering, light tan floor covering, and dark wood floor covering.

All pipe and duct insulation observed during the inspection was non-asbestos fiberglass insulation. Mudded pipe fitting insulation sampled in the mechanical rooms was determined to be non-ACM.

Can-style ceiling recessed light fixtures and 4' light fixtures are assumed to have asbestos-containing lead wire insulation. The light fixtures were inaccessible for sampling as part of this investigation because the wiring is concealed above hard ceilings as well as being energized. The wiring should be sampled and analyzed for asbestos-content prior to the renovation project which will disturb these fixtures.

Dark brown/grey caulk at exterior window/door frames was found to be PCB-containing. Approximately 145 square feet of PCB-containing window/door frame caulk was observed within

the project limits.

Approximately 25 square feet of visible mold growth was observed in room 223-5A on the lower drywall walls. Approximately 120 square feet of water staining was observed on the drywall ceiling in room 217-9. While no visible mold growth was observed, it is possible that mold growth exists on the backside of the water-stained drywall ceiling.

The roofs for 201, 208 and 223 wing are homogenous and consists of rubber, polyisocyanurate, gravel built up roofing and fiberboard on a metal roof deck. The 217-wing roof is made of rubber, polyisocyanurate and a vapor barrier on a metal roof deck. All roofing samples are non-ACM.

It is the belief of Watts' that this investigation has identified all suspect ACM that may be disturbed by the proposed scope of the work as it was defined at the time this report was issued. However, if the scope of the proposed project is expanded, additional field investigation and sampling may be necessary. If additional suspect building materials are to be disturbed that have not been sampled as part of this investigation, or part of a previous investigation, samples of each material should be collected and analyzed for asbestos, PCBs, lead as appropriate.

# 2.0 – ASBESTOS-CONTAINING MATERIALS

## 2.0 ASBESTOS-CONTAINING MATERIALS

Sampling and Laboratory Methodology

NYSDOL-certified asbestos inspectors from Watts (Ted Knapp and Ted Gorenflo) collected bulk samples of all suspect ACM that may be disturbed by the proposed scope of work. Bulk samples were collected using simple hand tools from each matrix identified as a potential ACM.

Samples were delivered with the proper chain-of-custody forms to a New York State-accredited laboratory that is a participant in the Environmental Laboratory Approval Program (ELAP) and National Voluntary Laboratory Approval Program (NVLAP). All materials, except non-friable organically bound (NOB) materials, and cellulose-containing ceiling tiles (CCT), were analyzed using Polarized Light Microscopy (PLM) using Method 198.1. In addition, all samples analyzed via 198.1 were examined for the presence of vermiculite. CCTs and NOBs, which include, but are not limited to, roofing materials, mastics, and caulks underwent gravimetric reduction and were analyzed by Polarized Light Microscopy (PLM) Method 198.6. Any CCTs or NOB materials that were found to be negative under PLM were then analyzed by Transmission Electron Microscopy (TEM) Method 198.4. The New York State Department of Health (NYSDOH) protocol requires analysis by TEM if the PLM analysis does not confirm the presence of asbestos.

Where possible, Watts visually inspected the identified ACM to assess its condition. The condition of the ACM was classified as good, fair or poor. The requirement for each designation is as follows:

Good: Material with no visible damage or deterioration or showing very limited damage or deterioration.

Fair: The surface of the material is crumbling, blistering, water-stained, gouged, punctured or otherwise damaged with the damage covering less than one tenth of the surface if the damage is evenly distributed or up to 25% of the material if the damage is localized.

Poor: The surface of the material is crumbling, blistering, water-stained, gouged, punctured or otherwise damaged with the damage covering more than one tenth of the surface if the damage is evenly distributed or more than 25% of the material if the damage is localized. Material with large areas hanging from the substrate, delaminated, heavily gouged, crushed, etc.

This section includes information on all suspect ACM sampled and contains the following: a Homogeneous Materials List containing the homogeneous materials identified, their corresponding sample numbers, and whether or not they are ACM, drawings identifying the approximate locations of asbestos bulk samples, and asbestos laboratory reports and associated chain-of custody forms.

# HOMOGENEOUS MATERIALS LIST
# PRE-RENOVATION SURVEY
# MOON STREET RENOVATION PROJECT
# FINGER LAKES DDSO
# 620 WESTFALL ROAD
# ROCHESTER, NEW YORK

| Material Description | Sample Location | Type | Sample Number | Results (% Asbestos) | | ACM |
|---|---|---|---|---|---|---|
| | | | | PLM | TEM | Y/N |
| Brown 12"x 12" Floor Tile | Room 217-18 | M | 20230185-01 | NAD | NAD | N |
| | | | 20230185-03 | NAD | Trace Chrysotile | |
| Tan Floor Tile Mastic | Room 217-18 | M | 20230185-02 | NAD | NAD | N |
| | Room 217-18 | | 20230185-04 | NAD | NAD | |
| | Room 217-38 | | 20230185-10 | NAD | NAD | |
| | Room 217-1 | | 20230185-12 | NAD | NAD | |
| | Room 223-16A | | 20230185-20 | NAD | NAD | |
| | Room 208-18 | | 20230185-22 | NAD | NAD | |
| | Room 217-11B | | 20230185-24 | NAD | Trace Chrysotile | |
| | Room 201-16 | | 20230185-26 | NAD | NAD | |
| Light Tan 12"x 12" Floor Tile | Room 208-3 | M | 20230185-05 | NAD | NAD | N |
| | Room 208-26 | | 20230185-06 | NAD | NAD | |
| Blue 12"x 12" Floor Tile | Room 208-11B | M | 20230185-07 | NAD | NAD | N |
| | | | 20230185-08 | NAD | NAD | |
| Light Grey 12"x12" Floor Tile | Room 217-38 | M | 20230185-09 | NAD | NAD | N |
| | Room 217-1 | | 20230185-11 | NAD | NAD | |
| Teal 12'x 12" Floor Tile | Room 201-1 | M | 20230185-13 | NAD | NAD | N |
| | Room 201-3 | | 20230185-14 | NAD | NAD | |
| White Spec 12"x 12" Floor Tile | Room 200 | M | 20230185-15 | NAD | NAD | N |
| | | | 20230185-16 | NAD | NAD | |

# HOMOGENEOUS MATERIALS LIST
# PRE-RENOVATION SURVEY
# MOON STREET RENOVATION PROJECT
# FINGER LAKES DDSO
# 620 WESTFALL ROAD
# ROCHESTER, NEW YORK

| Material Description | Sample Location | Type | Sample Number | Results (% Asbestos) | | ACM |
|---|---|---|---|---|---|---|
| | | | | PLM | TEM | Y/N |
| White/Grey 12"x 12" Floor Tile | Room 201-12 | M | 20230185-17<br>20230185-18 | NAD<br>NAD | NAD<br>NAD | N |
| White/Blue 12"x 12" Floor Tile | Room 223-16A<br>Room 208-18 | M | 20230185-19<br>20230185-21 | NAD<br>NAD | NAD<br>NAD | N |
| Multi-Color Spec 12"x 12" Floor Tile | Room 217-11B<br>Room 201-16 | M | 20230185-23<br>20230185-25 | NAD<br>NAD | NAD<br>NAD | N |
| Grey Floor Covering | Room 217-23<br>Room 201-1 | M | 20230185-27<br>20230185-28 | NAD<br>NAD | NAD<br>NAD | N |
| Blue Floor Covering | Room 201-18 | M | 20230185-29<br>20230185-30 | NAD<br>NAD | NAD<br>NAD | N |
| **Blue/Tan Floor Covering** | **Room 217-11B<br>Room 217-11A** | **M** | **20230185-31<br>20230185-32** | **2.6 % Chrysotile<br>NA/PS** | **NA<br>NA** | **Y** |
| **Brick Pattern Floor Covering** | **Room 208-23** | **M** | **20230185-33<br>20230185-34** | **4.2% Chrysotile<br>NA/PS** | **NA<br>NA** | **Y** |
| Light Tan Floor Covering | Room 217-10B | M | 20230185-35<br>20230185-37 | NAD<br>NAD | NAD<br>NAD | N |

# HOMOGENEOUS MATERIALS LIST
# PRE-RENOVATION SURVEY
# MOON STREET RENOVATION PROJECT
# FINGER LAKES DDSO
# 620 WESTFALL ROAD
# ROCHESTER, NEW YORK

| Material Description | Sample Location | Type | Sample Number | Results (% Asbestos) | | ACM |
|---|---|---|---|---|---|---|
| | | | | PLM | TEM | Y/N |
| Tan Mastic/Leveler | Room 217-10B | M | 20230185-36 | NAD | NAD | N |
| | Room 217-10B | | 20230185-38 | NAD | NAD | |
| | Room 208-16A | | 20230185-46L1 | <1% Chrysotile | Trace Chrysotile | |
| | Room 208-16A | | 20230185-46L2 | NAD | NAD | |
| | Room 208-16A | | 20230185-48L1 | NAD | NAD | |
| | Room 208-16A | | 20230185-48L2 | NAD | NA | |
| | Room 208-5B | | 20230185-51L1 | NAD | NAD | |
| | Room 208-5B | | 20230185-51L2 | NAD | NA | |
| | Room 208-5B | | 20230185-52L1 | NAD | NAD | |
| | Room 208-5B | | 20230185-52L2 | NAD | NA | |
| **Tan Carpet Mastic** | **Room 208-19** | **M** | **20230185-39** | **4.9% Chrysotile** | **NA** | **Y** |
| | **Room 208-18** | | **20230185-41** | **NA/PS** | **NA** | |
| | **Room 223-1** | | **20230185-53** | **0.3% Chrysotile** | **Trace Chrysotile** | |
| | **Room 223** | | **20230185-54** | **<0.3% Chrysotile** | **Trace Chrysotile** | |
| | **Room 223-26** | | **20230185-55** | **NAD** | **NAD** | |
| | **Room 223-29** | | **20230185-56** | **NAD** | **NAD** | |
| **Cream Flooring** | **Room 208-19** | **M** | **20230185-40** | **6.8% Chrysotile** | **NA** | **Y** |
| | **Room 208-18** | | **20230185-42** | **NA/PS** | **NA** | |
| Dark Wood Floor Covering | Room 208-11B | M | 20230185-43 | NAD | NAD | N |
| | | | 20230185-44 | NAD | NAD | |

# HOMOGENEOUS MATERIALS LIST
# PRE-RENOVATION SURVEY
# MOON STREET RENOVATION PROJECT
# FINGER LAKES DDSO
# 620 WESTFALL ROAD
# ROCHESTER, NEW YORK

| Material Description | Sample Location | Type | Sample Number | Results (% Asbestos) | | ACM |
|---|---|---|---|---|---|---|
| | | | | PLM | TEM | Y/N |
| Light Wood Floor Covering | Room 208-16A | M | 20230185-45<br>20230185-47 | NAD<br>NAD | NAD<br>NAD | N |
| White Wall Carpet Mastic | Room 209<br>Room 232 | M | 20230185-49<br>20230185-50 | NAD<br>NAD | NAD<br>NAD | N |
| White Shower Caulk | Room 217-5A<br>Room 201-10A | M | 20230185-57<br>20230185-58 | NAD<br>NAD | NAD<br>NAD | N |
| White Sink Caulk | Room 217-23<br>Room 201-23 | M | 20230185-59<br>20230185-60 | NAD<br>NAD | NAD<br>NAD | N |
| Dot & Fissure Ceiling Tile | Room 215A | M | 20230185-61<br>20230185-62 | NAD<br>NAD | NAD<br>NAD | N |
| Smooth Fissure Ceiling Tile | Room 215A | M | 20230185-63<br>20230185-64 | NAD<br>NAD | NAD<br>NAD | N |
| Tan Mastic/Wood | Room 208-4 Behind Rubber Wall<br>Room 223-4 Behind Rubber Wall | M | 20230185-65<br>20230185-66 | NAD<br>NAD | NAD<br>NAD | N |
| Brown/Grey Coating | Room 223-24 on Walls<br>Room 201-24 on Walls | M | 20230185-67<br>20230185-68 | NAD<br>NAD | NAD<br>NAD | N |
| Black Cove Base | Room 230<br>Room 208-17 | M | 20230185-69<br>20230185-71 | NAD<br>NAD | NAD<br>NAD | N |
| Tan Cove Mastic | Room 230<br>Room 208-17 | M | 20230185-70<br>20230185-72 | NAD<br>NAD | NAD<br>NAD | N |

# HOMOGENEOUS MATERIALS LIST
# PRE-RENOVATION SURVEY
# MOON STREET RENOVATION PROJECT
# FINGER LAKES DDSO
# 620 WESTFALL ROAD
# ROCHESTER, NEW YORK

| Material Description | Sample Location | Type | Sample Number | Results (% Asbestos) | | ACM |
|---|---|---|---|---|---|---|
| | | | | PLM | TEM | Y/N |
| Tan Wall Paneling Mastic | Room 223-15 | M | 20230185-73 | NAD | NAD | N |
| | | | 20230185-74 | NAD | NAD | |
| Red Exhaust Caulk | Room 208-27 | M | 20230185-75 | NAD | NAD | N |
| | Room 223-27 | | 20230185-76 | NAD | NAD | |
| White Counter Caulk | Room 217-3B | M | 20230185-77 | NAD | NAD | N |
| | Room 208-3B | | 20230185-78 | NAD | NAD | |
| White Sealant on Pipe Endcap | Room 207 | M | 20230185-79 | NAD | NAD | N |
| | Room 224 | | 20230185-80 | NAD | NAD | |
| Fiberglass Pipe Wrap | Room 207 | M | 20230185-81 | NAD | NA | N |
| | Hallway 232 | | 20230185-82 | NAD | NA | |
| Fiberglass Duct Wrap | Room 207 | M | 20230185-83 | NAD | NA | N |
| | Room 223-28 | | 20230185-84 | NAD | NA | |
| Mudded Pipe Fitting | Mech Room 224 | T | 20230185-85 | NAD | NA | N |
| | Mech Room 207 | | 20230185-86 | NAD | NA | |
| | Mech Room 224 | | 20230185-87 | NAD | NA | |
| Tan Ceramic Wall Mastic | Room 223-21 | M | 20230185-88 | NAD | NAD | N |
| | Room 208-21 | | 20230185-89 | NAD | NAD | |
| White Ceramic Wall Grout | Room 208-21 | M | 20230185-90 | NAD | NA | N |
| | Room 223-21 | | 20230185-91 | NAD | NA | |

# HOMOGENEOUS MATERIALS LIST
# PRE-RENOVATION SURVEY
# MOON STREET RENOVATION PROJECT
# FINGER LAKES DDSO
# 620 WESTFALL ROAD
# ROCHESTER, NEW YORK

| Material Description | Sample Location | Type | Sample Number | Results (% Asbestos) | | ACM |
|---|---|---|---|---|---|---|
| | | | | PLM | TEM | Y/N |
| Grey Ceramic Floor Grout | Room 223-27 | M | 20230185-92 | NAD | NA | N |
| | Room 208-24 | | 20230185-94 | NAD | NA | |
| Grey Ceramic Floor Cement | Room 223-27 | M | 20230185-93 | NAD | NA | N |
| | Room 208-24 | | 20230185-95 | NAD | NA | |
| Grey Ceramic Floor Grout | Room 208-25 | M | 20230185-96 | NAD | NA | N |
| | Room 223-25 | | 20230185-98 | NAD | NA | |
| Grey Ceramic Floor Cement | Room 208-25 | M | 20230185-97 | NAD | NA | N |
| | Room 223-25 | | 20230185-99 | NAD | NA | |
| White Wall Plaster Skim Coat | Room 208-26A | S | 20230185-100 | NAD | NA | N |
| | Room 201-16A | | 20230185-102 | NAD | NA | |
| | Room 201-26 | | 20230185-104 | NAD | NA | |
| | Room 201-15B | | 20230185-106 | NAD | NA | |
| | Room 217-14 | | 20230185-110 | NAD | NA | |
| | Room 217-26 | | 20230185-112 | NAD | NA | |
| | Room 214 | | 20230185-114 | NAD | NA | |

# HOMOGENEOUS MATERIALS LIST
# PRE-RENOVATION SURVEY
# MOON STREET RENOVATION PROJECT
# FINGER LAKES DDSO
# 620 WESTFALL ROAD
# ROCHESTER, NEW YORK

| Material Description | Sample Location | Type | Sample Number | Results (% Asbestos) | | ACM |
|---|---|---|---|---|---|---|
| | | | | PLM | TEM | Y/N |
| Grey Wall Plaster Base Coat | Room 208-26A | S | 20230185-101 | NAD | NA | N |
| | Room 201-16A | | 20230185-103 | NAD | NA | |
| | Room 201-26 | | 20230185-105 | NAD | NA | |
| | Room 201-15B | | 20230185-107 | NAD | NA | |
| | Room 217-14 | | 20230185-111 | NAD | NA | |
| | Room 217-26 | | 20230185-113 | NAD | NA | |
| | Room 214 | | 20230185-115 | NAD | NA | |
| Grey Window Glazing Compound | Room 223-6 | M | 20230185-108 | NAD | NAD | N |
| | Room 223-7 | | 20230185-109 | NAD | NAD | |
| White Wall Texture | Room 208-3B | S | 20230185-116 | NAD | NA | N |
| | Room 208-9 | | 20230185-117 | NAD | NA | |
| | Room 201-26 | | 20230185-118 | NAD | NA | |
| | Room 201-3 | | 20230185-119 | NAD | NA | |
| | Room 208-20 | | 20230185-120 | NAD | NA | |
| | Room 217-25 | | 20230185-121 | NAD | NA | |
| | Room 217-9 | | 20230185-122 | NAD | NA | |
| Exterior Brick Mortar | 223 Wing | M | 20230185-123 | NAD | NA | N |
| | 201 Wing | | 20230185-124 | NAD | NA | |
| Exterior Dark Brown/Grey Window Caulk | By 217-14 | M | 20230185-125 | NAD | NAD | N |
| | By 208-9 | | 20230185-126 | NAD | NAD | |

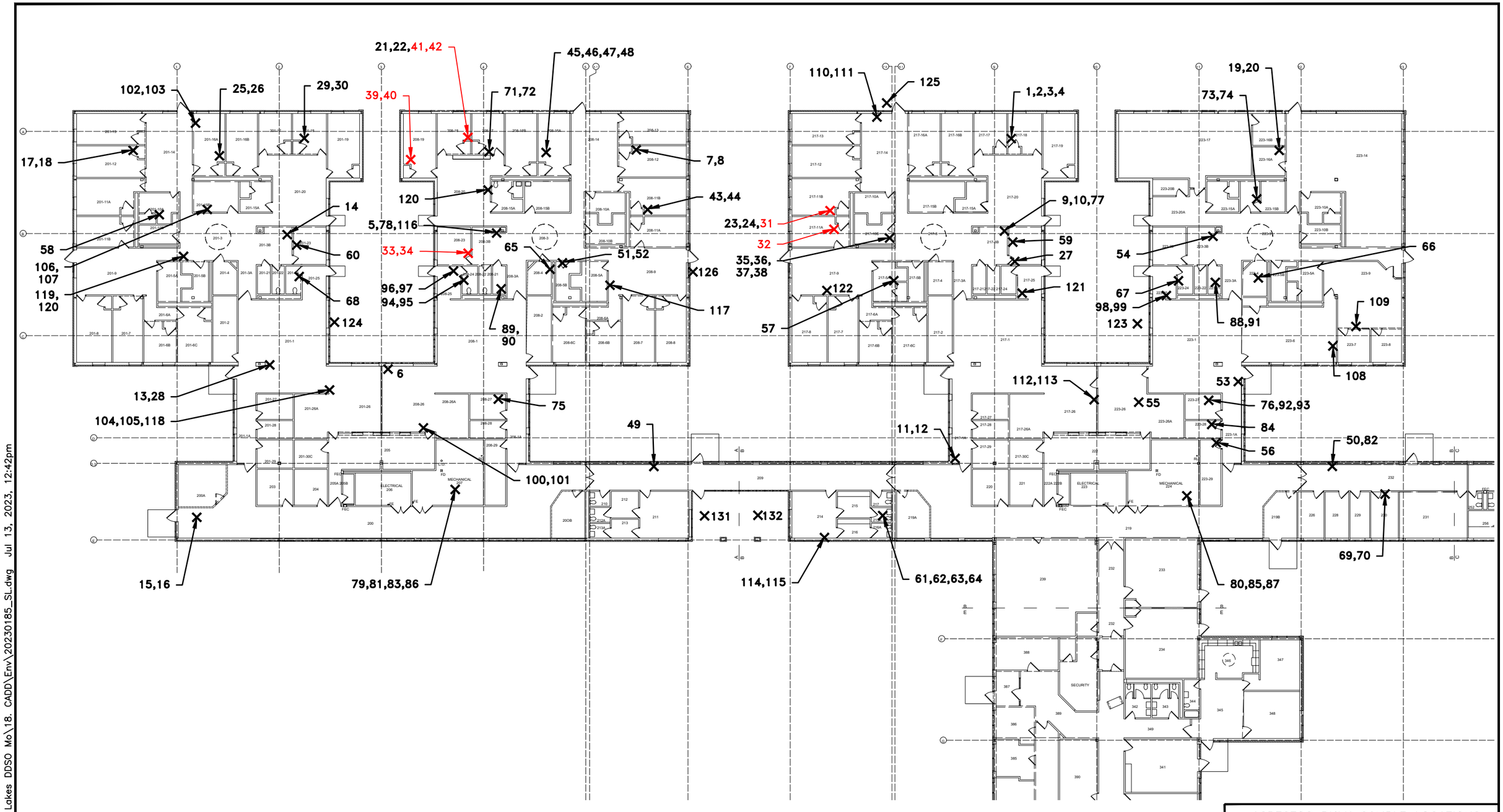
# HOMOGENEOUS MATERIALS LIST
# PRE-RENOVATION SURVEY
# MOON STREET RENOVATION PROJECT
# FINGER LAKES DDSO
# 620 WESTFALL ROAD
# ROCHESTER, NEW YORK

| Material Description | Sample Location | Type | Sample Number | Results (% Asbestos) | | ACM |
|---|---|---|---|---|---|---|
| | | | | PLM | TEM | Y/N |
| White Skylight Caulk | Roof of 223 Wing | M | 20230185-127 | NAD | NAD | N |
| | Roof of 208 Wing | | 20230185-128 | NAD | NAD | |
| Grey Pipe Caulk | Where Pipe Meets Shed – 223 Wing | M | 20230185-129 | NAD | NAD | N |
| | Where Pipe Meets Shed – 208 Wing | | 20230185-130 | NAD | NAD | |
| Grey Cementitious Ceiling | Exterior Overhang by Room 211 | M | 20230185-131 | NAD | NA | N |
| | | | 20230185-132 | NAD | NA | |
| Silver/Black Coating | 223 Wing Roof, Top of Vent | M | 20230185-133 | NAD | NAD | N |
| | | | 20230185-134 | NAD | NAD | |
| Grey Firestop | 206 Wing Roof | M | 20230185-135 | NAD | NAD | N |
| | | | 20230185-136 | NAD | NAD | |
| | | | 20230185-137 | NAD | NAD | |
| Black Flashing Tar | 217 Wing Roof, Behind Rubber Flashing at Wall | M | 20230185-138 | NAD | NAD | N |
| | | | 20230185-139 | NAD | NAD | |
| Black Roof Tar | 217 Wing Roof on Metal Deck | M | 20230185-140 | NAD | NAD | N |
| | | | 20230185-141 | NAD | NAD | |
| Brown/Silver Vapor Barrier Paper | 217 Wing Roof | M | 20230185-142 | NAD | NA | N |
| | | | 20230185-143 | NAD | NA | |
| Black Roofing | 223 Wing Roof | M | 20230185-144 | NAD | NAD | N |
| | 208 Wing Roof | | 20230185-145 | NAD | NAD | |

| Results Abbreviations | Type | ACM |
|---|---|---|
| NA = Not analyzed. | M = Miscellaneous | Y = Yes |
| NA/PS = Not analyzed/positive stop. | S = Surfacing | N = No |
| NAD = No asbestos detected. | T = Thermal System Insulation | |

**Bolded rows indicate asbestos-containing materials.**

# 2.1 – ASBESTOS SAMPLE LOCATION DRAWINGS




INTERIOR PLAN

ALL SAMPLES ARE PREFIXED BY **230185–**

SAMPLES WERE COLLECTED ON MAY 26 & 30, 2023.

✕ INDICATES APPROXIMATE SAMPLE LOCATION

✕ SAMPLE NUMBERS IN RED WERE IDENTIFIED TO BE ACM.

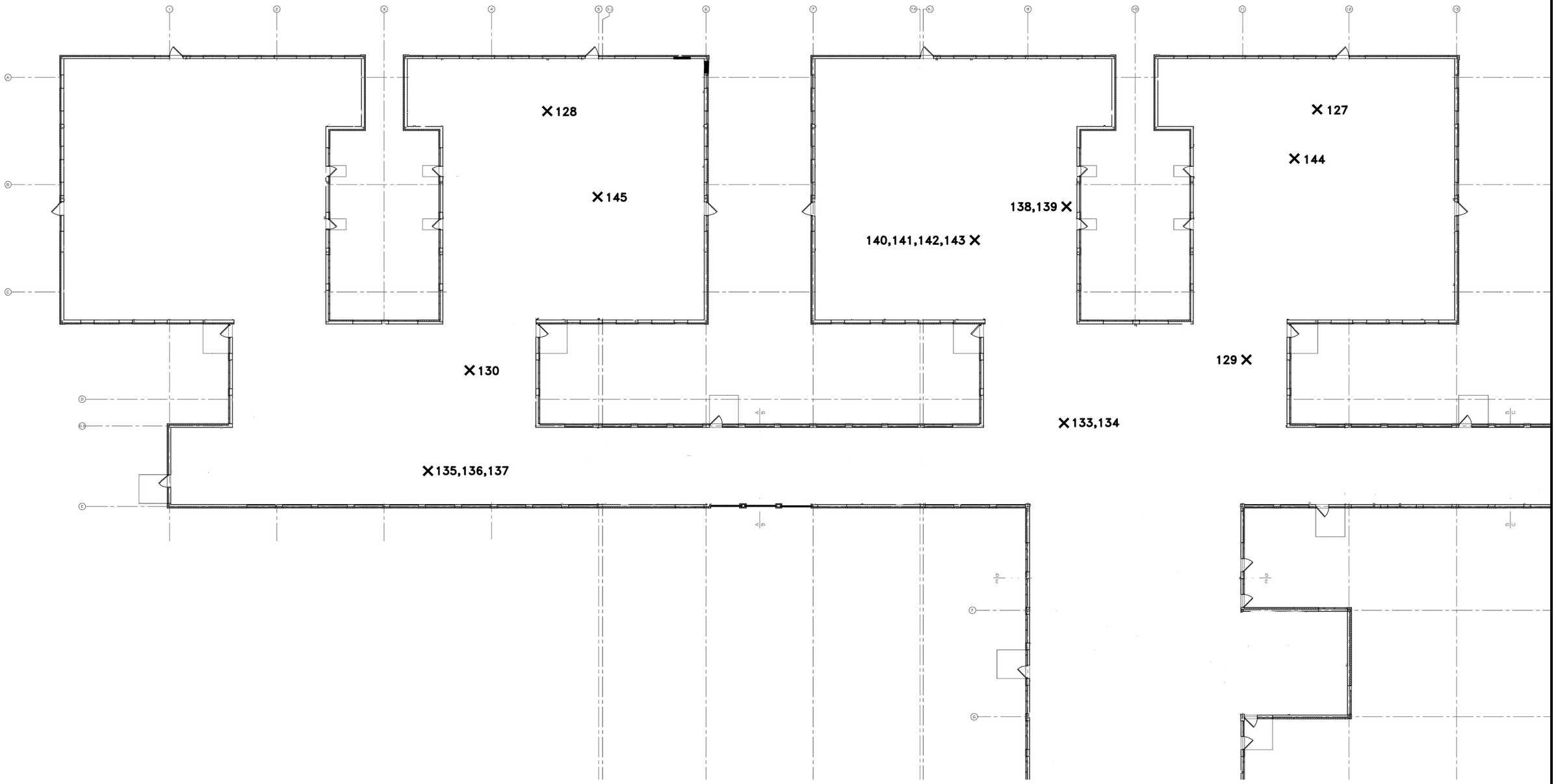
ASBESTOS BULK SAMPLE LOCATIONS
MOON STREET RENOVATION PROJECT
INTERIOR PLAN

Watts Architects &Engineers
95 Perry Street, Suite 300
Buffalo, NY 14203

FINGER LAKES DDSO
620 WESTFALL ROAD
ROCHESTER, NEW YORK

NOT TO SCALE | JULY 2023

R:\2023\20230185 Finger Lakes DDSO Mo\18. CADD\Env\20230185_SL.dwg Jul 13, 2023, 12:42pm




ROOF PLAN

ALL SAMPLES ARE PREFIXED BY **230185–**

SAMPLES WERE COLLECTED ON MAY 31, 2023.

✕ INDICATES APPROXIMATE SAMPLE LOCATION

✕ SAMPLE NUMBERS IN RED WERE IDENTIFIED TO BE ACM.

Watts Architects &Engineers
95 Perry Street, Suite 300
Buffalo, NY 14203

ASBESTOS BULK SAMPLE LOCATIONS
MOON STREET RENOVATION PROJECT
ROOF PLAN

FINGER LAKES DDSO
620 WESTFALL ROAD
ROCHESTER, NEW YORK

NOT TO SCALE | JULY 2023

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# 2.2 – ASBESTOS LABORATORY REPORTS AND CHAIN-OF-CUSTODY FORMS

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

# PLM Bulk Asbestos Report

Watts Architecture & Engineers
Attn: Ted Knapp
95 Perry Street
Suite 300
Buffalo, NY 14203

**Date Received** 06/01/23
**Date Examined** 06/06/23
**ELAP #** 10984

**AmeriSci Job #** 123061030
**P.O. #**
**Page** 1 **of** 30

**RE:** 20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-01<br>1 | 123061030-01<br>**Location:** Brown 12x12 Floor Tile; Room 217-18 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** Tan, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 9.3%
**Comment:** Heat Sensitive (organic): 15.9%; Acid Soluble (inorganic): 74.7%; Inert (Non-asbestos): 9.3%

| | | | |
|---|---|---|---|
| 20230185-02<br>2 | 123061030-02<br>**Location:** Tan Floor Tile Mastic; Room 217-18 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** Yellow, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 10%
**Comment:** Heat Sensitive (organic): 51.7%; Acid Soluble (inorganic): 37.9%; Inert (Non-asbestos): 10.4%

| | | | |
|---|---|---|---|
| 20230185-03<br>1 | 123061030-03<br>**Location:** Brown 12x12 Floor Tile; Room 217-18 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** Tan, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 6.2%
**Comment:** Heat Sensitive (organic): 16.9%; Acid Soluble (inorganic): 76.9%; Inert (Non-asbestos): 6.2%

| | | | |
|---|---|---|---|
| 20230185-04<br>2 | 123061030-04<br>**Location:** Tan Floor Tile Mastic; Room 217-18 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** Yellow, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 0.0%
**Comment:** Heat Sensitive (organic): 50.6%; Acid Soluble (inorganic): 49.4%

See Reporting notes on last page

# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-05<br>3 | 123061030-05<br>**Location:** Light Tan 12x12 Floor Tile; Room 208-3 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** Tan, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 29%
**Comment:** Heat Sensitive (organic): 16.4%; Acid Soluble (inorganic): 53.8%; Inert (Non-asbestos): 29.8%

| | | | |
|---|---|---|---|
| 20230185-06<br>3 | 123061030-06<br>**Location:** Light Tan 12x12 Floor Tile; Room 208-26 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** Tan, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 27%
**Comment:** Heat Sensitive (organic): 15.8%; Acid Soluble (inorganic): 57.1%; Inert (Non-asbestos): 27.1%

| | | | |
|---|---|---|---|
| 20230185-07<br>4 | 123061030-07<br>**Location:** Blue 12 x12 Floor Tile; Room 208-11B | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** Blue, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 34%
**Comment:** Heat Sensitive (organic): 16.7%; Acid Soluble (inorganic): 49.2%; Inert (Non-asbestos): 34.1%

| | | | |
|---|---|---|---|
| 20230185-08<br>4 | 123061030-08<br>**Location:** Blue 12 x12 Floor Tile; Room 208-11B | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** Blue, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 23%
**Comment:** Heat Sensitive (organic): 16.7%; Acid Soluble (inorganic): 60.0%; Inert (Non-asbestos): 23.2%

| | | | |
|---|---|---|---|
| 20230185-09<br>5 | 123061030-09<br>**Location:** Light Grey 12x12 Floor Tile; Room 217-38 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 34%
**Comment:** Heat Sensitive (organic): 17.3%; Acid Soluble (inorganic): 48.7%; Inert (Non-asbestos): 34.0%

See Reporting notes on last page

# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-106 | 123061030-10 | ***No*** | NAD (NOB by NYS ELAP 198.6) by Tou Si Anothay on 06/06/23 |

**Location:** Tan Floor Tile Mastic; Room 217-38

**Analyst Description:** Brown, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 30%
**Comment:** Heat Sensitive (organic): 32.7%; Acid Soluble (inorganic): 37.0%; Inert (Non-asbestos): 30.3%

| | | | |
|---|---|---|---|
| 20230185-115 | 123061030-11 | ***No*** | NAD (NOB by NYS ELAP 198.6) by Tou Si Anothay on 06/06/23 |

**Location:** Light Grey 12x12 Floor Tile; Room 217-1

**Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 27%
**Comment:** Heat Sensitive (organic): 17.4%; Acid Soluble (inorganic): 55.1%; Inert (Non-asbestos): 27.5%

| | | | |
|---|---|---|---|
| 20230185-126 | 123061030-12 | ***No*** | NAD (NOB by NYS ELAP 198.6) by Tou Si Anothay on 06/06/23 |

**Location:** Tan Floor Tile Mastic; Room 217-1

**Analyst Description:** Brown, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 31%
**Comment:** Heat Sensitive (organic): 34.8%; Acid Soluble (inorganic): 34.0%; Inert (Non-asbestos): 31.2%

| | | | |
|---|---|---|---|
| 20230185-137 | 123061030-13 | ***No*** | NAD (NOB by NYS ELAP 198.6) by Tou Si Anothay on 06/06/23 |

**Location:** Teal 12x12 Floor Tile; Room 201-1

**Analyst Description:** Green, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 22%
**Comment:** Heat Sensitive (organic): 15.1%; Acid Soluble (inorganic): 62.7%; Inert (Non-asbestos): 22.2%

| | | | |
|---|---|---|---|
| 20230185-147 | 123061030-14 | ***No*** | NAD (NOB by NYS ELAP 198.6) by Tou Si Anothay on 06/06/23 |

**Location:** Teal 12x12 Floor Tile; Room 201-3

**Analyst Description:** Green, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 32%
**Comment:** Heat Sensitive (organic): 15.0%; Acid Soluble (inorganic): 52.6%; Inert (Non-asbestos): 32.5%

See Reporting notes on last page

# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-158 | 123061030-15 | ***No*** | NAD (NOB by NYS ELAP 198.6) by Tou Si Anothay on 06/06/23 |

**Location:** White 12x12 Spec Floor Tile; Room 200

**Analyst Description:** Beige, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 27%
**Comment:** Heat Sensitive (organic): 16.5%; Acid Soluble (inorganic): 55.9%; Inert (Non-asbestos): 27.6%

| | | | |
|---|---|---|---|
| 20230185-168 | 123061030-16 | ***No*** | NAD (NOB by NYS ELAP 198.6) by Tou Si Anothay on 06/06/23 |

**Location:** White 12x12 Spec Floor Tile; Room 200

**Analyst Description:** Beige, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 47%
**Comment:** Heat Sensitive (organic): 16.0%; Acid Soluble (inorganic): 37.0%; Inert (Non-asbestos): 47.0%

| | | | |
|---|---|---|---|
| 20230185-179 | 123061030-17 | ***No*** | NAD (NOB by NYS ELAP 198.6) by Tou Si Anothay on 06/06/23 |

**Location:** White/Grey 12x12 Floor Tile; Room 201-12

**Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 31%
**Comment:** Heat Sensitive (organic): 14.2%; Acid Soluble (inorganic): 54.2%; Inert (Non-asbestos): 31.6%

| | | | |
|---|---|---|---|
| 20230185-189 | 123061030-18 | ***No*** | NAD (NOB by NYS ELAP 198.6) by Tou Si Anothay on 06/06/23 |

**Location:** White/Grey 12x12 Floor Tile; Room 201-12

**Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 31%
**Comment:** Heat Sensitive (organic): 14.5%; Acid Soluble (inorganic): 54.1%; Inert (Non-asbestos): 31.5%

| | | | |
|---|---|---|---|
| 20230185-1910 | 123061030-19 | ***No*** | NAD (NOB by NYS ELAP 198.6) by Tou Si Anothay on 06/06/23 |

**Location:** White/Blue 12x12 Floor Tile; Room 223-16A

**Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 57%
**Comment:** Heat Sensitive (organic): 14.9%; Acid Soluble (inorganic): 27.6%; Inert (Non-asbestos): 57.6%

See Reporting notes on last page

# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-206 | 123061030-20 | ***No*** | NAD (NOB by NYS ELAP 198.6) by Tou Si Anothay on 06/06/23 |

**Location:** Tan Floor Tile Mastic; Room 223-16A

**Analyst Description:** Yellow, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 31%
**Comment:** Heat Sensitive (organic): 55.6%; Acid Soluble (inorganic): 12.7%; Inert (Non-asbestos): 31.7%

| | | | |
|---|---|---|---|
| 20230185-2110 | 123061030-21 | ***No*** | NAD (NOB by NYS ELAP 198.6) by Tou Si Anothay on 06/06/23 |

**Location:** White/Blue 12x12 Floor Tile; Room 208-18

**Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 9.4%
**Comment:** Heat Sensitive (organic): 14.2%; Acid Soluble (inorganic): 76.4%; Inert (Non-asbestos): 9.4%

| | | | |
|---|---|---|---|
| 20230185-226 | 123061030-22 | ***No*** | NAD (NOB by NYS ELAP 198.6) by Tou Si Anothay on 06/06/23 |

**Location:** Tan Floor Tile Mastic; Room 208-18

**Analyst Description:** Yellow, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 26%
**Comment:** Heat Sensitive (organic): 45.7%; Acid Soluble (inorganic): 27.9%; Inert (Non-asbestos): 26.4%

| | | | |
|---|---|---|---|
| 20230185-2311 | 123061030-23 | ***No*** | NAD (NOB by NYS ELAP 198.6) by Tou Si Anothay on 06/06/23 |

**Location:** Multi-Color Spec 12 x12 Floor Tile; Room 217-11B

**Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 4.7%
**Comment:** Heat Sensitive (organic): 19.6%; Acid Soluble (inorganic): 75.7%; Inert (Non-asbestos): 4.7%

| | | | |
|---|---|---|---|
| 20230185-246 | 123061030-24 | ***No*** | NAD (NOB by NYS ELAP 198.6) by Tou Si Anothay on 06/06/23 |

**Location:** Tan Floor Tile Mastic; Room 217-11B

**Analyst Description:** Yellow, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 0.2%
**Comment:** Heat Sensitive (organic): 69.6%; Acid Soluble (inorganic): 30.2%; Inert (Non-asbestos): 0.2%

See Reporting notes on last page

# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-25<br>11 | 123061030-25<br>**Location:** Multi-Color Spec 12 x12 Floor Tile; Room 201-16 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:**<br>**Other Material:** Non-Asbestos 8.9%<br>**Comment:** Heat Sensitive (organic): 15.8%; Acid Soluble (inorganic): 75.3%; Inert (Non-asbestos): 8.9% | | | |
| 20230185-26<br>6 | 123061030-26<br>**Location:** Tan Floor Tile Mastic; Room 201-16 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Yellow, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:**<br>**Other Material:** Non-Asbestos 8.6%<br>**Comment:** Heat Sensitive (organic): 51.0%; Acid Soluble (inorganic): 40.5%; Inert (Non-asbestos): 8.6% | | | |
| 20230185-27<br>12 | 123061030-27<br>**Location:** Grey Floor Covering; Room 217-23 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:**<br>**Other Material:** Non-Asbestos 11%<br>**Comment:** Heat Sensitive (organic): 39.4%; Acid Soluble (inorganic): 48.9%; Inert (Non-asbestos): 11.7% | | | |
| 20230185-28<br>12 | 123061030-28<br>**Location:** Grey Floor Covering; Room 201-1 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:**<br>**Other Material:** Non-Asbestos 15%<br>**Comment:** Heat Sensitive (organic): 39.9%; Acid Soluble (inorganic): 44.6%; Inert (Non-asbestos): 15.4% | | | |
| 20230185-29<br>13 | 123061030-29<br>**Location:** Blue Floor Covering; Room 201-18 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Gray/Blue, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:**<br>**Other Material:** Non-Asbestos 8.4%<br>**Comment:** Heat Sensitive (organic): 79.2%; Acid Soluble (inorganic): 12.4%; Inert (Non-asbestos): 8.4% | | | |

See Reporting notes on last page

# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-30<br>13 | 123061030-30<br>**Location:** Blue Floor Covering; Room 201-18 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Gray/Blue, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:**<br>**Other Material:** Non-Asbestos 6.0%<br>**Comment:** Heat Sensitive (organic): 84.7%; Acid Soluble (inorganic): 9.4%; Inert (Non-asbestos): 6.0% | | | |
| 20230185-31<br>14 | 123061030-31<br>**Location:** Blue/Tan Floor Covering; Room 217-11B | ***Yes*** | 2.6%<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Tan, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:** Chrysotile 2.6%<br>**Other Material:** Non-Asbestos 28%<br>**Comment:** Heat Sensitive (organic): 32.8%; Acid Soluble (inorganic): 35.8%; Inert (Non-asbestos): 28.9% | | | |
| 20230185-32<br>14 | 123061030-32<br>**Location:** Blue/Tan Floor Covering; Room 217-11A | | NA/PS |
| **Analyst Description:** Bulk Material<br>**Asbestos Types:**<br>**Other Material:**<br>**Comment:** Heat Sensitive (organic): 37.0%; Acid Soluble (inorganic): 41.6%; Inert (Non-asbestos): 21.4% | | | |
| 20230185-33<br>15 | 123061030-33<br>**Location:** Brick Pattern Floor Covering; Room 208-23 | ***Yes*** | 4.2%<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Red, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:** Chrysotile 4.2%<br>**Other Material:** Non-Asbestos 14%<br>**Comment:** Heat Sensitive (organic): 38.1%; Acid Soluble (inorganic): 43.2%; Inert (Non-asbestos): 14.6% | | | |
| 20230185-34<br>15 | 123061030-34<br>**Location:** Brick Pattern Floor Covering; Room 208-23 | | NA/PS |
| **Analyst Description:** Bulk Material<br>**Asbestos Types:**<br>**Other Material:**<br>**Comment:** Heat Sensitive (organic): 36.5%; Acid Soluble (inorganic): 45.6%; Inert (Non-asbestos): 17.9% | | | |

See Reporting notes on last page

# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-35<br>16 | 123061030-35<br>**Location:** Light Tan Floor Covering; Room 217-10B | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** Beige, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 1.7%
**Comment:** Heat Sensitive (organic): 56.1%; Acid Soluble (inorganic): 42.1%; Inert (Non-asbestos): 1.7%

| | | | |
|---|---|---|---|
| 20230185-36<br>17 | 123061030-36<br>**Location:** Tan Mastic/Leveler; Room 217-10B | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** Beige, Heterogeneous, Non-Fibrous, Composite
**Asbestos Types:**
**Other Material:** Non-Asbestos 51%
**Comment:** Heat Sensitive (organic): 21.1%; Acid Soluble (inorganic): 27.4%; Inert (Non-asbestos): 51.4%

| | | | |
|---|---|---|---|
| 20230185-37<br>16 | 123061030-37<br>**Location:** Light Tan Floor Covering; Room 217-10B | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** Beige, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 1.3%
**Comment:** Heat Sensitive (organic): 58.8%; Acid Soluble (inorganic): 39.9%; Inert (Non-asbestos): 1.3%

| | | | |
|---|---|---|---|
| 20230185-38<br>17 | 123061030-38<br>**Location:** Tan Mastic/Leveler; Room 217-10B | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** Yellow, Heterogeneous, Non-Fibrous, Composite
**Asbestos Types:**
**Other Material:** Non-Asbestos 45%
**Comment:** Heat Sensitive (organic): 26.3%; Acid Soluble (inorganic): 28.2%; Inert (Non-asbestos): 45.5%

| | | | |
|---|---|---|---|
| 20230185-39<br>18 | 123061030-39<br>**Location:** Tan Carpet Mastic; Room 208-19 | ***Yes*** | 4.9%<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** Yellow, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:** Chrysotile 4.9%
**Other Material:** Non-Asbestos 55%
**Comment:** Heat Sensitive (organic): 33.4%; Acid Soluble (inorganic): 6.3%; Inert (Non-asbestos): 55.4%

See Reporting notes on last page

# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-40<br>19 | 123061030-40<br>**Location:** Cream Flooring; Room 208-19 | ***Yes*** | 6.8%<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Orange, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:** Chrysotile 6.8%<br>**Other Material:** Non-Asbestos 10%<br>**Comment:** Heat Sensitive (organic): 39.1%; Acid Soluble (inorganic): 44.0%; Inert (Non-asbestos): 10.1% | | | |
| 20230185-41<br>18 | 123061030-41<br>**Location:** Tan Carpet Mastic; Room 208-18 | | NA/PS |
| **Analyst Description:** Bulk Material<br>**Asbestos Types:**<br>**Other Material:**<br>**Comment:** Heat Sensitive (organic): 40.8%; Acid Soluble (inorganic): 39.7%; Inert (Non-asbestos): 19.5% | | | |
| 20230185-42<br>19 | 123061030-42<br>**Location:** Cream Flooring; Room 208-18 | | NA/PS |
| **Analyst Description:** Bulk Material<br>**Asbestos Types:**<br>**Other Material:**<br>**Comment:** Heat Sensitive (organic): 35.7%; Acid Soluble (inorganic): 40.4%; Inert (Non-asbestos): 23.9% | | | |
| 20230185-43<br>20 | 123061030-43<br>**Location:** Dark Wood Floor Covering; Room 208-11B | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |
| **Analyst Description:** Brown, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 4.5%<br>**Comment:** Heat Sensitive (organic): 78.1%; Acid Soluble (inorganic): 17.4%; Inert (Non-asbestos): 4.5% | | | |
| 20230185-44<br>20 | 123061030-44<br>**Location:** Dark Wood Floor Covering; Room 208-11B | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |
| **Analyst Description:** Brown, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 10%<br>**Comment:** Heat Sensitive (organic): 79.5%; Acid Soluble (inorganic): 10.5%; Inert (Non-asbestos): 10.0% | | | |

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# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-45<br>21 | 123061030-45<br>**Location:** Light Wood Floor Covering; Room 208-16A | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |
| **Analyst Description:** Brown, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 5.0%<br>**Comment:** Heat Sensitive (organic): 61.4%; Acid Soluble (inorganic): 33.5%; Inert (Non-asbestos): 5.0% | | | |
| 20230185-46<br>22 | 123061030-46L1<br>**Location:** Tan Mastic/Leveler; Room 208-16A | ***Yes*** | Trace (<1.0 %)<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |
| **Analyst Description:** Yellow, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:** Chrysotile <1. % pc<br>**Other Material:** Non-fibrous 0.2%<br>**Comment:** Heat Sensitive (organic): 74.0%; Acid Soluble (inorganic): 25.8%; Inert (Non-asbestos): 0.2% | | | |
| 20230185-46<br>22 | 123061030-46L2<br>**Location:** Tan Mastic/Leveler; Room 208-16A | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Leveler<br>**Asbestos Types:**<br>**Other Material:** Cellulose 25%, Non-fibrous 75% | | | |
| 20230185-47<br>21 | 123061030-47<br>**Location:** Light Wood Floor Covering; Room 208-16A | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |
| **Analyst Description:** Brown, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 3.0%<br>**Comment:** Heat Sensitive (organic): 61.3%; Acid Soluble (inorganic): 35.7%; Inert (Non-asbestos): 3.0% | | | |
| 20230185-48<br>22 | 123061030-48L1<br>**Location:** Tan Mastic/Leveler; Room 208-16A | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |
| **Analyst Description:** Yellow, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 3.0%<br>**Comment:** Heat Sensitive (organic): 58.3%; Acid Soluble (inorganic): 38.7%; Inert (Non-asbestos): 3.0% | | | |

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# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-48<br>22 | 123061030-48L2<br>**Location:** Tan Mastic/Leveler; Room 208-16A | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Leveler<br>**Asbestos Types:**<br>**Other Material:** Cellulose 25%, Non-fibrous 75% | | | |
| 20230185-49<br>23 | 123061030-49<br>**Location:** White Wall Carpet Mastic; Room 209 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |
| **Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 42%<br>**Comment:** Heat Sensitive (organic): 45.2%; Acid Soluble (inorganic): 12.3%; Inert (Non-asbestos): 42.4% | | | |
| 20230185-50<br>23 | 123061030-50<br>**Location:** White Wall Carpet Mastic; Room 232 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |
| **Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 0.5%<br>**Comment:** Heat Sensitive (organic): 98.5%; Acid Soluble (inorganic): 1.0%; Inert (Non-asbestos): 0.5% | | | |
| 20230185-51<br>24 | 123061030-51L1<br>**Location:** Tan Carpet Mastic/Leveler; Room 208-5B | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |
| **Analyst Description:** Tan, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 29%<br>**Comment:** Heat Sensitive (organic): 46.7%; Acid Soluble (inorganic): 23.6%; Inert (Non-asbestos): 29.7% | | | |
| 20230185-51<br>24 | 123061030-51L2<br>**Location:** Tan Carpet Mastic/Leveler; Room 208-5B | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Leveler<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |

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# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-52<br>24 | 123061030-52L1<br>**Location:** Tan Carpet Mastic/Leveler; Room 208-5B | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Tan, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 45%
**Comment:** Heat Sensitive (organic): 31.4%; Acid Soluble (inorganic): 23.2%; Inert (Non-asbestos): 45.5%

| | | | |
|---|---|---|---|
| 20230185-52<br>24 | 123061030-52L2<br>**Location:** Tan Carpet Mastic/Leveler; Room 208-5B | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** Gray, Homogeneous, Non-Fibrous, Leveler
**Asbestos Types:**
**Other Material:** Non-fibrous 100%

| | | | |
|---|---|---|---|
| 20230185-53<br>25 | 123061030-53<br>**Location:** Tan Carpet Mastic; Room 223-1 | ***Yes*** | 0.3%<br>(NOB by EPA 600/M4-82-020)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** Tan, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:** Chrysotile 0.3%
**Other Material:** Non-Asbestos 56%
**Comment:** Heat Sensitive (organic): 40.7%; Acid Soluble (inorganic): 2.7%; Inert (Non-asbestos): 56.3%

| | | | |
|---|---|---|---|
| 20230185-54<br>25 | 123061030-54<br>**Location:** Tan Carpet Mastic; Room 223 | ***Yes*** | Trace (<0.3 % pc)<br>(NOB by EPA 600/M4-82-020)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** Tan, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:** Chrysotile <0.3 % pc
**Other Material:** Non-Asbestos 16%
**Comment:** Heat Sensitive (organic): 65.2%; Acid Soluble (inorganic): 18.2%; Inert (Non-asbestos): 16.6%

| | | | |
|---|---|---|---|
| 20230185-55<br>26 | 123061030-55<br>**Location:** Tan Carpet Mastic; Room 223-26 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** Tan, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 38%
**Comment:** Heat Sensitive (organic): 54.3%; Acid Soluble (inorganic): 7.1%; Inert (Non-asbestos): 38.6%

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# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-56<br>26 | 123061030-56<br>**Location:** Tan Carpet Mastic; Room 223-29 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** Tan, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 31%
**Comment:** Heat Sensitive (organic): 55.0%; Acid Soluble (inorganic): 13.3%; Inert (Non-asbestos): 31.8%

| | | | |
|---|---|---|---|
| 20230185-57<br>27 | 123061030-57<br>**Location:** White Shower Caulk; Room 217-5A | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 7.5%
**Comment:** Heat Sensitive (organic): 31.4%; Acid Soluble (inorganic): 61.1%; Inert (Non-asbestos): 7.5%

| | | | |
|---|---|---|---|
| 20230185-58<br>27 | 123061030-58<br>**Location:** White Shower Caulk; Room 201-10A | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-Asbestos 22%
**Comment:** Heat Sensitive (organic): 32.9%; Acid Soluble (inorganic): 44.7%; Inert (Non-asbestos): 22.4%

| | | | |
|---|---|---|---|
| 20230185-59<br>28 | 123061030-59<br>**Location:** White Sink Caulk; Room 217-23 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 2.4%
**Comment:** Heat Sensitive (organic): 58.1%; Acid Soluble (inorganic): 39.4%; Inert (Non-asbestos): 2.4%

| | | | |
|---|---|---|---|
| 20230185-60<br>28 | 123061030-60<br>**Location:** White Sink Caulk; Room 201-23 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 2.7%
**Comment:** Heat Sensitive (organic): 43.9%; Acid Soluble (inorganic): 53.3%; Inert (Non-asbestos): 2.7%

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# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-61<br>29 | 123061030-61<br>**Location:** Dot & Fissure Ceiling Tile; Room 215A | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Beige, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Fibrous glass 4.8%, Non-fibrous 30%
**Comment:** Heat Sensitive (organic): 27.7%; Acid Soluble (inorganic): 37.5%; Inert (Non-asbestos): 34.8%

| | | | |
|---|---|---|---|
| 20230185-62<br>29 | 123061030-62<br>**Location:** Dot & Fissure Ceiling Tile; Room 215A | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Beige, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Fibrous glass 4.3%, Non-fibrous 40%
**Comment:** Heat Sensitive (organic): 26.8%; Acid Soluble (inorganic): 28.8%; Inert (Non-asbestos): 44.3%

| | | | |
|---|---|---|---|
| 20230185-63<br>30 | 123061030-63<br>**Location:** Smooth Fissure Ceiling Tile; Room 215A | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Beige, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 62%
**Comment:** Heat Sensitive (organic): 28.7%; Acid Soluble (inorganic): 9.0%; Inert (Non-asbestos): 62.4%

| | | | |
|---|---|---|---|
| 20230185-64<br>30 | 123061030-64<br>**Location:** Smooth Fissure Ceiling Tile; Room 215A | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Beige, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 61%
**Comment:** Heat Sensitive (organic): 27.9%; Acid Soluble (inorganic): 10.5%; Inert (Non-asbestos): 61.6%

| | | | |
|---|---|---|---|
| 20230185-65<br>31 | 123061030-65<br>**Location:** Tan Mastic/Wood; Room 208-4 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Tan, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 6.3%
**Comment:** Heat Sensitive (organic): 91.8%; Acid Soluble (inorganic): 1.9%; Inert (Non-asbestos): 6.3%

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# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-66<br>31 | 123061030-66<br>**Location:** Tan Mastic/Wood; Room 223-4 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Tan, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 12%
**Comment:** Heat Sensitive (organic): 85.1%; Acid Soluble (inorganic): 2.6%; Inert (Non-asbestos): 12.3%

| | | | |
|---|---|---|---|
| 20230185-67<br>32 | 123061030-67<br>**Location:** Brown/Grey Coating; Room 223-24 on walls | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Brown, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 21%
**Comment:** Heat Sensitive (organic): 33.6%; Acid Soluble (inorganic): 44.9%; Inert (Non-asbestos): 21.5%

| | | | |
|---|---|---|---|
| 20230185-68<br>32 | 123061030-68<br>**Location:** Brown/Grey Coating; Room 201-24 on walls | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Brown, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 17%
**Comment:** Heat Sensitive (organic): 36.8%; Acid Soluble (inorganic): 46.2%; Inert (Non-asbestos): 17.0%

| | | | |
|---|---|---|---|
| 20230185-69<br>33 | 123061030-69<br>**Location:** Black Cove Base; Room 230 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Black, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 0.7%
**Comment:** Heat Sensitive (organic): 44.9%; Acid Soluble (inorganic): 54.4%; Inert (Non-asbestos): 0.7%

| | | | |
|---|---|---|---|
| 20230185-70<br>34 | 123061030-70<br>**Location:** Tan Cove Base; Room 230 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Cream, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 21%
**Comment:** Heat Sensitive (organic): 36.2%; Acid Soluble (inorganic): 42.2%; Inert (Non-asbestos): 21.7%

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# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-71<br>33 | 123061030-71<br>**Location:** Black Cove Base; Room 208-17 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Black, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 1.1%
**Comment:** Heat Sensitive (organic): 28.5%; Acid Soluble (inorganic): 70.4%; Inert (Non-asbestos): 1.1%

| | | | |
|---|---|---|---|
| 20230185-72<br>34 | 123061030-72<br>**Location:** Tan Cove Mastic; Room 208-17 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Cream, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 31%
**Comment:** Heat Sensitive (organic): 56.0%; Acid Soluble (inorganic): 12.4%; Inert (Non-asbestos): 31.6%

| | | | |
|---|---|---|---|
| 20230185-73<br>35 | 123061030-73<br>**Location:** Tan Wall Paneling Mastic; Room 223-15 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Cream, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 25%
**Comment:** Heat Sensitive (organic): 33.9%; Acid Soluble (inorganic): 40.7%; Inert (Non-asbestos): 25.4%

| | | | |
|---|---|---|---|
| 20230185-74<br>35 | 123061030-74<br>**Location:** Tan Wall Paneling Mastic; Room 223-15 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Cream, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 24%
**Comment:** Heat Sensitive (organic): 34.2%; Acid Soluble (inorganic): 41.2%; Inert (Non-asbestos): 24.6%

| | | | |
|---|---|---|---|
| 20230185-75<br>36 | 123061030-75<br>**Location:** Red Exhaust Caulk; Room 208-27 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Red, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Fibrous glass 21%, Non-fibrous 30%
**Comment:** Heat Sensitive (organic): 45.0%; Acid Soluble (inorganic): 3.8%; Inert (Non-asbestos): 51.1%

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# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-76<br>36 | 123061030-76<br>**Location:** Red Exhaust Caulk; Room 223-27 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Red, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 40%
**Comment:** Heat Sensitive (organic): 59.2%; Acid Soluble (inorganic): 0.3%; Inert (Non-asbestos): 40.5%

| | | | |
|---|---|---|---|
| 20230185-77<br>37 | 123061030-77<br>**Location:** White Counter Caulk; Room 217-3B | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 4.0%
**Comment:** Heat Sensitive (organic): 30.8%; Acid Soluble (inorganic): 65.2%; Inert (Non-asbestos): 4.0%

| | | | |
|---|---|---|---|
| 20230185-78<br>37 | 123061030-78<br>**Location:** White Counter Caulk; Room 208-3B | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 4.1%
**Comment:** Heat Sensitive (organic): 31.3%; Acid Soluble (inorganic): 64.6%; Inert (Non-asbestos): 4.1%

| | | | |
|---|---|---|---|
| 20230185-79<br>38 | 123061030-79<br>**Location:** White Sealant On Pipe Endcap; Room 207 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Fibrous glass 10%, Non-fibrous 34%
**Comment:** Heat Sensitive (organic): 33.2%; Acid Soluble (inorganic): 22.0%; Inert (Non-asbestos): 44.8%

| | | | |
|---|---|---|---|
| 20230185-80<br>38 | 123061030-80<br>**Location:** White Sealant On Pipe Endcap; Room 224 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 57%
**Comment:** Heat Sensitive (organic): 29.8%; Acid Soluble (inorganic): 12.8%; Inert (Non-asbestos): 57.4%

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# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-81<br>39 | 123061030-81<br>**Location:** Fiberglass Pipe Wrap; Room 207 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** White, Homogeneous, Fibrous, Pipe Wrap<br>**Asbestos Types:**<br>**Other Material:** Cellulose 35%, Non-fibrous 65% | | | |
| 20230185-82<br>39 | 123061030-82<br>**Location:** Fiberglass Pipe Wrap; Hallway 232 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** White, Homogeneous, Fibrous, Pipe Wrap<br>**Asbestos Types:**<br>**Other Material:** Cellulose 35%, Non-fibrous 65% | | | |
| 20230185-83<br>40 | 123061030-83<br>**Location:** Fiberglass Duct Wrap; Room 207 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** White/Silver, Homogeneous, Fibrous, Duct Wrap<br>**Asbestos Types:**<br>**Other Material:** Cellulose 45%, Non-fibrous 55% | | | |
| 20230185-84<br>40 | 123061030-84<br>**Location:** Fiberglass Duct Wrap; Room 223-28 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** White/Silver, Homogeneous, Fibrous, Duct Wrap<br>**Asbestos Types:**<br>**Other Material:** Cellulose 45%, Non-fibrous 55% | | | |
| 20230185-85<br>41 | 123061030-85<br>**Location:** Mudded Pipe Fitting; Mech Rm 224 - water line | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Pipe Fitting<br>**Asbestos Types:**<br>**Other Material:** Fibrous glass 25%, Non-fibrous 75% | | | |
| 20230185-86<br>41 | 123061030-86<br>**Location:** Mudded Pipe Fitting; Mech Rm 207 - mech line | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Beige, Heterogeneous, Non-Fibrous, Pipe Fitting<br>**Asbestos Types:**<br>**Other Material:** Fibrous glass 25%, Non-fibrous 75% | | | |

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# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-87<br>41 | 123061030-87<br>**Location:** Mudded Pipe Fitting; Mech Rm 224 - water line | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Pipe Fitting<br>**Asbestos Types:**<br>**Other Material:** Fibrous glass 25%, Non-fibrous 75% | | | |
| 20230185-88<br>42 | 123061030-88<br>**Location:** Tan Ceramic Wall Mastic; Room 223-21 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |
| **Analyst Description:** Tan, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 38%<br>**Comment:** Heat Sensitive (organic): 53.5%; Acid Soluble (inorganic): 7.9%; Inert (Non-asbestos): 38.6% | | | |
| 20230185-89<br>42 | 123061030-89<br>**Location:** Tan Ceramic Wall Mastic; Room 208-21 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |
| **Analyst Description:** Tan, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 41%<br>**Comment:** Heat Sensitive (organic): 50.6%; Acid Soluble (inorganic): 7.6%; Inert (Non-asbestos): 41.8% | | | |
| 20230185-90<br>43 | 123061030-90<br>**Location:** White Ceramic Wall Grout; Room 208-21 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** White, Heterogeneous, Non-Fibrous, Cementitious, Grout<br>**Asbestos Types:**<br>**Other Material:** Fibrous glass 25%, Non-fibrous 75% | | | |
| 20230185-91<br>43 | 123061030-91<br>**Location:** White Ceramic Wall Grout; Room 223-21 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** White, Heterogeneous, Non-Fibrous, Cementitious, Grout<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |

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# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-92<br>44 | 123061030-92<br>**Location:** Grey Ceramic Floor Grout; Room 223-27 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Grout<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |
| 20230185-93<br>45 | 123061030-93<br>**Location:** Grey Ceramic Floor Cement; Room 223-27 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Ceramic Floor<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |
| 20230185-94<br>44 | 123061030-94<br>**Location:** Grey Ceramic Floor Grout; Room 208-24 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Ceramic Floor<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |
| 20230185-95<br>45 | 123061030-95<br>**Location:** Grey Ceramic Floor Cement; Room 208-24 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Ceramic Floor<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |
| 20230185-96<br>46 | 123061030-96<br>**Location:** Grey Ceramic Floor Grout; Room 208-25 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Ceramic Floor<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |
| 20230185-97<br>47 | 123061030-97<br>**Location:** Grey Ceramic Floor Cement; Room 208-25 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Ceramic Floor<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |

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# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-98<br>46 | 123061030-98<br>**Location:** Grey Ceramic Floor Grout; Room 223-25 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Grout<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |
| 20230185-99<br>47 | 123061030-99<br>**Location:** Grey Ceramic Floor Cement; Room 223-25 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Ceramic Floor<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |
| 20230185-100<br>48 | 123061030-100<br>**Location:** White Wall Plaster Skim Coat; Room 208-26A | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster)<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |
| 20230185-101<br>49 | 123061030-101<br>**Location:** Gray Wall Plaster Base Coat; Room 208-26A | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster)<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |
| 20230185-102<br>48 | 123061030-102<br>**Location:** White Wall Plaster Skim Coat; Room 201-16A | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster)<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |
| 20230185-103<br>49 | 123061030-103<br>**Location:** Gray Wall Plaster Base Coat; Room 201-16A | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster)<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |

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# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-104<br>48 | 123061030-104<br>**Location:** White Wall Plaster Skim Coat; Room 201-26 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster)
**Asbestos Types:**
**Other Material:** Non-fibrous 100%

| | | | |
|---|---|---|---|
| 20230185-105<br>49 | 123061030-105<br>**Location:** Gray Wall Plaster Base Coat; Room 201-26 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster)
**Asbestos Types:**
**Other Material:** Non-fibrous 100%

| | | | |
|---|---|---|---|
| 20230185-106<br>48 | 123061030-106<br>**Location:** White Wall Plaster Skim Coat; Room 201-15B | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster)
**Asbestos Types:**
**Other Material:** Non-fibrous 100%

| | | | |
|---|---|---|---|
| 20230185-107<br>49 | 123061030-107<br>**Location:** Gray Wall Plaster Base Coat; Room 201-15B | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster)
**Asbestos Types:**
**Other Material:** Non-fibrous 100%

| | | | |
|---|---|---|---|
| 20230185-108<br>50 | 123061030-108<br>**Location:** Grey Window Glazing Compound; Room 225-6 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 49%
**Comment:** Heat Sensitive (organic): 39.7%; Acid Soluble (inorganic): 11.3%; Inert (Non-asbestos): 49.0%

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# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-109<br>50 | 123061030-109<br>**Location:** Grey Window Glazing Compound; Room 225-7 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 48%
**Comment:** Heat Sensitive (organic): 39.3%; Acid Soluble (inorganic): 11.9%; Inert (Non-asbestos): 48.8%

| | | | |
|---|---|---|---|
| 20230185-110<br>48 | 123061030-110<br>**Location:** White Wall Plaster Skim Coat; Room 217-14 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster)
**Asbestos Types:**
**Other Material:** Non-fibrous 100%

| | | | |
|---|---|---|---|
| 20230185-111<br>49 | 123061030-111<br>**Location:** Grey Wall Plaster Base Coat; Room 217-14 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster)
**Asbestos Types:**
**Other Material:** Non-fibrous 100%

| | | | |
|---|---|---|---|
| 20230185-112<br>48 | 123061030-112<br>**Location:** White Wall Plaster Skim Coat; Room 217-26 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster)
**Asbestos Types:**
**Other Material:** Non-fibrous 100%

| | | | |
|---|---|---|---|
| 20230185-113<br>49 | 123061030-113<br>**Location:** Grey Wall Plaster Base Coat; Room 217-26 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster)
**Asbestos Types:**
**Other Material:** Non-fibrous 100%

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# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-114<br>48 | 123061030-114<br>**Location:** White Wall Plaster Skim Coat; Room 214 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster)<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |
| 20230185-115<br>49 | 123061030-115<br>**Location:** Grey Wall Plaster Base Coat; Room 214 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster)<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |
| 20230185-116<br>51 | 123061030-116<br>**Location:** White Wall Texture; Room 208-3B | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** White, Homogeneous, Non-Fibrous, Wall Texture<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |
| 20230185-117<br>51 | 123061030-117<br>**Location:** White Wall Texture; Room 208-9 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** White, Homogeneous, Non-Fibrous, Wall Texture<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |
| 20230185-118<br>51 | 123061030-118<br>**Location:** White Wall Texture; Room 201-26 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** White, Homogeneous, Non-Fibrous, Wall Texture<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |
| 20230185-119<br>51 | 123061030-119<br>**Location:** White Wall Texture; Room 201-3 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** White, Homogeneous, Non-Fibrous, Wall Texture<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |

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# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-120<br>51 | 123061030-120<br>**Location:** White Wall Texture; Room 208-20 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** White, Homogeneous, Non-Fibrous, Wall Texture<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |
| 20230185-121<br>51 | 123061030-121<br>**Location:** White Wall Texture; Room 217-25 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** White, Homogeneous, Non-Fibrous, Wall Texture<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |
| 20230185-122<br>51 | 123061030-122<br>**Location:** White Wall Texture; Room 217-9 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** White, Homogeneous, Non-Fibrous, Wall Texture<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |
| 20230185-123<br>52 | 123061030-123<br>**Location:** Exterior Brick Mortar; Exterior - 223 wing | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Black, Heterogeneous, Non-Fibrous, Cementitious, Mortar<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |
| 20230185-124<br>52 | 123061030-124<br>**Location:** Exterior Brick Mortar; Exterior - 201 wing | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** Black, Heterogeneous, Non-Fibrous, Cementitious, Mortar<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |

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# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-125<br>53 | 123061030-125<br>**Location:** Dark Brown/Grey Window Caulk; Exterior - by 217-14 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |
| **Analyst Description:** Black, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 11%<br>**Comment:** Heat Sensitive (organic): 70.5%; Acid Soluble (inorganic): 18.0%; Inert (Non-asbestos): 11.4% | | | |
| 20230185-126<br>53 | 123061030-126<br>**Location:** Dark Brown/Grey Window Caulk; Exterior - by 208-9 | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |
| **Analyst Description:** Black, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 12%<br>**Comment:** Heat Sensitive (organic): 69.6%; Acid Soluble (inorganic): 18.0%; Inert (Non-asbestos): 12.4% | | | |
| 20230185-127<br>54 | 123061030-127<br>**Location:** White Skylight Caulk; Roof of 223 Wing | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |
| **Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 1.3%<br>**Comment:** Heat Sensitive (organic): 46.2%; Acid Soluble (inorganic): 52.5%; Inert (Non-asbestos): 1.3% | | | |
| 20230185-128<br>54 | 123061030-128<br>**Location:** White Skylight Caulk; Roof of 208 Wing | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |
| **Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 1.9%<br>**Comment:** Heat Sensitive (organic): 50.0%; Acid Soluble (inorganic): 48.0%; Inert (Non-asbestos): 1.9% | | | |
| 20230185-129<br>55 | 123061030-129<br>**Location:** Grey Caulk; Roof- where pipes meet shed - 223 wing | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |
| **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 18%<br>**Comment:** Heat Sensitive (organic): 27.6%; Acid Soluble (inorganic): 53.7%; Inert (Non-asbestos): 18.7% | | | |

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# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-130<br>55 | 123061030-130<br>**Location:** Grey Caulk; Roof- where pipes meet shed - 208 wing | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |
| **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 10%<br>**Comment:** Heat Sensitive (organic): 56.9%; Acid Soluble (inorganic): 32.4%; Inert (Non-asbestos): 10.7% | | | |
| 20230185-131<br>56 | 123061030-131<br>**Location:** Cementatious Ceiling; Exterior overhang by room 211 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** White, Heterogeneous, Non-Fibrous, Cementitious, Cementitious Ceiling<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |
| 20230185-132<br>56 | 123061030-132<br>**Location:** Cementatious Ceiling; Exterior overhang by room 211 | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |
| **Analyst Description:** White, Heterogeneous, Non-Fibrous, Cementitious, Cementitious Ceiling<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 100% | | | |
| 20230185-133<br>57 | 123061030-133<br>**Location:** Silver/Black Coating; 223 wing, roof, top of vent | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |
| **Analyst Description:** Silver, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 25%<br>**Comment:** Heat Sensitive (organic): 66.5%; Acid Soluble (inorganic): 7.9%; Inert (Non-asbestos): 25.6% | | | |
| 20230185-134<br>57 | 123061030-134<br>**Location:** Silver/Black Coating; 223 wing, roof, top of vent | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |
| **Analyst Description:** Silver, Heterogeneous, Non-Fibrous, Bulk Material<br>**Asbestos Types:**<br>**Other Material:** Non-fibrous 28%<br>**Comment:** Heat Sensitive (organic): 66.2%; Acid Soluble (inorganic): 5.3%; Inert (Non-asbestos): 28.4% | | | |

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# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-135<br>58 | 123061030-135<br>**Location:** Grey Firestop; Roof | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 48%
**Comment:** Heat Sensitive (organic): 47.0%; Acid Soluble (inorganic): 4.4%; Inert (Non-asbestos): 48.6%

| | | | |
|---|---|---|---|
| 20230185-136<br>58 | 123061030-136<br>**Location:** Grey Firestop; Roof | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 48%
**Comment:** Heat Sensitive (organic): 48.3%; Acid Soluble (inorganic): 2.9%; Inert (Non-asbestos): 48.8%

| | | | |
|---|---|---|---|
| 20230185-137<br>58 | 123061030-137<br>**Location:** Grey Firestop; Roof | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 50%
**Comment:** Heat Sensitive (organic): 47.8%; Acid Soluble (inorganic): 1.4%; Inert (Non-asbestos): 50.8%

| | | | |
|---|---|---|---|
| 20230185-138<br>59 | 123061030-138<br>**Location:** Black Tar; 217 wing roof, behind rubber flashing on wall | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Black, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 3.2%
**Comment:** Heat Sensitive (organic): 94.5%; Acid Soluble (inorganic): 2.3%; Inert (Non-asbestos): 3.2%

| | | | |
|---|---|---|---|
| 20230185-139<br>59 | 123061030-139<br>**Location:** Black Tar; 217 wing roof, behind rubber flashing on wall | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Black, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 1.3%
**Comment:** Heat Sensitive (organic): 96.4%; Acid Soluble (inorganic): 2.3%; Inert (Non-asbestos): 1.3%

See Reporting notes on last page

# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-140<br>60 | 123061030-140<br>**Location:** Black Tar; 217 wing roof on metal deck | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Black, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 0.5%
**Comment:** Heat Sensitive (organic): 98.0%; Acid Soluble (inorganic): 1.5%; Inert (Non-asbestos): 0.5%

| | | | |
|---|---|---|---|
| 20230185-141<br>60 | 123061030-141<br>**Location:** Black Tar; 217 wing roof on metal deck | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Black, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 0.6%
**Comment:** Heat Sensitive (organic): 97.8%; Acid Soluble (inorganic): 1.7%; Inert (Non-asbestos): 0.6%

| | | | |
|---|---|---|---|
| 20230185-142<br>61 | 123061030-142<br>**Location:** Brown/Silver Vapor Barrier Paper; 217 wing roof | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** Brown/Silver, Homogeneous, Fibrous, Barrier Paper
**Asbestos Types:**
**Other Material:** Cellulose 50%, Non-fibrous 50%

| | | | |
|---|---|---|---|
| 20230185-143<br>61 | 123061030-143<br>**Location:** Brown/Silver Vapor Barrier Paper; 217 wing roof | ***No*** | NAD<br>(by NYS ELAP 198.1)<br>by Tou Si Anothay<br>on 06/06/23 |

**Analyst Description:** Brown/Silver, Homogeneous, Fibrous, Barrier Paper
**Asbestos Types:**
**Other Material:** Cellulose 50%, Non-fibrous 50%

| | | | |
|---|---|---|---|
| 20230185-144<br>62 | 123061030-144<br>**Location:** Black Roofing; 223 wing roof | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Black, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 29%
**Comment:** Heat Sensitive (organic): 65.1%; Acid Soluble (inorganic): 5.9%; Inert (Non-asbestos): 29.0%

See Reporting notes on last page

# PLM Bulk Asbestos Report

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|---|---|---|
| 20230185-145<br>62 | 123061030-145<br>**Location:** Black Roofing; Roof Of 208 Wing | ***No*** | NAD<br>(NOB by NYS ELAP 198.6)<br>by Daisha Addison<br>on 06/06/23 |

**Analyst Description:** Black, Heterogeneous, Non-Fibrous, Bulk Material
**Asbestos Types:**
**Other Material:** Non-fibrous 39%
**Comment:** Heat Sensitive (organic): 58.3%; Acid Soluble (inorganic): 2.2%; Inert (Non-asbestos): 39.5%

**Reporting Notes:**

Analyzed by: Tou Si Anothay
Date: 06/06/23

Reviewed by: Glenn F. Massey

*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis using Meiji, Model MT 6120 microscope, Serial #1900011, by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Client Name: Watts Architecture & Engineers

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

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| AmeriSci Sample # | Client Sample# | HG Area | NOB Sample Weight (gram) | NOB Heat Sensitive Organic % | NOB Acid Soluble Inorganic % | NOB Insoluble Non-Asbestos Inorganic % | ** Asbestos % by PLM/DS | ** Asbestos % by TEM |
|---|---|---|---|---|---|---|---|---|
| 01 | 20230185-01 | 1 | 0.481 | 15.9 | 74.7 | 9.3 | NAD | NAD |
| Location: Brown 12x12 Floor Tile; Room 217-18 | | | | | | | | |
| 02 | 20230185-02 | 2 | 0.089 | 51.7 | 37.9 | 10.4 | NAD | NAD |
| Location: Tan Floor Tile Mastic; Room 217-18 | | | | | | | | |
| 03 | 20230185-03 | 1 | 0.577 | 16.9 | 76.9 | 6.1 | NAD | Chrysotile Trace |
| Location: Brown 12x12 Floor Tile; Room 217-18 | | | | | | | | |
| 04 | 20230185-04 | 2 | 0.064 | 50.6 | 49.4 | 0.0 | NAD | NAD |
| Location: Tan Floor Tile Mastic; Room 217-18 | | | | | | | | |
| 05 | 20230185-05 | 3 | 0.469 | 16.4 | 53.8 | 29.8 | NAD | NAD |
| Location: Light Tan 12x12 Floor Tile; Room 208-3 | | | | | | | | |
| 06 | 20230185-06 | 3 | 0.517 | 15.8 | 57.1 | 27.1 | NAD | NAD |
| Location: Light Tan 12x12 Floor Tile; Room 208-26 | | | | | | | | |
| 07 | 20230185-07 | 4 | 0.657 | 16.7 | 49.2 | 34.1 | NAD | NAD |
| Location: Blue 12 x12 Floor Tile; Room 208-11B | | | | | | | | |
| 08 | 20230185-08 | 4 | 0.510 | 16.7 | 60.0 | 23.2 | NAD | NAD |
| Location: Blue 12 x12 Floor Tile; Room 208-11B | | | | | | | | |
| 09 | 20230185-09 | 5 | 0.491 | 17.3 | 48.7 | 34.0 | NAD | NAD |
| Location: Light Grey 12x12 Floor Tile; Room 217-38 | | | | | | | | |
| 10 | 20230185-10 | 6 | 0.652 | 32.7 | 37.0 | 30.3 | NAD | NAD |
| Location: Tan Floor Tile Mastic; Room 217-38 | | | | | | | | |
| 11 | 20230185-11 | 5 | 0.456 | 17.4 | 55.1 | 27.5 | NAD | NAD |
| Location: Light Grey 12x12 Floor Tile; Room 217-1 | | | | | | | | |
| 12 | 20230185-12 | 6 | 0.931 | 34.8 | 34.0 | 31.2 | NAD | NAD |
| Location: Tan Floor Tile Mastic; Room 217-1 | | | | | | | | |
| 13 | 20230185-13 | 7 | 0.681 | 15.1 | 62.7 | 22.2 | NAD | NAD |
| Location: Teal 12x12 Floor Tile; Room 201-1 | | | | | | | | |
| 14 | 20230185-14 | 7 | 0.451 | 15.0 | 52.6 | 32.5 | NAD | NAD |
| Location: Teal 12x12 Floor Tile; Room 201-3 | | | | | | | | |
| 15 | 20230185-15 | 8 | 0.595 | 16.5 | 55.9 | 27.6 | NAD | NAD |
| Location: White 12x12 Spec Floor Tile; Room 200 | | | | | | | | |
| 16 | 20230185-16 | 8 | 0.671 | 16.0 | 37.0 | 47.0 | NAD | NAD |
| Location: White 12x12 Spec Floor Tile; Room 200 | | | | | | | | |

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

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| AmeriSci Sample # | Client Sample# | HG Area | NOB Sample Weight (gram) | NOB Heat Sensitive Organic % | NOB Acid Soluble Inorganic % | NOB Insoluble Non-Asbestos Inorganic % | ** Asbestos % by PLM/DS | ** Asbestos % by TEM |
|---|---|---|---|---|---|---|---|---|
| 17 | 20230185-17 | 9 | 0.501 | 14.2 | 54.2 | 31.6 | NAD | NAD |
| Location: White/Grey 12x12 Floor Tile; Room 201-12 | | | | | | | | |
| 18 | 20230185-18 | 9 | 0.518 | 14.5 | 54.1 | 31.5 | NAD | NAD |
| Location: White/Grey 12x12 Floor Tile; Room 201-12 | | | | | | | | |
| 19 | 20230185-19 | 10 | 0.772 | 14.9 | 27.6 | 57.6 | NAD | NAD |
| Location: White/Blue 12x12 Floor Tile; Room 223-16A | | | | | | | | |
| 20 | 20230185-20 | 6 | 0.361 | 55.6 | 12.7 | 31.7 | NAD | NAD |
| Location: Tan Floor Tile Mastic; Room 223-16A | | | | | | | | |
| 21 | 20230185-21 | 10 | 0.422 | 14.2 | 76.4 | 9.4 | NAD | NAD |
| Location: White/Blue 12x12 Floor Tile; Room 208-18 | | | | | | | | |
| 22 | 20230185-22 | 6 | 0.275 | 45.7 | 27.9 | 26.4 | NAD | NAD |
| Location: Tan Floor Tile Mastic; Room 208-18 | | | | | | | | |
| 23 | 20230185-23 | 11 | 0.300 | 19.6 | 75.7 | 4.7 | NAD | NAD |
| Location: Multi-Color Spec 12 x12 Floor Tile; Room 217-11B | | | | | | | | |
| 24 | 20230185-24 | 6 | 0.180 | 69.6 | 30.2 | 0.1 | NAD | Chrysotile Trace |
| Location: Tan Floor Tile Mastic; Room 217-11B | | | | | | | | |
| 25 | 20230185-25 | 11 | 0.460 | 15.8 | 75.3 | 8.9 | NAD | NAD |
| Location: Multi-Color Spec 12 x12 Floor Tile; Room 201-16 | | | | | | | | |
| 26 | 20230185-26 | 6 | 0.078 | 51.0 | 40.5 | 8.6 | NAD | NAD |
| Location: Tan Floor Tile Mastic; Room 201-16 | | | | | | | | |
| 27 | 20230185-27 | 12 | 0.448 | 39.4 | 48.9 | 11.7 | NAD | NAD |
| Location: Grey Floor Covering; Room 217-23 | | | | | | | | |
| 28 | 20230185-28 | 12 | 0.402 | 39.9 | 44.6 | 15.4 | NAD | NAD |
| Location: Grey Floor Covering; Room 201-1 | | | | | | | | |
| 29 | 20230185-29 | 13 | 0.364 | 79.2 | 12.4 | 8.4 | NAD | NAD |
| Location: Blue Floor Covering; Room 201-18 | | | | | | | | |
| 30 | 20230185-30 | 13 | 0.368 | 84.7 | 9.4 | 6.0 | NAD | NAD |
| Location: Blue Floor Covering; Room 201-18 | | | | | | | | |
| 31 | 20230185-31 | 14 | 0.274 | 32.8 | 35.8 | 28.9 | Chrysotile 2.6 | NA |
| Location: Blue/Tan Floor Covering; Room 217-11B | | | | | | | | |
| 32 | 20230185-32 | 14 | 0.470 | 37.0 | 41.6 | 21.4 | NA/PS | NA |
| Location: Blue/Tan Floor Covering; Room 217-11A | | | | | | | | |

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

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| AmeriSci Sample # | Client Sample# | HG Area | NOB Sample Weight (gram) | NOB Heat Sensitive Organic % | NOB Acid Soluble Inorganic % | NOB Insoluble Non-Asbestos Inorganic % | ** Asbestos % by PLM/DS | ** Asbestos % by TEM |
|---|---|---|---|---|---|---|---|---|
| 33 | 20230185-33 | 15 | 0.321 | 38.1 | 43.2 | 14.6 | Chrysotile 4.2 | NA |
| Location: Brick Pattern Floor Covering; Room 208-23 | | | | | | | | |
| 34 | 20230185-34 | 15 | 0.302 | 36.5 | 45.6 | 17.9 | NA/PS | NA |
| Location: Brick Pattern Floor Covering; Room 208-23 | | | | | | | | |
| 35 | 20230185-35 | 16 | 0.304 | 56.1 | 42.1 | 1.7 | NAD | NAD |
| Location: Light Tan Floor Covering; Room 217-10B | | | | | | | | |
| 36 | 20230185-36 | 17 | 0.309 | 21.1 | 27.4 | 51.4 | NAD | NAD |
| Location: Tan Mastic/Leveler; Room 217-10B | | | | | | | | |
| 37 | 20230185-37 | 16 | 0.217 | 58.8 | 39.9 | 1.3 | NAD | NAD |
| Location: Light Tan Floor Covering; Room 217-10B | | | | | | | | |
| 38 | 20230185-38 | 17 | 0.464 | 26.3 | 28.2 | 45.5 | NAD | NAD |
| Location: Tan Mastic/Leveler; Room 217-10B | | | | | | | | |
| 39 | 20230185-39 | 18 | 0.404 | 33.4 | 6.3 | 55.4 | Chrysotile 4.9 | NA |
| Location: Tan Carpet Mastic; Room 208-19 | | | | | | | | |
| 40 | 20230185-40 | 19 | 0.368 | 39.1 | 44.0 | 10.1 | Chrysotile 6.8 | NA |
| Location: Cream Flooring; Room 208-19 | | | | | | | | |
| 41 | 20230185-41 | 18 | 0.467 | 40.8 | 39.7 | 19.5 | NA/PS | NA |
| Location: Tan Carpet Mastic; Room 208-18 | | | | | | | | |
| 42 | 20230185-42 | 19 | 0.496 | 35.7 | 40.4 | 23.9 | NA/PS | NA |
| Location: Cream Flooring; Room 208-18 | | | | | | | | |
| 43 | 20230185-43 | 20 | 0.294 | 78.1 | 17.4 | 4.5 | NAD | NAD |
| Location: Dark Wood Floor Covering; Room 208-11B | | | | | | | | |
| 44 | 20230185-44 | 20 | 0.194 | 79.5 | 10.5 | 10.0 | NAD | NAD |
| Location: Dark Wood Floor Covering; Room 208-11B | | | | | | | | |
| 45 | 20230185-45 | 21 | 0.332 | 61.4 | 33.5 | 5.0 | NAD | NAD |
| Location: Light Wood Floor Covering; Room 208-16A | | | | | | | | |
| 46L1 | 20230185-46 | 22 | 0.114 | 74.0 | 25.8 | 0.1 | Chrysotile <1. | Chrysotile Trace |
| Location: Tan Mastic/Leveler; Room 208-16A | | | | | | | | |
| 46L2 | 20230185-46 | 22 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Tan Mastic/Leveler; Room 208-16A | | | | | | | | |
| 47 | 20230185-47 | 21 | 0.251 | 61.3 | 35.7 | 3.0 | NAD | NAD |
| Location: Light Wood Floor Covering; Room 208-16A | | | | | | | | |

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

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| AmeriSci Sample # | Client Sample# | HG Area | NOB Sample Weight (gram) | NOB Heat Sensitive Organic % | NOB Acid Soluble Inorganic % | NOB Insoluble Non-Asbestos Inorganic % | ** Asbestos % by PLM/DS | ** Asbestos % by TEM |
|---|---|---|---|---|---|---|---|---|
| 48L1 | 20230185-48 | 22 | 0.104 | 58.3 | 38.7 | 3.0 | NAD | NAD |
| Location: Tan Mastic/Leveler; Room 208-16A | | | | | | | | |
| 48L2 | 20230185-48 | 22 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Tan Mastic/Leveler; Room 208-16A | | | | | | | | |
| 49 | 20230185-49 | 23 | 0.100 | 45.2 | 12.3 | 42.4 | NAD | NAD |
| Location: White Wall Carpet Mastic; Room 209 | | | | | | | | |
| 50 | 20230185-50 | 23 | 0.338 | 98.5 | 1.0 | 0.5 | NAD | NAD |
| Location: White Wall Carpet Mastic; Room 232 | | | | | | | | |
| 51L1 | 20230185-51 | 24 | 0.197 | 46.7 | 23.6 | 29.7 | NAD | NAD |
| Location: Tan Carpet Mastic/Leveler; Room 208-5B | | | | | | | | |
| 51L2 | 20230185-51 | 24 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Tan Carpet Mastic/Leveler; Room 208-5B | | | | | | | | |
| 52L1 | 20230185-52 | 24 | 0.230 | 31.4 | 23.2 | 45.5 | NAD | NAD |
| Location: Tan Carpet Mastic/Leveler; Room 208-5B | | | | | | | | |
| 52L2 | 20230185-52 | 24 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Tan Carpet Mastic/Leveler; Room 208-5B | | | | | | | | |
| 53 | 20230185-53 | 25 | 0.428 | 40.7 | 2.7 | 56.5 | Chrysotile 0.3 | Chrysotile Trace |
| Location: Tan Carpet Mastic; Room 223-1 | | | | | | | | |
| 54 | 20230185-54 | 25 | 0.274 | 65.2 | 18.2 | 16.5 | Chrysotile <0.3 | Chrysotile Trace |
| Location: Tan Carpet Mastic; Room 223 | | | | | | | | |
| 55 | 20230185-55 | 26 | 0.439 | 54.3 | 7.1 | 38.6 | NAD | NAD |
| Location: Tan Carpet Mastic; Room 223-26 | | | | | | | | |
| 56 | 20230185-56 | 26 | 0.349 | 55.0 | 13.3 | 31.8 | NAD | NAD |
| Location: Tan Carpet Mastic; Room 223-29 | | | | | | | | |
| 57 | 20230185-57 | 27 | 0.351 | 31.4 | 61.1 | 7.5 | NAD | NAD |
| Location: White Shower Caulk; Room 217-5A | | | | | | | | |
| 58 | 20230185-58 | 27 | 0.570 | 32.9 | 44.7 | 22.4 | NAD | NAD |
| Location: White Shower Caulk; Room 201-10A | | | | | | | | |
| 59 | 20230185-59 | 28 | 0.560 | 58.1 | 39.4 | 2.4 | NAD | NAD |
| Location: White Sink Caulk; Room 217-23 | | | | | | | | |
| 60 | 20230185-60 | 28 | 0.553 | 43.9 | 53.3 | 2.7 | NAD | NAD |
| Location: White Sink Caulk; Room 201-23 | | | | | | | | |

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

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| AmeriSci Sample # | Client Sample# | HG Area | NOB Sample Weight (gram) | NOB Heat Sensitive Organic % | NOB Acid Soluble Inorganic % | NOB Insoluble Non-Asbestos Inorganic % | ** Asbestos % by PLM/DS | ** Asbestos % by TEM |
|---|---|---|---|---|---|---|---|---|
| 61 | 20230185-61 | 29 | 0.083 | 27.7 | 37.5 | 34.8 | NAD | NAD |
| Location: Dot & Fissure Ceiling Tile; Room 215A | | | | | | | | |
| 62 | 20230185-62 | 29 | 0.117 | 26.8 | 28.8 | 44.3 | NAD | NAD |
| Location: Dot & Fissure Ceiling Tile; Room 215A | | | | | | | | |
| 63 | 20230185-63 | 30 | 0.198 | 28.7 | 9.0 | 62.4 | NAD | NAD |
| Location: Smooth Fissure Ceiling Tile; Room 215A | | | | | | | | |
| 64 | 20230185-64 | 30 | 0.243 | 27.9 | 10.5 | 61.6 | NAD | NAD |
| Location: Smooth Fissure Ceiling Tile; Room 215A | | | | | | | | |
| 65 | 20230185-65 | 31 | 0.450 | 91.8 | 1.9 | 6.3 | NAD | NAD |
| Location: Tan Mastic/Wood; Room 208-4 | | | | | | | | |
| 66 | 20230185-66 | 31 | 0.288 | 85.1 | 2.6 | 12.3 | NAD | NAD |
| Location: Tan Mastic/Wood; Room 223-4 | | | | | | | | |
| 67 | 20230185-67 | 32 | 0.228 | 33.6 | 44.9 | 21.5 | NAD | NAD |
| Location: Brown/Grey Coating; Room 223-24 on walls | | | | | | | | |
| 68 | 20230185-68 | 32 | 0.273 | 36.8 | 46.2 | 17.0 | NAD | NAD |
| Location: Brown/Grey Coating; Room 201-24 on walls | | | | | | | | |
| 69 | 20230185-69 | 33 | 0.392 | 44.9 | 54.4 | 0.7 | NAD | NAD |
| Location: Black Cove Base; Room 230 | | | | | | | | |
| 70 | 20230185-70 | 34 | 0.334 | 36.2 | 42.2 | 21.7 | NAD | NAD |
| Location: Tan Cove Base; Room 230 | | | | | | | | |
| 71 | 20230185-71 | 33 | 0.458 | 28.5 | 70.4 | 1.1 | NAD | NAD |
| Location: Black Cove Base; Room 208-17 | | | | | | | | |
| 72 | 20230185-72 | 34 | 0.285 | 56.0 | 12.4 | 31.6 | NAD | NAD |
| Location: Tan Cove Mastic; Room 208-17 | | | | | | | | |
| 73 | 20230185-73 | 35 | 0.164 | 33.9 | 40.7 | 25.4 | NAD | NAD |
| Location: Tan Wall Paneling Mastic; Room 223-15 | | | | | | | | |
| 74 | 20230185-74 | 35 | 0.210 | 34.2 | 41.2 | 24.6 | NAD | NAD |
| Location: Tan Wall Paneling Mastic; Room 223-15 | | | | | | | | |
| 75 | 20230185-75 | 36 | 0.896 | 45.0 | 3.8 | 51.1 | NAD | NAD |
| Location: Red Exhaust Caulk; Room 208-27 | | | | | | | | |
| 76 | 20230185-76 | 36 | 0.843 | 59.2 | 0.3 | 40.5 | NAD | NAD |
| Location: Red Exhaust Caulk; Room 223-27 | | | | | | | | |

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

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| AmeriSci Sample # | Client Sample# | HG Area | NOB Sample Weight (gram) | NOB Heat Sensitive Organic % | NOB Acid Soluble Inorganic % | NOB Insoluble Non-Asbestos Inorganic % | ** Asbestos % by PLM/DS | ** Asbestos % by TEM |
|---|---|---|---|---|---|---|---|---|
| 77 | 20230185-77 | 37 | 0.327 | 30.8 | 65.2 | 4.0 | NAD | NAD |
| Location: White Counter Caulk; Room 217-3B | | | | | | | | |
| 78 | 20230185-78 | 37 | 0.386 | 31.3 | 64.6 | 4.1 | NAD | NAD |
| Location: White Counter Caulk; Room 208-3B | | | | | | | | |
| 79 | 20230185-79 | 38 | 0.257 | 33.2 | 22.0 | 44.8 | NAD | NAD |
| Location: White Sealant On Pipe Endcap; Room 207 | | | | | | | | |
| 80 | 20230185-80 | 38 | 0.222 | 29.8 | 12.8 | 57.4 | NAD | NAD |
| Location: White Sealant On Pipe Endcap; Room 224 | | | | | | | | |
| 81 | 20230185-81 | 39 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Fiberglass Pipe Wrap; Room 207 | | | | | | | | |
| 82 | 20230185-82 | 39 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Fiberglass Pipe Wrap; Hallway 232 | | | | | | | | |
| 83 | 20230185-83 | 40 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Fiberglass Duct Wrap; Room 207 | | | | | | | | |
| 84 | 20230185-84 | 40 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Fiberglass Duct Wrap; Room 223-28 | | | | | | | | |
| 85 | 20230185-85 | 41 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Mudded Pipe Fitting; Mech Rm 224 - water line | | | | | | | | |
| 86 | 20230185-86 | 41 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Mudded Pipe Fitting; Mech Rm 207 - mech line | | | | | | | | |
| 87 | 20230185-87 | 41 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Mudded Pipe Fitting; Mech Rm 224 - water line | | | | | | | | |
| 88 | 20230185-88 | 42 | 0.100 | 53.5 | 7.9 | 38.6 | NAD | NAD |
| Location: Tan Ceramic Wall Mastic; Room 223-21 | | | | | | | | |
| 89 | 20230185-89 | 42 | 0.120 | 50.6 | 7.6 | 41.8 | NAD | NAD |
| Location: Tan Ceramic Wall Mastic; Room 208-21 | | | | | | | | |
| 90 | 20230185-90 | 43 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: White Ceramic Wall Grout; Room 208-21 | | | | | | | | |
| 91 | 20230185-91 | 43 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: White Ceramic Wall Grout; Room 223-21 | | | | | | | | |
| 92 | 20230185-92 | 44 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Grey Ceramic Floor Grout; Room 223-27 | | | | | | | | |

See Reporting notes on last page

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

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| AmeriSci Sample # | Client Sample# | HG Area | NOB Sample Weight (gram) | NOB Heat Sensitive Organic % | NOB Acid Soluble Inorganic % | NOB Insoluble Non-Asbestos Inorganic % | ** Asbestos % by PLM/DS | ** Asbestos % by TEM |
|---|---|---|---|---|---|---|---|---|
| 93 | 20230185-93 | 45 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Grey Ceramic Floor Cement; Room 223-27 | | | | | | | | |
| 94 | 20230185-94 | 44 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Grey Ceramic Floor Grout; Room 208-24 | | | | | | | | |
| 95 | 20230185-95 | 45 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Grey Ceramic Floor Cement; Room 208-24 | | | | | | | | |
| 96 | 20230185-96 | 46 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Grey Ceramic Floor Grout; Room 208-25 | | | | | | | | |
| 97 | 20230185-97 | 47 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Grey Ceramic Floor Cement; Room 208-25 | | | | | | | | |
| 98 | 20230185-98 | 46 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Grey Ceramic Floor Grout; Room 223-25 | | | | | | | | |
| 99 | 20230185-99 | 47 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Grey Ceramic Floor Cement; Room 223-25 | | | | | | | | |
| 100 | 20230185-100 | 48 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: White Wall Plaster Skim Coat; Room 208-26A | | | | | | | | |
| 101 | 20230185-101 | 49 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Gray Wall Plaster Base Coat; Room 208-26A | | | | | | | | |
| 102 | 20230185-102 | 48 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: White Wall Plaster Skim Coat; Room 201-16A | | | | | | | | |
| 103 | 20230185-103 | 49 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Gray Wall Plaster Base Coat; Room 201-16A | | | | | | | | |
| 104 | 20230185-104 | 48 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: White Wall Plaster Skim Coat; Room 201-26 | | | | | | | | |
| 105 | 20230185-105 | 49 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Gray Wall Plaster Base Coat; Room 201-26 | | | | | | | | |
| 106 | 20230185-106 | 48 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: White Wall Plaster Skim Coat; Room 201-15B | | | | | | | | |
| 107 | 20230185-107 | 49 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Gray Wall Plaster Base Coat; Room 201-15B | | | | | | | | |
| 108 | 20230185-108 | 50 | 0.489 | 39.7 | 11.3 | 49.0 | NAD | NAD |
| Location: Grey Window Glazing Compound; Room 225-6 | | | | | | | | |

See Reporting notes on last page

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

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| AmeriSci Sample # | Client Sample# | HG Area | NOB Sample Weight (gram) | NOB Heat Sensitive Organic % | NOB Acid Soluble Inorganic % | NOB Insoluble Non-Asbestos Inorganic % | ** Asbestos % by PLM/DS | ** Asbestos % by TEM |
|---|---|---|---|---|---|---|---|---|
| 109 | 20230185-109 | 50 | 0.458 | 39.3 | 11.9 | 48.8 | NAD | NAD |
| Location: Grey Window Glazing Compound; Room 225-7 | | | | | | | | |
| 110 | 20230185-110 | 48 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: White Wall Plaster Skim Coat; Room 217-14 | | | | | | | | |
| 111 | 20230185-111 | 49 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Grey Wall Plaster Base Coat; Room 217-14 | | | | | | | | |
| 112 | 20230185-112 | 48 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: White Wall Plaster Skim Coat; Room 217-26 | | | | | | | | |
| 113 | 20230185-113 | 49 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Grey Wall Plaster Base Coat; Room 217-26 | | | | | | | | |
| 114 | 20230185-114 | 48 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: White Wall Plaster Skim Coat; Room 214 | | | | | | | | |
| 115 | 20230185-115 | 49 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Grey Wall Plaster Base Coat; Room 214 | | | | | | | | |
| 116 | 20230185-116 | 51 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: White Wall Texture; Room 208-3B | | | | | | | | |
| 117 | 20230185-117 | 51 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: White Wall Texture; Room 208-9 | | | | | | | | |
| 118 | 20230185-118 | 51 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: White Wall Texture; Room 201-26 | | | | | | | | |
| 119 | 20230185-119 | 51 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: White Wall Texture; Room 201-3 | | | | | | | | |
| 120 | 20230185-120 | 51 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: White Wall Texture; Room 208-20 | | | | | | | | |
| 121 | 20230185-121 | 51 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: White Wall Texture; Room 217-25 | | | | | | | | |
| 122 | 20230185-122 | 51 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: White Wall Texture; Room 217-9 | | | | | | | | |
| 123 | 20230185-123 | 52 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Exterior Brick Mortar; Exterior - 223 wing | | | | | | | | |
| 124 | 20230185-124 | 52 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Exterior Brick Mortar; Exterior - 201 wing | | | | | | | | |

See Reporting notes on last page

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

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| AmeriSci Sample # | Client Sample# | HG Area | NOB Sample Weight (gram) | NOB Heat Sensitive Organic % | NOB Acid Soluble Inorganic % | NOB Insoluble Non-Asbestos Inorganic % | ** Asbestos % by PLM/DS | ** Asbestos % by TEM |
|---|---|---|---|---|---|---|---|---|
| 125 | 20230185-125 | 53 | 0.466 | 70.5 | 18.0 | 11.4 | NAD | NAD |
| Location: Dark Brown/Grey Window Caulk; Exterior - by 217-14 | | | | | | | | |
| 126 | 20230185-126 | 53 | 0.360 | 69.6 | 18.0 | 12.4 | NAD | NAD |
| Location: Dark Brown/Grey Window Caulk; Exterior - by 208-9 | | | | | | | | |
| 127 | 20230185-127 | 54 | 0.290 | 46.2 | 52.5 | 1.3 | NAD | NAD |
| Location: White Skylight Caulk; Roof of 223 Wing | | | | | | | | |
| 128 | 20230185-128 | 54 | 0.505 | 50.0 | 48.0 | 1.9 | NAD | NAD |
| Location: White Skylight Caulk; Roof of 208 Wing | | | | | | | | |
| 129 | 20230185-129 | 55 | 0.533 | 27.6 | 53.7 | 18.7 | NAD | NAD |
| Location: Grey Caulk; Roof- where pipes meet shed - 223 wing | | | | | | | | |
| 130 | 20230185-130 | 55 | 0.574 | 56.9 | 32.4 | 10.7 | NAD | NAD |
| Location: Grey Caulk; Roof- where pipes meet shed - 208 wing | | | | | | | | |
| 131 | 20230185-131 | 56 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Cementatious Ceiling; Exterior overhang by room 211 | | | | | | | | |
| 132 | 20230185-132 | 56 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: Cementatious Ceiling; Exterior overhang by room 211 | | | | | | | | |
| 133 | 20230185-133 | 57 | 0.366 | 66.5 | 7.9 | 25.6 | NAD | NAD |
| Location: Silver/Black Coating; 223 wing, roof, top of vent | | | | | | | | |
| 134 | 20230185-134 | 57 | 0.567 | 66.2 | 5.3 | 28.4 | NAD | NAD |
| Location: Silver/Black Coating; 223 wing, roof, top of vent | | | | | | | | |
| 135 | 20230185-135 | 58 | 0.507 | 47.0 | 4.4 | 48.6 | NAD | NAD |
| Location: Grey Firestop; Roof | | | | | | | | |
| 136 | 20230185-136 | 58 | 0.476 | 48.3 | 2.9 | 48.8 | NAD | NAD |
| Location: Grey Firestop; Roof | | | | | | | | |
| 137 | 20230185-137 | 58 | 1.229 | 47.8 | 1.4 | 50.8 | NAD | NAD |
| Location: Grey Firestop; Roof | | | | | | | | |
| 138 | 20230185-138 | 59 | 0.466 | 94.5 | 2.3 | 3.2 | NAD | NAD |
| Location: Black Tar; 217 wing roof, behind rubber flashing on wall | | | | | | | | |
| 139 | 20230185-139 | 59 | 0.315 | 96.4 | 2.3 | 1.3 | NAD | NAD |
| Location: Black Tar; 217 wing roof, behind rubber flashing on wall | | | | | | | | |
| 140 | 20230185-140 | 60 | 0.517 | 98.0 | 1.5 | 0.5 | NAD | NAD |
| Location: Black Tar; 217 wing roof on metal deck | | | | | | | | |

See Reporting notes on last page

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

20230185; Fingerlakes DDSO Moon Street Renovation; 620 Westfall Road, Rochester, New York (Report Amended 06/09/23)

| AmeriSci Sample # | Client Sample# | HG Area | NOB Sample Weight (gram) | NOB Heat Sensitive Organic % | NOB Acid Soluble Inorganic % | NOB Insoluble Non-Asbestos Inorganic % | ** Asbestos % by PLM/DS | ** Asbestos % by TEM |
|---|---|---|---|---|---|---|---|---|
| 141 | 20230185-141 | 60 | 0.452 | 97.8 | 1.7 | 0.6 | NAD | NAD |
| Location: | Black Tar; 217 wing roof on metal deck | | | | | | | |
| 142 | 20230185-142 | 61 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: | Brown/Silver Vapor Barrier Paper; 217 wing roof | | | | | | | |
| 143 | 20230185-143 | 61 | ---- | ---- | ---- | ---- | NAD | NA |
| Location: | Brown/Silver Vapor Barrier Paper; 217 wing roof | | | | | | | |
| 144 | 20230185-144 | 62 | 0.495 | 65.1 | 5.9 | 29.0 | NAD | NAD |
| Location: | Black Roofing; 223 wing roof | | | | | | | |
| 145 | 20230185-145 | 62 | 0.641 | 58.3 | 2.2 | 39.5 | NAD | NAD |
| Location: | Black Roofing; Roof Of 208 Wing | | | | | | | |

Analyzed by: Cory M. Parnell 

Reviewed by: Glenn F. Massey 

Date: 06/07/23

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

| **AmeriSci Richmond** | Report Amendment Explanation Form (append to amended report) | Date Amended 06/09/23 |
|---|---|---|

Client: Watts Architecture & Engineers

AmeriSci Job #: 123061030

Client Job: 20230185

Analysis Type: ELAP-PLM/TEM

AmeriSci Sample #s affected: 123061030-46, 48

Amended by (print/sign): Glenn F. Massey

Original Item(s) Being Amended: PLM Results Entry Error Caused Database Miscalculation

Changes Made: Reanalyzed Samples, Added TEM ResultsC

Reason for Changes: Customer Requested QC On Sample

Attach original sheet with incorrect item or items to be amended clearly indicated or circled.

123061030

# WATTS ARCHITECTURE & ENGINEERING
## ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

Page: _____ of _____

**Client:** Trudeau Associates
**Project:** Fingerlakes DDSO Moon Street Renovation
**Building / Location:** 620 Westfall Road, Rochester, New York
**Contact:** Ted Knapp at (585) 297-0749
**Preliminary Results to:** tknapp@watts-ae.com
**Mail Report & Invoice to:** Watts Architecture & Engineering
95 Perry Street, Buffalo, NY 14203

**Date:** 5/31/2023
**Watts Project No.:** 20230185

**Turnaround Requested:**

| | |
|---|---|
| 3 Hr. | 48 Hr. |
| 6 Hr. | 72 Hr. |
| 12 Hr. | X 5 Day |
| 24 Hr. | 6-10 Day |

**Analysis Requested:**
198.1 x 198.6 x
198.4 x

| Sample Number | Material Description | HA | Sample Location | Laboratory Results PLM | TEM |
|---|---|---|---|---|---|
| 20230185-01 | Brown 12x12 Floor Tile | 1 | Room 217-18 | | |
| 20230185-02 | Tan Floor Tile Mastic | 2 | Room 217-18 | | |
| 20230185-03 | Brown 12x12 Floor Tile | 1 | Room 217-18 | | |
| 20230185-04 | Tan Floor Tile Mastic | 2 | Room 217-18 | | |
| 20230185-05 | Light Tan 12x12 Floor Tile | 3 | Room 208-3 | | |
| 20230185-06 | Light Tan 12x12 Floor Tile | 3 | Room 208-26 | | |
| 20230185-07 | Blue 12 x12 Floor Tile | 4 | Room 208-11B | | |
| 20230185-08 | Blue 12 x12 Floor Tile | 4 | Room 208-11B | | |
| 20230185-09 | Light Grey 12x12 Floor Tile | 5 | Room 217-38 | | |
| 20230185-10 | Tan Floor Tile Mastic | 6 | Room 217-38 | | |
| 20230185-11 | Light Grey 12x12 Floor Tile | 5 | Room 217-1 | | |
| 20230185-12 | Tan Floor Tile Mastic | 6 | Room 217-1 | | |
| 20230185-13 | Teal 12x12 Floor Tile | 7 | Room 201-1 | | |
| 20230185-14 | Teal 12x12 Floor Tile | 7 | Room 201-3 | | |
| 20230185-15 | White 12x12 Spec Floor Tile | 8 | Room 200 | | |
| 20230185-16 | White 12x12 Spec Floor Tile | 8 | Room 200 | | |
| 20230185-17 | White/Grey 12x12 Floor Tile | 9 | Room 201-12 | | |
| 20230185-18 | White/Grey 12x12 Floor Tile | 9 | Room 201-12 | | |

**Sampled By:** Ted Knapp **Date:** 5/26, 5/30,5/31/23 **Received By:** _____ **Date:** _____ Received

**Relinquished By:** Ted Knapp **Date:** 5/31/2023 **Received By:** _____ **Date:** _____

JUN 01 2023

**Comments:** If PLM NOB is negative, analyze by TEM. Stop at first positive for each homogeneous material description group.
If Vermiculite is detected in a sample cease analysis on that sample immediately and contact the Watts Project Manager for further instructions.

TLM

123061030

Page: ____ of ____

# WATTS ARCHITECTURE & ENGINEERING
## ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

**Client:** Trudeau Associates
**Project:** Fingerlakes DDSO Moon Street Renovation
**Building / Location:** 620 Westfall Road, Rochester, New York
**Contact:** Ted Knapp **at (585) 297-0749**
**Preliminary Results to:** tknapp@watts-ae.com
**Mail Report & Invoice to:** **Watts Architecture & Engineering**
**95 Perry Street, Buffalo, NY 14203**

**Date:** 5/31/2023
**Watts Project No.:** 20230185

**Turnaround Requested:**

| | | | |
|---|---|---|---|
| | 3 Hr. | | 48 Hr. |
| | 6 Hr. | | 72 Hr. |
| | 12 Hr. | X | 5 Day |
| | 24 Hr. | | 6-10 Day |

**Analysis Requested:**
198.1 x 198.6 x 198.4 x

| Sample Number | Material Description | HA | Sample Location | Laboratory Results PLM | TEM |
|---|---|---|---|---|---|
| 20230185-19 | White/Blue 12x12 Floor Tile | 10 | Room 223-16A | | |
| 20230185-20 | Tan Floor Tile Mastic | 6 | Room 223-16A | | |
| 20230185-21 | White/Blue 12x12 Floor Tile | 10 | Room 208-18 | | |
| 20230185-22 | Tan Floor Tile Mastic | 6 | Room 208-18 | | |
| 20230185-23 | Multi-Color Spec 12 x12 Floor Tile | 11 | Room 217-11B | | |
| 20230185-24 | Tan Floor Tile Mastic | 6 | Room 217-11B | | |
| 20230185-25 | Multi-Color Spec 12 x12 Floor Tile | 11 | Room 201-16 | | |
| 20230185-26 | Tan Floor Tile Mastic | 6 | Room 201-16 | | |
| 20230185-27 | Grey Floor Covering | 12 | Room 217-23 | | |
| 20230185-28 | Grey Floor Covering | 12 | Room 201-1 | | |
| 20230185-29 | Blue Floor Covering | 13 | Room 201-18 | | |
| 20230185-30 | Blue Floor Covering | 13 | Room 201-18 | | |
| 20230185-31 | Blue/Tan Floor Covering | 14 | Room 217-11B | | |
| 20230185-32 | Blue/Tan Floor Covering | 14 | Room 217-11A | | |
| 20230185-33 | Brick Pattern Floor Covering | 15 | Room 208-23 | | |
| 20230185-34 | Brick Pattern Floor Covering | 15 | Room 208-23 | | |
| 20230185-35 | Light Tan Floor Covering | 16 | Room 217-10B | | |
| 20230185-36 | Tan Mastic/Leveler | 17 | Room 217-10B | | |

**Sampled By:** Ted Knapp **Date:** 5/26, 5/30,5/31/23 **Received By:** _____ **Date:** _____ Received

**Relinquished By:** Ted Knapp **Date:** 5/31/2023 **Received By:** _____ **Date:** _____

**Comments:** If PLM NOB is negative, analyze by TEM. Stop at first positive for each homogeneous material description group.

If Vermiculite is detected in a sample cease analysis on that sample immediately and contact the Watts Project Manager for further instructions.

JUN 01 2023

JLM

# WATTS ARCHITECTURE & ENGINEERING
# ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

123-06-1030

Page: _____ of _____

**Client:** Trudeau Associates
**Project:** Fingerlakes DDSO Moon Street Renovation
**Building / Location:** 620 Westfall Road, Rochester, New York
**Contact:** Ted Knapp **at (585) 297-0749**
**Preliminary Results to:** tknapp@watts-ae.com
**Mail Report & Invoice to:** **Watts Architecture & Engineering**
**95 Perry Street, Buffalo, NY 14203**

**Date:** 5/31/2023
**Watts Project No.:** 20230185

**Turnaround Requested:**

| | | | |
|---|---|---|---|
| | 3 Hr. | | 48 Hr. |
| | 6 Hr. | | 72 Hr. |
| | 12 Hr. | X | 5 Day |
| | 24 Hr. | | 6-10 Day |

**Analysis Requested:**
198.1 x 198.6 x 198.4 x

| Sample Number | Material Description | HA | Sample Location | Laboratory Results PLM | Laboratory Results TEM |
|---|---|---|---|---|---|
| 20230185-37 | Light Tan Floor Covering | 16 | Room 217-10B | | |
| 20230185-38 | Tan Mastic/Leveler | 17 | Room 217-10B | | |
| 20230185-39 | Tan Carpet Mastic | 18 | Room 208-19 | | |
| 20230185-40 | Cream Flooring | 19 | Room 208-19 | | |
| 20230185-41 | Tan Carpet Mastic | 18 | Room 208-18 | | |
| 20230185-42 | Cream Flooring | 19 | Room 208-18 | | |
| 20230185-43 | Dark Wood Floor Covering | 20 | Room 208-11B | | |
| 20230185-44 | Dark Wood Floor Covering | 20 | Room 208-11B | | |
| 20230185-45 | Light Wood Floor Covering | 21 | Room 208-16A | | |
| 20230185-46 | Tan Mastic/Leveler | 22 | Room 208-16A | | |
| 20230185-47 | Light Wood Floor Covering | 21 | Room 208-16A | | |
| 20230185-48 | Tan Mastic/Leveler | 22 | Room 208-16A | | |
| 20230185-49 | White Wall Carpet Mastic | 23 | Room 209 | | |
| 20230185-50 | White Wall Carpet Mastic | 23 | Room 232 | | |
| 20230185-51 | Tan Carpet Mastic/Leveler | 24 | Room 208-5B | | |
| 20230185-52 | Tan Carpet Mastic/Leveler | 24 | Room 208-5B | | |
| 20230185-53 | Tan Carpet Mastic | 25 | Room 223-1 | | |
| 20230185-54 | Tan Carpet Mastic | 25 | Room 223 | | |

**Sampled By:** Ted Knapp **Date:** 5/26, 5/30,5/31/23 **Received By:** _____ **Date:** _____ Received

**Relinquished By:** Ted Knapp **Date:** 5/31/2023 **Received By:** _____ **Date:** _____

**Comments:** If PLM NOB is negative, analyze by TEM. Stop at first positive for each homogeneous material description group.

If Vermiculite is detected in a sample cease analysis on that sample immediately and contact the Watts Project Manager for further instructions.

JUN 05 2023

123061030

Page: ____ of ____

# WATTS ARCHITECTURE & ENGINEERING
## ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

**Client:** Trudeau Associates
**Project:** Fingerlakes DDSO Moon Street Renovation
**Building / Location:** 620 Westfall Road, Rochester, New York
**Contact:** Ted Knapp at (585) 297-0749
**Preliminary Results to:** tknapp@watts-ae.com
**Mail Report & Invoice to:** Watts Architecture & Engineering
95 Perry Street, Buffalo, NY 14203

**Date:** 5/31/2023
**Watts Project No.:** 20230185

**Analysis Requested:**
198.1 x 198.6 x 198.4 x

**Turnaround Requested:**
3 Hr. ____ 48 Hr. ____
6 Hr. ____ 72 Hr. ____
12 Hr. ____ X 5 Day
24 Hr. ____ 6-10 Day

| Sample Number | Material Description | HA | Sample Location | Laboratory Results PLM | TEM |
|---|---|---|---|---|---|
| 20230185-55 | Tan Carpet Mastic | 26 | Room 223-26 | | |
| 20230185-56 | Tan Carpet Mastic | 26 | Room 223-29 | | |
| 20230185-57 | White Shower Caulk | 27 | Room 217-5A | | |
| 20230185-58 | White Shower Caulk | 27 | Room 201-10A | | |
| 20230185-59 | White Sink Caulk | 28 | Room 217-23 | | |
| 20230185-60 | White Sink Caulk | 28 | Room 201-23 | | |
| 20230185-61 | Dot & Fissure Ceiling Tile | 29 | Room 215A | | |
| 20230185-62 | Dot & Fissure Ceiling Tile | 29 | Room 215A | | |
| 20230185-63 | Smooth Fissure Ceiling Tile | 30 | Room 215A | | |
| 20230185-64 | Smooth Fissure Ceiling Tile | 30 | Room 215A | | |
| 20230185-65 | Tan Mastic/Wood | 31 | Room 208-4 | | |
| 20230185-66 | Tan Mastic/Wood | 31 | Room 223-4 | | |
| 20230185-67 | Brown/Grey Coating | 32 | Room 223-24 on walls | | |
| 20230185-68 | Brown/Grey Coating | 32 | Room 201-24 on walls | | |
| 20230185-69 | Black Cove Base | 33 | Room 230 | | |
| 20230185-70 | Tan Cove Mastic | 34 | Room 230 | | |
| 20230185-71 | Black Cove Base | 33 | Room 208-17 | | |
| 20230185-72 | Tan Cove Mastic | 34 | Room 208-17 | | |

**Sampled By:** Ted Knapp **Date:** 5/26, 5/30,5/31/23 **Received By:** ____ **Date:** Received

**Relinquished By:** Ted Knapp **Date:** 5/31/2023 **Received By:** ____ **Date:** ____

JUN 01 2023

**Comments:** If PLM NOB is negative, analyze by TEM. Stop at first positive for each homogeneous material description group.
If Vermiculite is detected in a sample cease analysis on that sample immediately and contact the Watts Project Manager for further instructions.

TLM

123061030

Page: _____ of _____

# WATTS ARCHITECTURE & ENGINEERING
## ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

**Client:** Trudeau Associates
**Project:** Fingerlakes DDSO Moon Street Renovation
**Building / Location:** 620 Westfall Road, Rochester, New York
**Contact:** Ted Knapp at (585) 297-0749
**Preliminary Results to:** tknapp@watts-ae.com
**Mail Report & Invoice to:** Watts Architecture & Engineering
95 Perry Street, Buffalo, NY 14203

**Date:** 5/31/2023
**Watts Project No.:** 20230185

**Turnaround Requested:**

| | |
|---|---|
| 3 Hr. | 48 Hr. |
| 6 Hr. | 72 Hr. |
| 12 Hr. | X 5 Day |
| 24 Hr. | 6-10 Day |

**Analysis Requested:**
198.1 x 198.6 x
198.4 x

| Sample Number | Material Description | HA | Sample Location | Laboratory Results PLM | TEM |
|---|---|---|---|---|---|
| 20230185-73 | Tan Wall Paneling Mastic | 35 | Room 223-15 | | |
| 20230185-74 | Tan Wall Paneling Mastic | 35 | Room 223-15 | | |
| 20230185-75 | Red Exhaust Caulk | 36 | Room 208-27 | | |
| 20230185-76 | Red Exhaust Caulk | 36 | Room 223-27 | | |
| 20230185-77 | White Counter Caulk | 37 | Room 217-3B | | |
| 20230185-78 | White Counter Caulk | 37 | Room 208-3B | | |
| 20230185-79 | White Sealant on Pipe Endcap | 38 | Room 207 | | |
| 20230185-80 | White Sealant on Pipe Endcap | 38 | Room 224 | | |
| 20230185-81 | Fiberglass Pipe Wrap | 39 | Room 207 | | |
| 20230185-82 | Fiberglass Pipe Wrap | 39 | Hallway 232 | | |
| 20230185-83 | Fiberglass Duct Wrap | 40 | Room 207 | | |
| 20230185-84 | Fiberglass Duct Wrap | 40 | Room 223-28 | | |
| 20230185-85 | Mudded Pipe Fitting | 41 | Mech Rm 224 - water line | | |
| 20230185-86 | Mudded Pipe Fitting | 41 | Mech Rm 207 - mech line | | |
| 20230185-87 | Mudded Pipe Fitting | 41 | Mech Rm 224 - water line | | |
| 20230185-88 | Tan Ceramic Wall Mastic | 42 | Room 223-21 | | |
| 20230185-89 | Tan Ceramic Wall Mastic | 42 | Room 208-21 | | |
| 20230185-90 | White Ceramic Wall Grout | 43 | Room 208-21 | | |

**Sampled By:** Ted Knapp **Date:** 5/26, 5/30,5/31/23 **Received By:** _____ **Date:** Received

**Relinquished By:** Ted Knapp **Date:** 5/31/2023 **Received By:** _____ **Date:** JUN 01 2023

**Comments:** If PLM NOB is negative, analyze by TEM. Stop at first positive for each homogeneous material description group.
If Vermiculite is detected in a sample cease analysis on that sample immediately and contact the Watts Project Manager for further instructions.

TLM

123061030

# WATTS ARCHITECTURE & ENGINEERING
## ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

Page: ____ of ____

**Client:** Trudeau Associates — **Date:** 5/31/2023

**Project:** Fingerlakes DDSO Moon Street Renovation — **Watts Project No.:** 20230185

**Building / Location:** 620 Westfall Road, Rochester, New York

**Contact:** Ted Knapp at (585) 297-0749

**Preliminary Results to:** tknapp@watts-ae.com

**Mail Report & Invoice to:** Watts Architecture & Engineering, 95 Perry Street, Buffalo, NY 14203

**Analysis Requested:** 198.1 x 198.6 x 198.4 x

**Turnaround Requested:**

| | | | |
|---|---|---|---|
| ____ | 3 Hr. | ____ | 48 Hr. |
| ____ | 6 Hr. | ____ | 72 Hr. |
| ____ | 12 Hr. | X | 5 Day |
| ____ | 24 Hr. | ____ | 6-10 Day |

| Sample Number | Material Description | HA | Sample Location | Laboratory Results PLM | Laboratory Results TEM |
|---|---|---|---|---|---|
| 20230185-91 | White Ceramic Wall Grout | 43 | Room 223-21 | | |
| 20230185-92 | Grey Ceramic Floor Grout | 44 | Room 223-27 | | |
| 20230185-93 | Grey Ceramic Floor Cement | 45 | Room 223-27 | | |
| 20230185-94 | Grey Ceramic Floor Grout | 44 | Room 208-24 | | |
| 20230185-95 | Grey Ceramic Floor Cement | 45 | Room 208-24 | | |
| 20230185-96 | Grey Ceramic Floor Grout | 46 | Room 208-25 | | |
| 20230185-97 | Grey Ceramic Floor Cement | 47 | Room 208-25 | | |
| 20230185-98 | Grey Ceramic Floor Grout | 46 | Room 223-25 | | |
| 20230185-99 | Grey Ceramic Floor Cement | 47 | Room 223-25 | | |
| 20230185-100 | White Wall Plaster Skim Coat | 48 | Room 208-26A | | |
| 20230185-101 | Gray Wall Plaster Base Coat | 49 | Room 208-26A | | |
| 20230185-102 | White Wall Plaster Skim Coat | 48 | Room 201-16A | | |
| 20230185-103 | Gray Wall Plaster Base Coat | 49 | Room 201-16A | | |
| 20230185-104 | White Wall Plaster Skim Coat | 48 | Room 201-26 | | |
| 20230185-105 | Gray Wall Plaster Base Coat | 49 | Room 201-26 | | |
| 20230185-106 | White Wall Plaster Skim Coat | 48 | Room 201-15B | | |
| 20230185-107 | Gray Wall Plaster Base Coat | 49 | Room 201-15B | | |
| 20230185-108 | Grey Window Glazing Compound | 50 | Room 225-6 | | |

**Sampled By:** Ted Knapp **Date:** 5/26, 5/30,5/31/23 **Received By:** ____ **Date:** Received

**Relinquished By:** Ted Knapp **Date:** 5/31/2023 **Received By:** ____ **Date:** ____

**Comments:** If PLM NOB is negative, analyze by TEM. Stop at first positive for each homogeneous material description group.

If Vermiculite is detected in a sample cease analysis on that sample immediately and contact the Watts Project Manager for further instructions.

JUN 01 2023

TLM

123061030

# WATTS ARCHITECTURE & ENGINEERING
## ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

Page: ____ of ____

**Client:** Trudeau Associates — **Date:** 5/31/2023
**Project:** Fingerlakes DDSO Moon Street Renovation — **Watts Project No.:** 20230185
**Building / Location:** 620 Westfall Road, Rochester, New York
**Contact:** Ted Knapp at (585) 297-0749
**Preliminary Results to:** tknapp@watts-ae.com
**Mail Report & Invoice to:** Watts Architecture & Engineering, 95 Perry Street, Buffalo, NY 14203

**Analysis Requested:**
198.1 x — 198.6 x — 198.4 x

**Turnaround Requested:**

| | |
|---|---|
| 3 Hr. | 48 Hr. |
| 6 Hr. | 72 Hr. |
| 12 Hr. | X 5 Day |
| 24 Hr. | 6-10 Day |

| Sample Number | Material Description | HA | Sample Location | Laboratory Results PLM | TEM |
|---|---|---|---|---|---|
| 20230185-109 | Grey Window Glazing Compound | 50 | Room 225-7 | | |
| 20230185-110 | White Wall Plaster Skim Coat | 48 | Room 217-14 | | |
| 20230185-111 | Grey Wall Plaster Base Coat | 49 | Room 217-14 | | |
| 20230185-112 | White Wall Plaster Skim Coat | 48 | Room 217-26 | | |
| 20230185-113 | Grey Wall Plaster Base Coat | 49 | Room 217-26 | | |
| 20230185-114 | White Wall Plaster Skim Coat | 48 | Room 214 | | |
| 20230185-115 | Grey Wall Plaster Base Coat | 49 | Room 214 | | |
| 20230185-116 | White Wall Texture | 51 | Room 208-3B | | |
| 20230185-117 | White Wall Texture | 51 | Room 208-9 | | |
| 20230185-118 | White Wall Texture | 51 | Room 201-26 | | |
| 20230185-119 | White Wall Texture | 51 | Room 201-3 | | |
| 20230185-120 | White Wall Texture | 51 | Room 208-20 | | |
| 20230185-121 | White Wall Texture | 51 | Room 217-25 | | |
| 20230185-122 | White Wall Texture | 51 | Room 217-9 | | |
| 20230185-123 | Exterior Brick Mortar | 52 | Exterior - 223 wing | | |
| 20230185-124 | Exterior Brick Mortar | 52 | Exterior - 201 wing | | |
| 20230185-125 | Dark Brown/Grey Window Caulk | 53 | Exterior - by 217-14 | | |
| 20230185-126 | Dark Brown/Grey Window Caulk | 53 | Exterior - by 208-9 | | |

**Sampled By:** Ted Knapp **Date:** 5/26, 5/30,5/31/23 **Received By:** _____ **Date:** _____ Received

**Relinquished By:** Ted Knapp **Date:** 5/31/2023 **Received By:** _____ **Date:** JUN 01 2023

**Comments:** If PLM NOB is negative, analyze by TEM. Stop at first positive for each homogeneous material description group.
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TLM

123-06-1030

# WATTS ARCHITECTURE & ENGINEERING
# ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

Page: ____ of ____

**Client:** Trudeau Associates
**Project:** Fingerlakes DDSO Moon Street Renovation
**Building / Location:** 620 Westfall Road, Rochester, New York
**Contact:** Ted Knapp **at (585) 297-0749**
**Preliminary Results to:** tknapp@watts-ae.com
**Mail Report & Invoice to:** **Watts Architecture & Engineering**
**95 Perry Street, Buffalo, NY 14203**

**Date:** 5/31/2023
**Watts Project No.:** 20230185

**Analysis Requested:**
198.1 x 198.6 x
198.4 x

**Turnaround Requested:**

| | |
|---|---|
| 3 Hr. | 48 Hr. |
| 6 Hr. | 72 Hr. |
| 12 Hr. | X 5 Day |
| 24 Hr. | 6-10 Day |

| Sample Number | Material Description | HA | Sample Location | Laboratory Results PLM | TEM |
|---|---|---|---|---|---|
| 20230185-127 | White Skylight Caulk | 54 | Roof of 223 Wing | | |
| 20230185-128 | White Skylight Caulk | 54 | Roof of 208 Wing | | |
| 20230185-129 | Grey Caulk | 55 | Roof- where pipes meet shed - 223 wing | | |
| 20230185-130 | Grey Caulk | 55 | Roof- where pipes meet shed - 208 wing | | |
| 20230185-131 | Cementatious Ceiling | 56 | Exterior overhang by room 211 | | |
| 20230185-132 | Cementatious Ceiling | 56 | Exterior overhang by room 211 | | |
| 20230185-133 | Silver/Black Coating | 57 | 223 wing, roof, top of vent | | |
| 20230185-134 | Silver/Black Coating | 57 | 223 wing, roof, top of vent | | |
| 20230185-135 | Grey Firestop | 58 | Roof | | |
| 20230185-136 | Grey Firestop | 58 | Roof | | |
| 20230185-137 | Grey Firestop | 58 | Roof | | |
| 20230185-138 | Black Tar | 59 | 217 wing roof, behind rubber flashing on wall | | |
| 20230185-139 | Black Tar | 59 | 217 wing roof, behind rubber flashing on wall | | |
| 20230185-140 | Black Tar | 60 | 217 wing roof on metal deck | | |
| 20230185-141 | Black Tar | 60 | 217 wing roof on metal deck | | |
| 20230185-142 | Brown/Silver Vapor Barrier Paper | 61 | 217 wing roof | | |
| 20230185-143 | Brown/Silver Vapor Barrier Paper | 61 | 217 wing roof | | |
| 20230185-144 | Black Roofing | 62 | 223 wing roof | | |

**Sampled By:** Ted Knapp **Date:** 5/26, 5/30,5/31/23 **Received By:** ____ **Date:** Received

**Relinquished By:** Ted Knapp **Date:** 5/31/2023 **Received By:** ____ **Date:** JUN 05 2023

**Comments:** If PLM NOB is negative, analyze by TEM. Stop at first positive for each homogeneous material description group.
If Vermiculite is detected in a sample cease analysis on that sample immediately and contact the Watts Project Manager for further instructions.

123-06-1030

# WATTS ARCHITECTURE & ENGINEERING
## ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

Page: ____ of ____

**Client:** Trudeau Associates
**Project:** Fingerlakes DDSO Moon Street Renovation
**Building / Location:** 620 Westfall Road, Rochester, New York
**Contact:** Ted Knapp **at (585) 297-0749**
**Preliminary Results to:** tknapp@watts-ae.com
**Mail Report & Invoice to:** **Watts Architecture & Engineering**
**95 Perry Street, Buffalo, NY 14203**

**Date:** 5/31/2023
**Watts Project No.:** 20230185

**Analysis Requested:**
198.1 x 198.6 x 198.4 x

**Turnaround Requested:**
3 Hr. ____ 48 Hr. ____
6 Hr. ____ 72 Hr. ____
12 Hr. ____ 5 Day X
24 Hr. ____ 6-10 Day ____

| Sample Number | Material Description | HA | Sample Location | Laboratory Results PLM | TEM |
|---|---|---|---|---|---|
| 20230185-145 | Black Roofing | 62 | Roof of 208 Wing | | |
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**Sampled By:** Ted Knapp **Date:** 5/26, 5/30,5/31/23 **Received By:** ____ **Date:** ____

**Relinquished By:** Ted Knapp **Date:** 5/31/2023 **Received By:** ____ **Date:** ____

Received
JUN 05 2023

**Comments:** If PLM NOB is negative, analyze by TEM. Stop at first positive for each homogeneous material description group.
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# 3.0 – LEAD-BASED PAINT

## 3.0 LEAD-BASED PAINT (LBP)

### Methodology

Painted building components were grouped by testing combinations. A testing combination is characterized by location, component type, substrate, and visible color. Refer to section 3.1 for a complete listing of all XRF readings that were taken for this project. Each XRF reading is identified by the side of the building it was collected from (North, South, East and West), the component analyzed, the substrate and the paint color of the visible paint film.

The LBP survey was performed using aspects of the Department of Housing and Urban Development (HUD) protocol. Certain aspects of the HUD guidelines are typically applied to public and commercial buildings, most commonly the levels used to establish LBP. HUD defines LBP, when analyzed by a portable XRF, as paint that contains lead at 1.0 milligram per square centimeter or greater. When paint chips are analyzed by Atomic Absorption Spectroscopy (AAS), HUD defines LBP as paint containing 0.5 percent or greater (>0.5%) lead by weight.

For the purposes of this project, the Occupational Safety & Health Administration's (OSHA) Lead in Construction Standard (29 CFR 1926.62) applies. This standard applies to all construction work where an employee may be occupationally exposed to lead. Construction work is defined as work for construction, alteration and/or repair, including painting and decorating. It includes but is not limited to the following:

- Demolition or salvage of structures where lead or materials containing lead are present;
- Removal or encapsulation of materials containing lead;
- New construction, alteration, repair, or renovation of structures, substrates, or portions thereof, that contain lead, or materials containing lead;
- Installation of products containing lead;
- Lead contamination/emergency cleanup;
- Transportation, disposal, storage, or containment of lead or materials containing lead on the site or location at which construction activities are performed; and
- Maintenance operations associated with the construction activities.

### XRF Calibration

In order to field verify the calibration and accuracy of the XRF equipment, "calibration checks" are made both by the equipment itself and by the operator. Before the XRF will allow any testing for lead-based paint, it performs an internal standardization. If the standardization is successful, the operator checks the calibration of the XRF against National Institute of Standards and Technology (NIST) lead samples that were provided by the manufacturer. The operator's calibration checks are taken at the beginning and the end of the testing period, and approximately every four hours, if necessary. The calibration checks are acceptable if the average of the three readings is between 0.8 and 1.2 $mg/cm^2$.

## Disclaimer

This report is based primarily on the results of visual site observations and a general survey of the conditions within the proposed project limits. Watts did not perform a comprehensive inspection (room by room) of all interior and exterior building components. Representative XRF readings were taken from each distinct type of building component associated with the building in order to be able to determine if those components were covered with lead-based paint.

The lead-based paint survey was performed by Watts on May 26 and May 30, 2023

Ted Gorenflo
Lead Inspector

Signature

LBP-I-I242837-1
Certification Number

Address:

Finger Lakes DDSO
620 Westfall Road
Rochester, New York

# 3.1 – X-RAY FLUORESCENCE ANALYZER (XRF) LEAD DATA TABLE

**XRF LEAD DATA TABLE**
**Moon Street Renovation Project**
**Finger Lakes DDSO**
**620 Westfall Road, Rochester, New York**
**Testing Dates: May 26 & 30, 2023** **Heuresis Corp. Pb 200i XRF Lead Paint Analyzer**

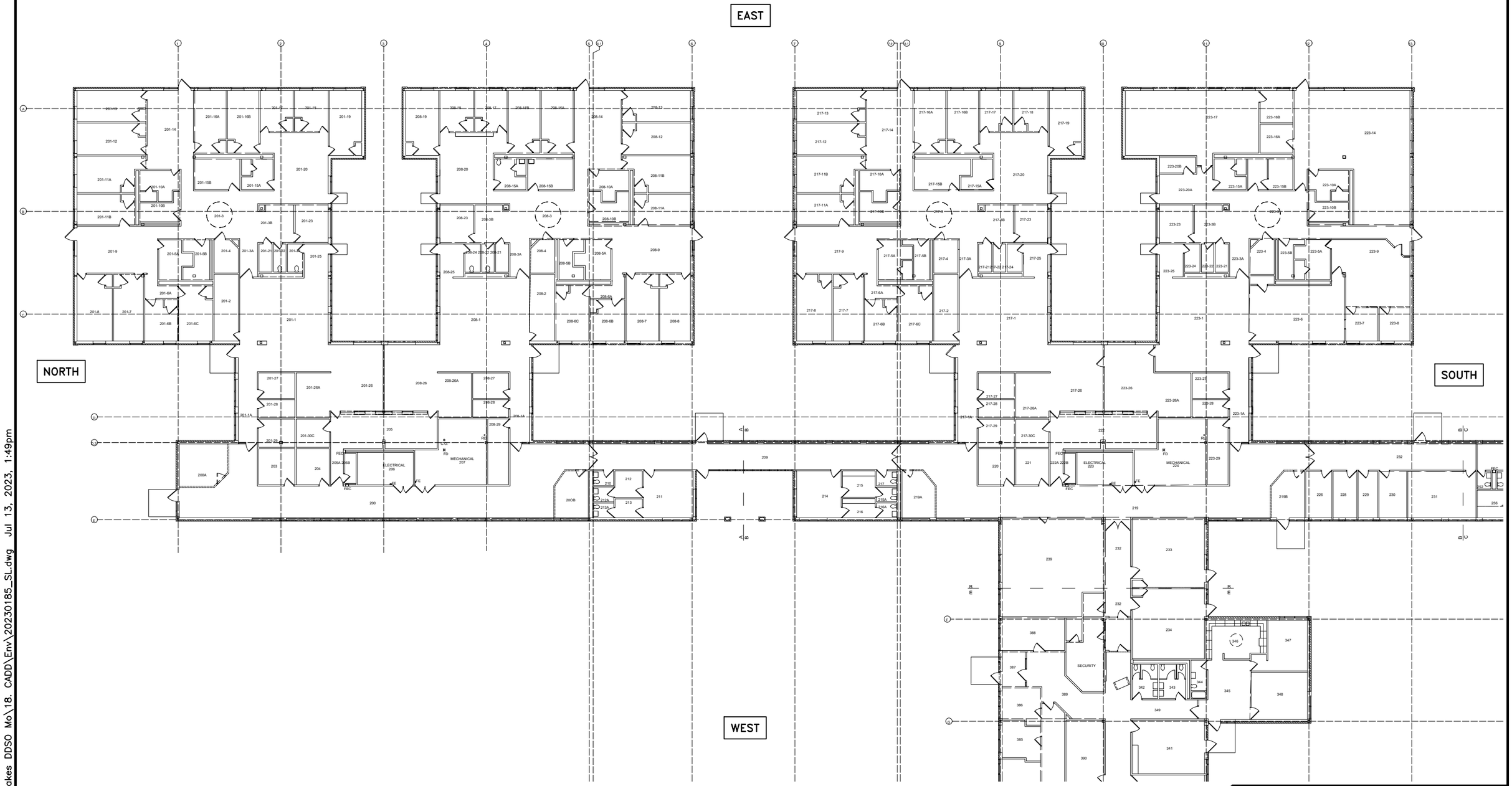
| Reading | Room | Side | Component | Substrate | Color | Condition | Floor | Results ($mg/cm^2$) |
|---|---|---|---|---|---|---|---|---|
| **May 26, 2023** | | | | | | | | |
| 1 | Calibration | | | | | | | 1.1 |
| 2 | Calibration | | | | | | | 1.2 |
| 3 | Calibration | | | | | | | 1.2 |
| 4 | Calibration | | | | | | | 0.2 |
| 5 | Calibration | | | | | | | 0.1 |
| 6 | Calibration | | | | | | | 0.1 |
| 7 | 223-1 | North | Cove Base | Drywall | Light Blue | Intact | First | 0.2 |
| 8 | 223-1 | North | Wall | Drywall | Light Blue | Intact | First | 0.2 |
| 9 | 223-1 | East | Wall | Drywall | Tan | Intact | First | 0.2 |
| 10 | 223-1 | North | Door Frame | Metal | Blue | Intact | First | 0.2 |
| 11 | 223-1 | North | Door | Metal | Blue | Intact | First | 0 |
| 12 | 223-1 | North | Wall | Drywall | White | Intact | First | 0.1 |
| 13 | 223-1 | North | Ceiling | Drywall | White | Intact | First | 0.2 |
| 14 | 223-1 | North | Ceiling Hatch | Metal | White | Intact | First | 0.1 |
| 15 | 223-1 | West | Window Frame | Metal | Black | Intact | First | 0.3 |
| 16 | 223-1 | West | Cove Base | Vinyl | Black | Intact | First | 0.3 |
| 17 | 223-14 | South | Column | Foam | White | Intact | First | 0.3 |
| 18 | 223-14 | West | Door Frame | Metal | White | Intact | First | 0.1 |
| 19 | 223-14 | West | Wall | Drywall | White | Intact | First | 0.1 |
| 20 | 223-10A | West | Floor | Ceramic | White | Intact | First | 0.1 |
| 21 | 223-10A | East | Toilet | Ceramic | White | Intact | First | 0.3 |
| 22 | 223-10B | East | Cove Base | Vinyl | Beige | Intact | First | 0.4 |
| 23 | 223-9 | North | Wall | Drywall | Yellow | Intact | First | 0.1 |
| 24 | 223-9 | North | Door Frame | Metal | Yellow | Intact | First | 0.1 |
| 25 | 223-1 | North | Floor | Ceramic | Light Brown | Intact | First | 0.2 |
| 26 | 223-1 | West | Floor HVAC | Metal | Brown | Intact | First | 0.2 |
| 27 | 223-26 | South | Door Frame | Metal | Lavender | Intact | First | 0.2 |
| 28 | Mechanical 224 | West | Wall | Drywall | White | Intact | First | 0.1 |
| 29 | Mechanical 224 | South | Door Frame | Metal | White | Intact | First | 0.1 |
| 30 | Mechanical 224 | South | Door | Metal | White | Intact | First | 0.1 |
| 31 | Mechanical 224 | North | I-Beam | Metal | Red | Intact | First | 0.2 |
| 32 | Mechanical 224 | North | I-Beam | Metal | Red | Intact | First | 0.1 |
| 33 | Electrical 223 | North | I-Beam | Metal | Red | Intact | First | 0.2 |
| 34 | 217-1 | South | Wall | Plaster | Tan | Intact | First | 0.2 |
| 35 | 217-1 | South | Support Column | Plaster | Tan | Intact | First | 0.4 |
| 36 | 217-1 | South | Ceiling | Drywall | White | Intact | First | 0.2 |
| 37 | 217-1 | West | Door Frame | Metal | Black | Intact | First | 0.1 |
| 38 | 217-1 | West | Door | Metal | Black | Intact | First | 0.2 |
| 39 | 217-1 | West | Floor HVAC | Metal | Brown | Intact | First | 0 |
| 40 | 217-1 | South | Wall | Plaster | White | Intact | First | 0.2 |
| 41 | 217-1 | East | Cove Base | Vinyl | Grey | Intact | First | 0.1 |
| 42 | 217-26 | East | Wall | Plaster | Pink | Intact | First | 0.1 |
| 43 | 217-26 | East | Cove Base | Vinyl | Beige | Intact | First | 0.5 |
| 44 | 217-1 | North | Door Frame | Metal | Tan | Intact | First | 0.1 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 45 | 217-1 | North | Door | Metal | Tan | Intact | First | 0.1 |
| 46 | 217-1 | North | Water Fountain | Metal | Silver | Intact | First | 0.1 |
| 47 | 217-26 | South | Window Frame | Metal | Silver | Intact | First | 0.1 |
| **48** | **217-22** | **South** | **Sink** | **Ceramic** | **White** | **Intact** | **First** | **25.2** |
| **49** | **217-22** | **South** | **Sink** | **Ceramic** | **White** | **Intact** | **First** | **24.7** |
| 50 | 217-22 | South | Toilet | Ceramic | White | Intact | First | 0.4 |
| 51 | 217-22 | South | Floor | Ceramic | White | Intact | First | 0.2 |
| 52 | 217-22 | North | Door Frame | Metal | Yellow | Intact | First | 0.1 |
| 53 | 217-23 | North | Wall | Drywall | White | Intact | First | 0.3 |
| 54 | 217-23 | South | Wall | Plaster | White | Intact | First | 0.2 |
| 55 | 217-5B | East | Wall | Drywall | Pink | Intact | First | 0.1 |
| 56 | 217-5B | East | Ceiling | Drywall | White | Intact | First | 0.1 |
| 57 | 217-11B | East | Cove Base | Vinyl | White | Intact | First | 0.2 |
| 58 | 217-3A | East | Fire Extinguisher Box | Metal | Red | Intact | First | 0 |
| 59 | 219 | North | Wall | Plaster | White | Intact | First | 0.3 |
| 60 | 219 | North | Cove Base | Vinyl | Brown | Intact | First | 0.6 |
| 61 | 219 | North | Cove Base | Vinyl | Brown | Intact | First | 0.7 |
| 62 | 219A | North | Wall | Drywall | Lime | Intact | First | 0.1 |
| 63 | 219 | West | Door Frame | Metal | Dark Brown | Intact | First | 0.1 |
| 64 | 219 | West | Door Frame | Metal | Dark Brown | Intact | First | 0 |
| 65 | 219 | South | Window Frame | Metal | Dark Brown | Intact | First | 0.1 |
| 66 | 219 | South | Window Frame | Metal | Black | Intact | First | 0.2 |
| **67** | **217-24** | **West** | **Sink** | **Ceramic** | **White** | **Intact** | **First** | **27.4** |
| **May 30, 2023** | | | | | | | | |
| 68 | Calibration | | | | | | | 1.1 |
| 69 | Calibration | | | | | | | 1.1 |
| 70 | Calibration | | | | | | | 1 |
| 71 | Calibration | | | | | | | 0.2 |
| 72 | Calibration | | | | | | | 0.1 |
| 73 | Calibration | | | | | | | 0.1 |
| 74 | 208-1 | North | Wall | Drywall | White | Intact | First | 0.2 |
| 75 | 208-1 | West | Wall | Plaster | White | Intact | First | 0.3 |
| 76 | 208-1 | North | Ceiling | Drywall | White | Intact | First | 0.1 |
| 77 | 208-1 | East | Ceiling Hatch | Metal | White | Intact | First | 0.1 |
| 78 | 208-1 | East | Door Frame | Metal | White | Intact | First | 0.1 |
| 79 | 208-1 | East | Cove Base | Vinyl | Beige | Intact | First | 0.4 |
| 80 | 208-1 | North | Door | Metal | White | Intact | First | 0.1 |
| 81 | 208-1 | West | HVAC Floor Unit | Metal | Dark Brown | Intact | First | 0.1 |
| **82** | **208-24** | **East** | **Sink** | **Ceramic** | **White** | **Intact** | **First** | **26.7** |
| 83 | 208-24 | South | Toilet | Ceramic | White | Intact | First | 0.3 |
| 84 | 208-24 | South | Floor Tile | Ceramic | White | Intact | First | 0 |
| 85 | 208-1 | North | Floor Tile | Ceramic | Brown | Intact | First | 0.1 |
| 86 | 208-2 | East | Cove Base | Vinyl | Brown | Intact | First | 0.8 |
| 87 | 208-2 | East | Cove Base | Vinyl | Brown | Intact | First | 0.8 |
| 88 | 208-21 | East | Wall | Plaster | White | Intact | First | 0.2 |
| 89 | 208-21 | South | Cove Base | Vinyl | Black | Intact | First | 0.1 |
| 90 | 208-21 | South | Wall | Ceramic | White | Intact | First | 0.5 |
| 91 | 208-14 | East | Wall | Drywall | Tan | Intact | First | 0.2 |
| 92 | 208-14 | East | Door Frame | Metal | Tan | Intact | First | 0.1 |
| 93 | 208-14 | North | Door Frame | Metal | Black | Intact | First | 0.1 |
| 94 | 208-14 | North | Door | Metal | Black | Intact | First | 0.1 |
| 95 | 208-14 | North | Window Frame | Metal | Black | Intact | First | 0.1 |
| 96 | 208-14 | North | Ceiling | Drywall | White | Intact | First | 0.1 |

| 97 | Hallway 200 | North | Wall | Plaster | White | Intact | First | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 98 | Hallway 200 | South | Railing | Metal | Brown | Intact | First | 0.2 |
| 99 | 201-1 | East | Railing | Plaster | Lime | Intact | First | 0.2 |
| 100 | 201-1 | North | Railing | Drywall | Lime | Intact | First | 0.2 |
| 101 | 201-1 | North | Cove Base | Vinyl | Green | Intact | First | 0.6 |
| 102 | 201-1 | West | Door Frame | Metal | Lime | Intact | First | 0.1 |
| 103 | 201-1 | West | Door | Metal | Lime | Intact | First | 0.1 |
| 104 | 201-25 | North | Wall | Plaster | Teal | Intact | First | 0.2 |
| 105 | 207 | North | I-Beam | Metal | Burgundy | Intact | First | 0.2 |
| 106 | 207 | North | I-Beam | Metal | Burgundy | Intact | First | 0.2 |
| 107 | Hallway 200 | North | Fire Extinguisher Box | Metal | Red | Intact | First | 0 |
| 108 | 201-1 | North | Ceiling | Drywall | White | Intact | First | 0 |
| 109 | 201-3 | North | Ceiling | Drywall | White | Intact | First | 0.1 |
| 110 | 201-3 | South | Electric Panel | Metal | Grey | Intact | First | 0.1 |
| 111 | 201-3 | North | Door Frame | Metal | Lime | Intact | First | 0.1 |
| 112 | 201-20 | North | Wall | Drywall | Teal | Intact | First | 0.2 |
| 113 | 201-20 | South | Cove Base | Vinyl | Green | Intact | First | 0.8 |
| 114 | 201-11B | North | Wall | Drywall | Tan | Intact | First | 0.2 |
| 115 | 201-11B | North | Door Frame | Metal | Teal | Intact | First | 0.1 |
| 116 | 201-15B | North | Threshold | Ceramic | Grey | Intact | First | 0.1 |
| 117 | Exterior | North | Wall | Brick | Brown | Intact | First | 0.1 |
| 118 | Exterior | East | Wall | Brick | Tan | Intact | First | 0 |
| 119 | Exterior | South | Wall | Brick | Tan | Intact | First | 0.1 |
| 120 | Exterior | South | Door Frame | Metal | Black | Intact | First | 0.2 |
| 121 | Exterior | South | Door | Metal | Black | Intact | First | 0.1 |
| 122 | Exterior | East | Window Frame | Metal | Black | Intact | First | 0.3 |
| 123 | Exterior | North | Bench | Vinyl | Green | Intact | First | 0.2 |
| 124 | Roof | South | Stair | Metal | Black | Intact | Roof | 0.1 |
| 125 | Roof | East | Vent | Metal | Pink | Intact | Roof | 0 |
| 126 | Roof | East | HVAC Ductwork | Metal | Grey | Intact | Roof | 0.1 |
| 127 | Roof | West | HVAC Ductwork | Metal | Grey | Intact | Roof | 0.1 |
| 128 | Roof | West | Vent | Metal | Pink | Intact | Roof | 0.2 |
| 129 | Roof | West | Coping | Metal | Beige | Intact | Roof | 0.2 |
| 130 | Roof | East | Coping | Metal | Beige | Intact | Roof | 0.2 |
| 131 | Roof | West | Vent | Metal | Tan | Intact | Roof | 0 |
| 132 | Roof | West | Yard Light | Metal | Brown | Intact | Roof | 0.5 |
| 133 | Roof | East | HVAC | Metal | Grey | Intact | Roof | 0.1 |
| 134 | Roof | West | HVAC | Metal | Grey | Intact | Roof | 0.1 |
| 135 | Roof | North | Vent | Metal | Pink | Intact | Roof | 0.1 |
| 136 | Roof | East | Flashing | Metal | Brown | Intact | Roof | 0.4 |
| 137 | Roof | West | Flashing | Metal | Brown | Intact | Roof | 0.4 |
| 138 | 232 | North | Door | Metal | White | Intact | First | 0 |
| 139 | 232 | North | Door Frame | Metal | Brown | Intact | First | 0.2 |
| 140 | 209 | North | Wall | Plaster | White | Intact | First | 0.2 |
| 141 | 209 | North | Door Frame | Metal | White | Intact | First | 0.2 |
| 142 | 209 | South | HVAC Floor Unit | Metal | Brown | Intact | First | 0.2 |
| 143 | 209 | South | Cove Base | Vinyl | Brown | Intact | First | 0.6 |
| 144 | 217 | South | Wall | Ceramic | White | Intact | First | 0.3 |

**Bold rows indicate the presence of lead-based paint.**

# 3.2 – XRF TESTING REFERENCE DRAWING




INTERIOR PLAN

XRF LEAD-BASED PAINT REFERENCE DRAWING
MOON STREET RENOVATION PROJECT
INTERIOR PLAN

Watts Architects &Engineers
95 Perry Street, Suite 300
Buffalo, NY 14203

FINGER LAKES DDSO
620 WESTFALL ROAD
ROCHESTER, NEW YORK

NOT TO SCALE | JULY 2023

XRF TESTING WAS CONDUCTED ON MAY 31, 2023.

R:\2023\20230185 Finger Lakes DDSO Mo\18. CADD\Env\20230185_SL.dwg Jul 13, 2023, 1:49pm

# 4.0 – POLYCHLORINATED BIPHENYLS IN CAULKS AND SEALANTS

## 4.0 POLYCHLORINATED BIPHENYLS (PCBs) IN CAULKS AND SEALANTS

### Sampling and Laboratory Methodology

The Environmental Protection Agency (EPA) regulates PCBs and considers any debris generated from construction materials manufactured with PCBs derived from building renovation projects with a concentration of greater than or equal to 50 parts per million (ppm) as PCB bulk product waste. The Toxic Substances Control Act (TSCA) regulations (40 CFR Part 761) prescribes requirements for the proper management of PCB materials, including their handling and disposal. PCB bulk product waste at concentrations ≥ 50 ppm must follow specific storage, transport and disposal requirements.

Watts collected bulk samples of seven (7) suspect PCB-containing caulks and sealants that were identified within the building interior and exterior.

Bulk samples were collected using simple hand tools from each matrix identified as a potential PCB-containing material. The samples were analyzed by Schneider Laboratories in Richmond, Virginia. Schneider Laboratories is a New York State Department of Health (NYSDOH) approved laboratory and participant in the National Voluntary Laboratory Approval Program (NVLAP). The samples were analyzed using USEPA SW-846 Method 8082A, PCBs.

The table on the following page identifies each suspect material identified, its corresponding sample number and PCB aroclor analytical results.

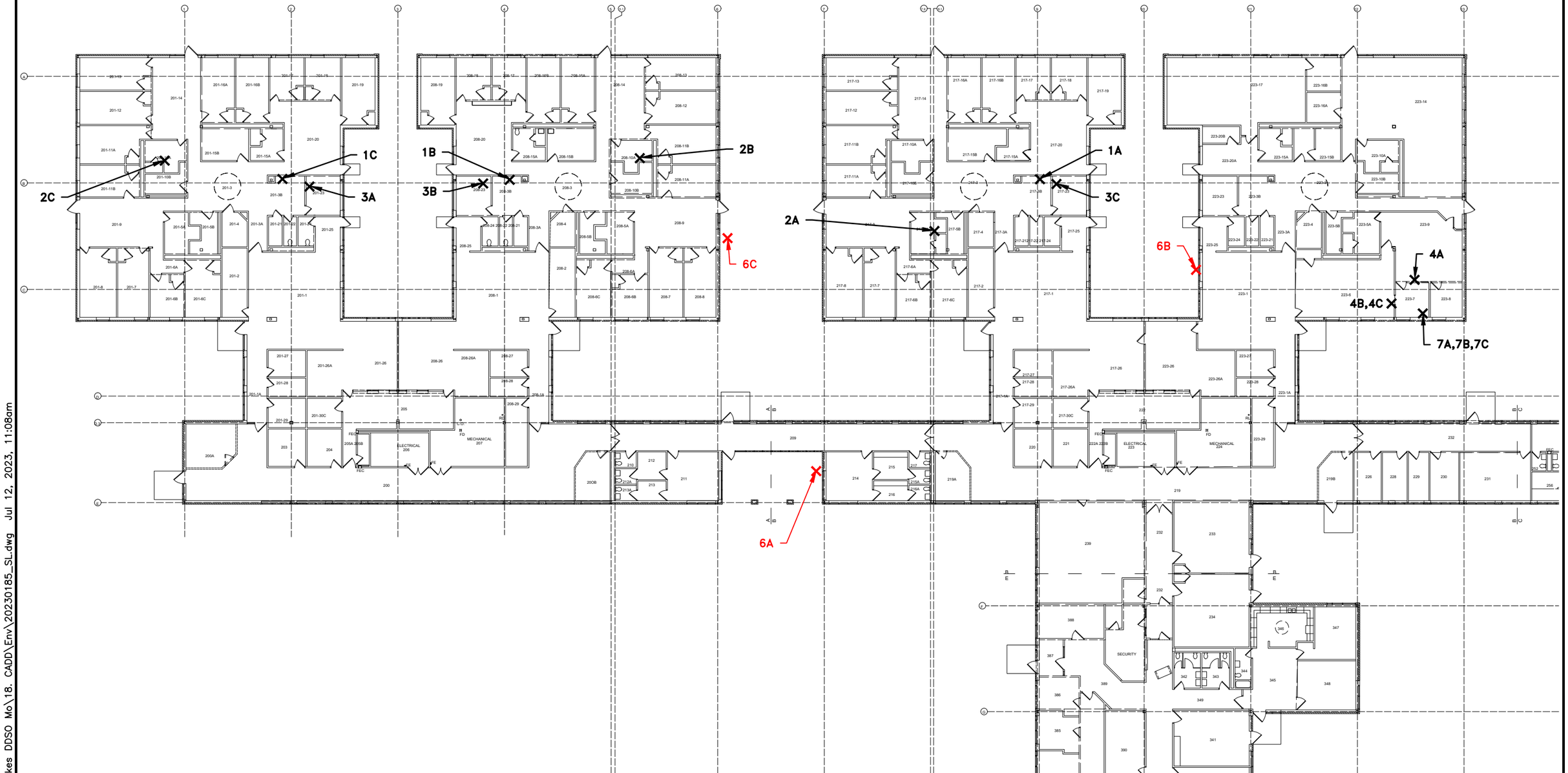
POLYCHLORINATED BIPHENYLS (PCBs)
PRE-RENOVATION SURVEY
MOON STREET RENOVATION PROJECT
FINGER LAKES DDSO
620 WESTFALL ROAD
ROCHESTER, NEW YORK

| PCB Concentration (mg/kg or ppm) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample Number | Aroclor 1016 | Aroclor 1221 | Aroclor 1232 | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Aroclor 1262 | Aroclor 1268 | Sample Description |
| PCB--01 | ND | ND | ND | ND | ND | ND | ND | ND | ND | White Counter Caulk |
| PCB--02 | ND | ND | ND | ND | ND | ND | ND | ND | ND | White Shower Caulk |
| PCB--03 | ND | ND | ND | ND | ND | ND | ND | ND | ND | White Sink Caulk |
| PCB--04 | <2.28 | <2.28 | <2.28 | <2.28 | <2.28 | <2.28 | <2.28 | <2.28 | <2.28 | Grey Window Glazing Compound |
| PCB--05 | ND | ND | ND | ND | ND | ND | ND | ND | ND | White Skylight Caulk |
| **PCB--06** | **<471** | **<471** | **<471** | **<471** | **<471** | **<471** | **6,560** | **<471** | **<471** | **Dark Brown/Grey Exterior Caulk** |
| PCB--07 | ND | ND | ND | ND | ND | ND | ND | ND | ND | Red Caulk at Exhaust Vent |

Abbreviations:
Bold = PCB > 50 ppm
ND = None Detected
mg/kg = milligram per kilogram
ppm = parts per million

Drawings depicting the approximate PCB sample locations are included in Section 4.2 of this report. It is the belief of Watts that this investigation has identified all suspect PCB-containing materials. However, if additional suspect materials are identified that have not been previously sampled or sampled as part of this assessment, samples of each material should be collected and analyzed for PCB content.

# 4.1 – PCB SAMPLE LOCATION DRAWINGS




INTERIOR PLAN

ALL SAMPLES ARE PREFIXED BY **230185-PCB-**

SAMPLES WERE COLLECTED ON MAY 31, 2023.

✕ INDICATES APPROXIMATE SAMPLE LOCATION

✕ SAMPLE NUMBERS IN RED WERE IDENTIFIED TO BE PCB CONTAINING.

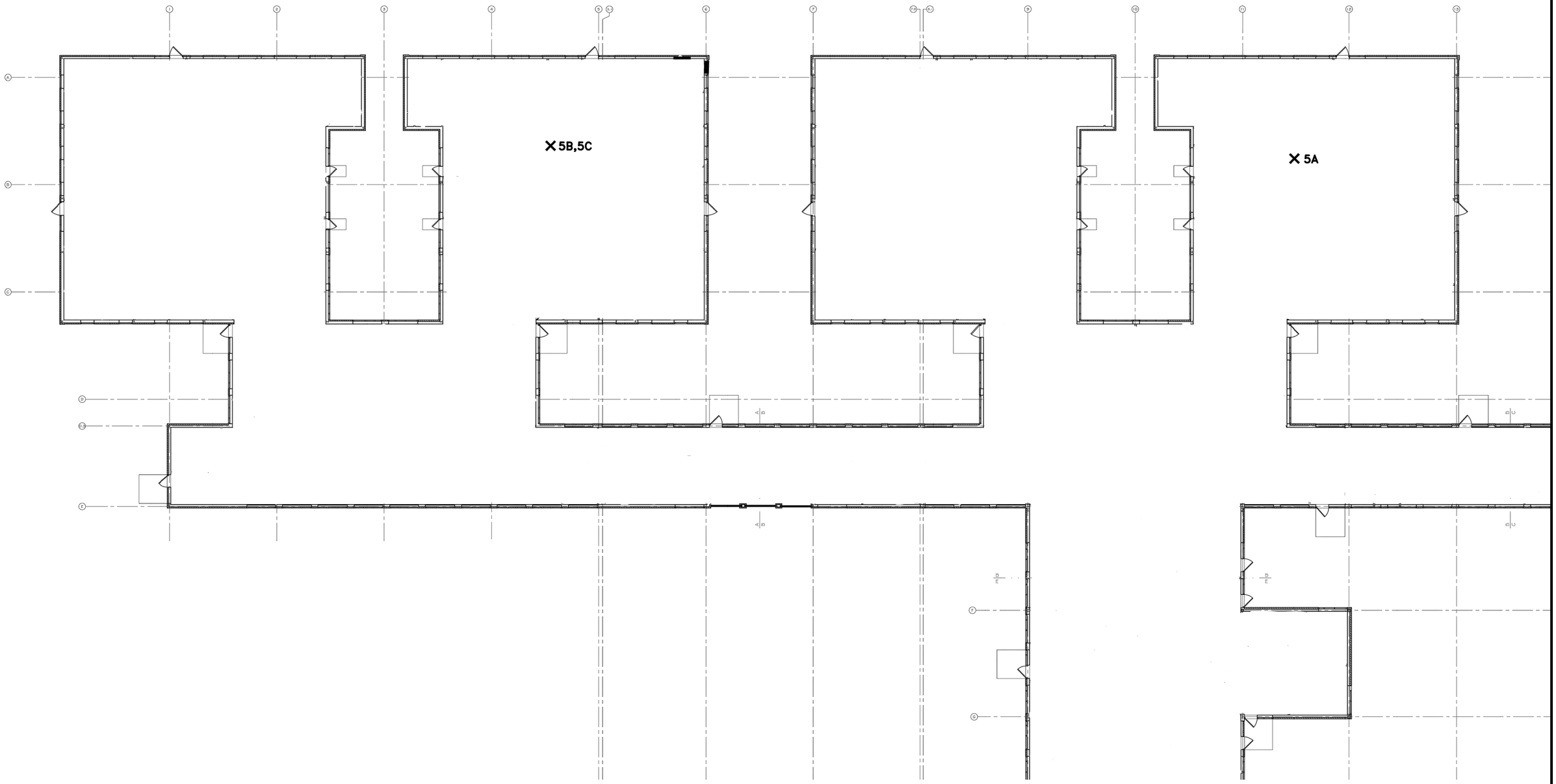
PCB CAULK/SEALANT SAMPLE LOCATIONS
MOON STREET RENOVATION PROJECT
INTERIOR PLAN

Watts Architects &Engineers
95 Perry Street, Suite 300
Buffalo, NY 14203

FINGER LAKES DDSO
620 WESTFALL ROAD
ROCHESTER, NEW YORK

NOT TO SCALE | JULY 2023

R:\2023\20230185 Finger Lakes DDSO Mo\18. CADD\Env\20230185_SL.dwg Jul 12, 2023, 11:08am




ROOF PLAN

ALL SAMPLES ARE PREFIXED BY **230185-PCB-**

SAMPLES WERE COLLECTED ON MAY 31, 2023.

✕ INDICATES APPROXIMATE SAMPLE LOCATION

✕ SAMPLE NUMBERS IN RED WERE IDENTIFIED TO BE PCB CONTAINING.

Watts Architects &Engineers
95 Perry Street, Suite 300
Buffalo, NY 14203

PCB CAULK/SEALANT SAMPLE LOCATIONS
MOON STREET RENOVATION PROJECT
ROOF PLAN

FINGER LAKES DDSO
620 WESTFALL ROAD
ROCHESTER, NEW YORK

NOT TO SCALE | JULY 2023

R:\2023\20230185 Finger Lakes DDSO Mo\18. CADD\Env\20230185_SL.dwg Jul 12, 2023, 11:08am

# 4.2– PCB LABORATORY REPORTS AND CHAIN-OF-CUSTODY FORMS

**Analysis Report**

# Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

**Customer:** Watts Architecture & Engineering (4637)
**Address:** 95 Perry Street Suite 300
Buffalo, NY 14203

**Attn:**

**Project:** Fingerlakes DDSO Moon St
**Location:** 620 Westfall Rd Rochester NY
**Number:** 20230185

**Order #:** 518356

**Matrix** Bulk
**Received** 06/01/23
**Reported** 06/05/23

**PO Number:** 7628

| Sample ID / Parameter | Cust. Sample ID | Location / Method | Result | RL* | Units | Analysis Date | Analyst |
|---|---|---|---|---|---|---|---|
| **518356-001** | PCB-1 A,B,C | White Counter Caulk | | | | | |
| ***Semi-volatile Organic Compounds*** | | | | | | | |
| Aroclor - 1016 | | SW846 8082A | **<477** | 477 | µg/kg | 06/02/23 | KF |
| Aroclor - 1221 | | SW846 8082A | **<477** | 477 | µg/kg | 06/02/23 | KF |
| Aroclor - 1232 | | SW846 8082A | **<477** | 477 | µg/kg | 06/02/23 | KF |
| Aroclor - 1242 | | SW846 8082A | **<477** | 477 | µg/kg | 06/02/23 | KF |
| Aroclor - 1248 | | SW846 8082A | **<477** | 477 | µg/kg | 06/02/23 | KF |
| Aroclor - 1254 | | SW846 8082A | **<477** | 477 | µg/kg | 06/02/23 | KF |
| Aroclor - 1260 | | SW846 8082A | **<477** | 477 | µg/kg | 06/02/23 | KF |
| Aroclor - 1262 | | SW846 8082A | **<477** | 477 | µg/kg | 06/02/23 | KF |
| Aroclor - 1268 | | SW846 8082A | **<477** | 477 | µg/kg | 06/02/23 | KF |
| **518356-002** | PCB-2 A,B,C | White Shower Caulk | | | | | |
| ***Semi-volatile Organic Compounds*** | | | | | | | |
| Aroclor - 1016 | | SW846 8082A | **<462** | 462 | µg/kg | 06/02/23 | KF |
| Aroclor - 1221 | | SW846 8082A | **<462** | 462 | µg/kg | 06/02/23 | KF |
| Aroclor - 1232 | | SW846 8082A | **<462** | 462 | µg/kg | 06/02/23 | KF |
| Aroclor - 1242 | | SW846 8082A | **<462** | 462 | µg/kg | 06/02/23 | KF |
| Aroclor - 1248 | | SW846 8082A | **<462** | 462 | µg/kg | 06/02/23 | KF |
| Aroclor - 1254 | | SW846 8082A | **<462** | 462 | µg/kg | 06/02/23 | KF |
| Aroclor - 1260 | | SW846 8082A | **<462** | 462 | µg/kg | 06/02/23 | KF |
| Aroclor - 1262 | | SW846 8082A | **<462** | 462 | µg/kg | 06/02/23 | KF |
| Aroclor - 1268 | | SW846 8082A | **<462** | 462 | µg/kg | 06/02/23 | KF |
| **518356-003** | PCB-3 A,B,C | White Sink Caulk | | | | | |
| ***Semi-volatile Organic Compounds*** | | | | | | | |
| Aroclor - 1016 | | SW846 8082A | **<455** | 455 | µg/kg | 06/02/23 | KF |
| Aroclor - 1221 | | SW846 8082A | **<455** | 455 | µg/kg | 06/02/23 | KF |
| Aroclor - 1232 | | SW846 8082A | **<455** | 455 | µg/kg | 06/02/23 | KF |
| Aroclor - 1242 | | SW846 8082A | **<455** | 455 | µg/kg | 06/02/23 | KF |
| Aroclor - 1248 | | SW846 8082A | **<455** | 455 | µg/kg | 06/02/23 | KF |
| Aroclor - 1254 | | SW846 8082A | **<455** | 455 | µg/kg | 06/02/23 | KF |

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results apply to the sample as received.

**Analysis Report**

# Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

**Customer:** Watts Architecture & Engineering (4637)
**Address:** 95 Perry Street Suite 300
Buffalo, NY 14203

**Attn:**

**Project:** Fingerlakes DDSO Moon St
**Location:** 620 Westfall Rd Rochester NY
**Number:** 20230185

**Order #:** 518356

**Matrix** Bulk
**Received** 06/01/23
**Reported** 06/05/23

**PO Number:** 7628

| Sample ID / Parameter | Cust. Sample ID | Location / Method | Result | RL* | Units | Analysis Date | Analyst |
|---|---|---|---|---|---|---|---|
| **518356-003** | PCB-3 A,B,C | White Sink Caulk | | | | | |
| Aroclor - 1260 | | SW846 8082A | **<455** | 455 | µg/kg | 06/02/23 | KF |
| Aroclor - 1262 | | SW846 8082A | **<455** | 455 | µg/kg | 06/02/23 | KF |
| Aroclor - 1268 | | SW846 8082A | **<455** | 455 | µg/kg | 06/02/23 | KF |
| **518356-004** | PCB-4 A,B,C | Grey Window Glazing Comp. | | | | | |
| ***Semi-volatile Organic Compounds*** | | | | | | | |
| Aroclor - 1016 | | SW846 8082A | **<2280** | 2280 | µg/kg | 06/02/23 | KF |
| Aroclor - 1221 | | SW846 8082A | **<2280** | 2280 | µg/kg | 06/02/23 | KF |
| Aroclor - 1232 | | SW846 8082A | **<2280** | 2280 | µg/kg | 06/02/23 | KF |
| Aroclor - 1242 | | SW846 8082A | **<2280** | 2280 | µg/kg | 06/02/23 | KF |
| Aroclor - 1248 | | SW846 8082A | **<2280** | 2280 | µg/kg | 06/02/23 | KF |
| Aroclor - 1254 | | SW846 8082A | **<2280** | 2280 | µg/kg | 06/02/23 | KF |
| Aroclor - 1260 | | SW846 8082A | **<2280** | 2280 | µg/kg | 06/02/23 | KF |
| Aroclor - 1262 | | SW846 8082A | **<2280** | 2280 | µg/kg | 06/02/23 | KF |
| Aroclor - 1268 | | SW846 8082A | **<2280** | 2280 | µg/kg | 06/02/23 | KF |
| **518356-005** | PCB-5 A,B,C | White Skylight Caulk | | | | | |
| ***Semi-volatile Organic Compounds*** | | | | | | | |
| Aroclor - 1016 | | SW846 8082A | **<488** | 487 | µg/kg | 06/02/23 | KF |
| Aroclor - 1221 | | SW846 8082A | **<488** | 487 | µg/kg | 06/02/23 | KF |
| Aroclor - 1232 | | SW846 8082A | **<488** | 487 | µg/kg | 06/02/23 | KF |
| Aroclor - 1242 | | SW846 8082A | **<488** | 487 | µg/kg | 06/02/23 | KF |
| Aroclor - 1248 | | SW846 8082A | **<488** | 487 | µg/kg | 06/02/23 | KF |
| Aroclor - 1254 | | SW846 8082A | **<488** | 487 | µg/kg | 06/02/23 | KF |
| Aroclor - 1260 | | SW846 8082A | **<488** | 487 | µg/kg | 06/02/23 | KF |
| Aroclor - 1262 | | SW846 8082A | **<488** | 487 | µg/kg | 06/02/23 | KF |
| Aroclor - 1268 | | SW846 8082A | **<488** | 487 | µg/kg | 06/02/23 | KF |
| **518356-006** | PCB-6 A,B,C | Ext Dark Brown/Grey | | | | | |
| ***Semi-volatile Organic Compounds*** | | | | | | | |
| Aroclor - 1016 | | SW846 8082A | **<471000** | 471000 | µg/kg | 06/02/23 | KF |
| Aroclor - 1221 | | SW846 8082A | **<471000** | 471000 | µg/kg | 06/02/23 | KF |

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results apply to the sample as received.

**Analysis Report**

# Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

**Customer:** Watts Architecture & Engineering (4637)
**Address:** 95 Perry Street Suite 300
Buffalo, NY 14203

**Attn:**

**Project:** Fingerlakes DDSO Moon St
**Location:** 620 Westfall Rd Rochester NY
**Number:** 20230185

**Order #:** 518356

**Matrix** Bulk
**Received** 06/01/23
**Reported** 06/05/23

**PO Number:** 7628

| Sample ID / Parameter | Cust. Sample ID / Method | Result | RL* | Units | Analysis Date | Analyst |
|---|---|---|---|---|---|---|
| **518356-006** | PCB-6 A,B,C / Ext Dark Brown/Grey | | | | | |
| Aroclor - 1232 | SW846 8082A | **<471000** | 471000 | µg/kg | 06/02/23 | KF |
| Aroclor - 1242 | SW846 8082A | **<471000** | 471000 | µg/kg | 06/02/23 | KF |
| Aroclor - 1248 | SW846 8082A | **<471000** | 471000 | µg/kg | 06/02/23 | KF |
| Aroclor - 1254 | SW846 8082A | **<471000** | 471000 | µg/kg | 06/02/23 | KF |
| Aroclor - 1260 | SW846 8082A | **6560000** | 471000 | µg/kg | 06/02/23 | KF |
| Aroclor - 1262 | SW846 8082A | **<471000** | 471000 | µg/kg | 06/02/23 | KF |
| Aroclor - 1268 | SW846 8082A | **<471000** | 471000 | µg/kg | 06/02/23 | KF |
| **518356-007** | PCB-7 A,B,C / Red Caulk At Exhaust Vent | | | | | |
| ***Semi-volatile Organic Compounds*** | | | | | | |
| Aroclor - 1016 | SW846 8082A | **<466** | 466 | µg/kg | 06/02/23 | KF |
| Aroclor - 1221 | SW846 8082A | **<466** | 466 | µg/kg | 06/02/23 | KF |
| Aroclor - 1232 | SW846 8082A | **<466** | 466 | µg/kg | 06/02/23 | KF |
| Aroclor - 1242 | SW846 8082A | **<466** | 466 | µg/kg | 06/02/23 | KF |
| Aroclor - 1248 | SW846 8082A | **<466** | 466 | µg/kg | 06/02/23 | KF |
| Aroclor - 1254 | SW846 8082A | **<466** | 466 | µg/kg | 06/02/23 | KF |
| Aroclor - 1260 | SW846 8082A | **<466** | 466 | µg/kg | 06/02/23 | KF |
| Aroclor - 1262 | SW846 8082A | **<466** | 466 | µg/kg | 06/02/23 | KF |
| Aroclor - 1268 | SW846 8082A | **<466** | 466 | µg/kg | 06/02/23 | KF |

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results apply to the sample as received.

**Analysis Report**

# Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

**Customer:** Watts Architecture & Engineering (4637)
**Address:** 95 Perry Street Suite 300
Buffalo, NY 14203

**Attn:**

**Project:** Fingerlakes DDSO Moon St
**Location:** 620 Westfall Rd Rochester NY
**Number:** 20230185

**Order #:** 518356

**Matrix** Bulk
**Received** 06/01/23
**Reported** 06/05/23

**PO Number:** 7628

| Sample ID / Parameter | Cust. Sample ID / Method | Location | Result | RL* | Units | Analysis Date | Analyst |
|---|---|---|---|---|---|---|---|

**518356-06/05/23 04:41 PM**

Kelly Muncy

Reviewed By: **Kelly Muncy**
Manager

## Surrogate Recoveries

| | |
|---|---|
| **518356-001 - PCB** | |
| DCB | MI |
| TCMX | MI |
| **518356-002 - PCB** | |
| DCB | MI |
| TCMX | MI |
| **518356-003 - PCB** | |
| DCB | MI |
| TCMX | MI |
| **518356-004 - PCB** | |
| DCB | D |
| TCMX | D |
| **518356-005 - PCB** | |
| DCB | MI |
| TCMX | MI |
| **518356-006 - PCB** | |
| DCB | D |
| TCMX | D |
| **518356-007 - PCB** | |
| DCB | MI |
| TCMX | MI |

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results apply to the sample as received.

**Analysis Report**

# Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

**Customer:** Watts Architecture & Engineering (4637)
**Address:** 95 Perry Street Suite 300
Buffalo, NY 14203

**Attn:**

**Project:** Fingerlakes DDSO Moon St
**Location:** 620 Westfall Rd Rochester NY
**Number:** 20230185

**Order #:** 518356

**Matrix** Bulk
**Received** 06/01/23
**Reported** 06/05/23

**PO Number:** 7628

| Sample ID | Cust. Sample ID | Location | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | | Method | Result | RL* | Units | Analysis Date | Analyst |

## State Certifications

| Method | Parameter | New York | Virginia |
|---|---|---|---|
| SW846 8082A | Aroclor - 1016 | ELAP Certified | VELAP Certified |
| SW846 8082A | Aroclor - 1221 | ELAP Certified | VELAP Certified |
| SW846 8082A | Aroclor - 1232 | ELAP Certified | VELAP Certified |
| SW846 8082A | Aroclor - 1242 | ELAP Certified | VELAP Certified |
| SW846 8082A | Aroclor - 1248 | ELAP Certified | VELAP Certified |
| SW846 8082A | Aroclor - 1254 | ELAP Certified | VELAP Certified |
| SW846 8082A | Aroclor - 1260 | ELAP Certified | VELAP Certified |
| SW846 8082A | Aroclor - 1262 | ELAP Certified | VELAP Certified |
| SW846 8082A | Aroclor - 1268 | ELAP Certified | VELAP Certified |

| State | Certificate Number |
|---|---|
| New York | ELAP 66375 |
| Virginia | VELAP 12299 |

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results apply to the sample as received.

**SCHNEIDER LABORATORIES GLOBAL, INC.**
2512 West Cary Street, Richmond, Virginia 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475
www.slabinc.com • info@slabinc.com

0 7

**518356**

V:\518\518356

jlee 6/1/2023 9:44:37 AM
UPS 1Z2E28998469405173

| | | | | | |
|---|---|---|---|---|---|
| Submitting Co. | Watts Architecture & Engineering | State of Collection | | Cert. Required | ☐ YES ☐ NO |
| 510 Clinton Square, Suite 510 | | Acct # | 4637 | Phone | 585-297-0749 |
| Rochester, NY 14604 | | Email | tknapp@watts-ae.com | | |
| Project Name | Fingerlakes DDSO Moon Street Renovation | PO # | | | |
| Project Location | 620 Westfall Rd, Rochester, NY | Special Instructions: Composite and analyze sub-samples as directed in individual sample requests column. This is per a DASNY directive. Please call me at the number above to discuss. | | | |
| Project Number | 20230185 | | | | |
| Collected By | Ted Knapp | | | | |

**Turn Around Time****
- ☐ Same day *
- ☐ 1 business day
- ☐ 2 business days
- ☐ 3 business days
- ■ 5 business days

* not available for all tests

** A job received past 3 PM will begin its TAT the next business day

Please schedule rush tests in advance

**Matrix**
- ☐ Paint
- ■ Bulk
- ☐ Soil
- ☐ Wipe
- ☐ Ground Water
- ☐ Waste Water

**Test selection for all Samples listed below (Circle desired method)**
- ☐ VOC (8260/624) ☐ SVOC (8270/625)
- ☐ Pesticides (8081/608) ☐ Herbicides (8151)
- ☐ Chlordane (8081/608) ☐ Toxaphene (8081/608)
- ■ PCB (8082) ☐ TPH-DRO (8015) ☐ TPH-GRO (8015)
- ☐ BTEX (8260/8021) ☐ MTBE (8260/8021) ☐ Naphthalene (8260/8270)

**TCLP**
- ☐ Volatiles
- ☐ Semi-Volatiles
- ☐ Herbicides
- ☐ Pesticides
- ☐ Full TCLP (10 Day)

**Miscellaneous**
- ☐ Chlorides (300/9056) ☐ Silica (7602)
- ☐ Sulfates (300/9056) ☐ PAH (8270/625)
- ☐ Oil and Grease (1664) ☐ TPH (EPA 418.1)

| Sample # | Date Sampled | Time Sampled | # of Containers | Sample Identification | Wipe Area | Individual Sample Requests: Create one sample and analyze | Create one sample and analyze | Create one sample and analyze | Create one sample and analyze | |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1A | 5/26/23 | 1115 | 1 | White counter caulk - room 217-3B | | X | | | | |
| PCB-1B | 5/26/23 | 1134 | 1 | White counter caulk - room 208-3B | | X | | | | |
| PCB-1C | 5/26/23 | 1200 | 1 | White counter caulk - room 207-3B | | X | | | | |
| PCB-2A | 5/26/23 | 955 | 1 | White shower caulk - room 217-5A | | | X | | | |
| PCB-2B | 5/26/23 | 900 | 1 | White Shower caulk - room 208-10A | | | X | | | |
| PCB-2C | 5/26/23 | 1035 | 1 | White shower caulk - room 201-10A | | | X | | | |
| PCB-3A | 5/26/23 | 1230 | 1 | White sink caulk - room 201-23 | | | | X | | |
| PCB-3B | 5/26/23 | 1330 | 1 | White sink caulk - room 208-23 | | | | X | | |
| PCB-3C | 5/26/23 | 1400 | 1 | White sink caulk - room 223-23 | | | | X | | |
| PCB-4A | 5/30/23 | 945 | 1 | Grey window glazing compound room 225-7 | | | | | X | |

For Aqueous and Solid samples ensure enough sample is sent for duplicate and spike analyses

Relinquished By: Ted Knapp Signature: _____ Date/Time 5/31/23

! ALL SHADED FIELDS MUST BE FILLED TO AVOID DELAYS !

Chain-of-Custody documentation continued internally

**SCHNEIDER LABORATORIES GLOBAL, INC.**
2512 West Cary Street, Richmond, Virginia 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475
www.slabinc.com • info@slabinc.com

| | | | | | |
|---|---|---|---|---|---|
| Submitting Co. | Watts Architecture & Engineering | State of Collection | | Cert. Required | ☐ YES ☐ NO |
| 510 Clinton Square, Suite 510 | | Acct # | 4637 | Phone | 585-297-0749 |
| Rochester, NY 14604 | | Email | tknapp@watts-ae.com | | |
| Project Name | Fingerlakes DDSO Moon Street Renovation | PO # | | | |
| Project Location | 620 Westfall Rd, Rochester, NY | Special Instructions: Composite and analyze sub-samples as directed in individual sample requests column. This is per a DASNY directive. Please call me at the number above to discuss. | | | |
| Project Number | 20230185 | | | | |
| Collected By | Ted Knapp | | | | |

**Turn Around Time ****
- ☐ Same day *
- ☐ 1 business day
- ☐ 2 business days
- ☐ 3 business days
- ■ 5 business days

* not available for all tests

** A job received past 3 PM will begin its TAT the next business day

Please schedule rush tests in advance

**Matrix**
- ☐ Paint
- ■ Bulk
- ☐ Soil
- ☐ Wipe
- ☐ Ground Water
- ☐ Waste Water

**Test selection for all Samples listed below (Circle desired method)**
- ☐ VOC (8260/624)
- ☐ SVOC (8270/625)
- ☐ Pesticides (8081/608)
- ☐ Herbicides (8151)
- ☐ Chlordane (8081/608)
- ☐ Toxaphene (8081/608)
- ■ PCB (8082)
- ☐ TPH-DRO (8015)
- ☐ TPH-GRO (8015)
- ☐ BTEX (8260/8021)
- ☐ MTBE (8260/8021)
- ☐ Naphthalene (8260/8270)

**TCLP**
- ☐ Volatiles
- ☐ Semi-Volatiles
- ☐ Herbicides
- ☐ Pesticides
- ☐ Full TCLP (10 Day)

**Miscellaneous**
- ☐ Chlorides (300/9056)
- ☐ Silica (7602)
- ☐ Sulfates (300/9056)
- ☐ PAH (8270/625)
- ☐ Oil and Grease (1664)
- ☐ TPH (EPA 418.1)

| Sample # | Date Sampled | Time Sampled | # of Containers | Sample Identification | Wipe Area | Individual Sample Requests: Create one sample and analyze | Create one sample and analyze | Create one sample and analyze | Create one sample and analyze | |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-4B | 5/30/23 | 950 | 1 | Grey window glazing compound room 223-6 | | X | | | | |
| PCB-4C | 5/30/23 | 955 | 1 | White window glazing compound room 223-6 | | X | | | | |
| PCB-5A | 5/31/23 | 900 | 1 | White skylight caulk, 223 wing | | | X | | | |
| PCB-5B | 5/31/23 | 927 | 1 | White skylight caulk, 208 wing | | | X | | | |
| PCB-5C | 5/31/23 | 945 | 1 | White skylight caulk, 208 wing | | | X | | | |
| PCB-6A | 5/26/23 | 1035 | 1 | Exterior, dark brown/grey window caulk, by room 214 | | | | X | | |
| PCB-6B | 5/26/23 | 1230 | 1 | Exterior dark/grey window caulk, 223 wing | | | | X | | |
| PCB-6C | 5/26/23 | 1330 | 1 | Exterior dark/grey window caulk, 208 wing | | | | X | | |
| PCB-7A | 5/30/23 | 1450 | 1 | Red caulk at exhaust vent, 223-7 | | | | | X | |
| PCB-7B | 5/30/23 | 1510 | 1 | Red caulk at exhaust vent, 223-7 | | | | | X | |

For Aqueous and Solid samples ensure enough sample is sent for duplicate and spike analyses

Relinquished By: Ted Knapp Signature: _____ Date/Time 5/31/23

! ALL SHADED FIELDS MUST BE FILLED TO AVOID DELAYS !

Chain-of-Custody documentation continued internally

# SCHNEIDER LABORATORIES GLOBAL, INC.

2512 West Cary Street, Richmond, Virginia 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475
www.slabinc.com • info@slabinc.com

| | | | | | |
|---|---|---|---|---|---|
| Submitting Co. | Watts Architecture & Engineering | State of Collection | | Cert. Required | ☐ YES ☐ NO |
| 510 Clinton Square, Suite 510 | | Acct # | 4637 | Phone | 585-297-0749 |
| Rochester, NY 14604 | | Email | tknapp@watts-ae.com | | |
| Project Name | Fingerlakes DDSO Moon Street Renovation | PO # | | | |
| Project Location | 620 Westfall Rd, Rochester, NY | Special Instructions: Composite and analyze sub-samples as directed in individual sample requests column. This is per a DASNY directive. Please call me at the number above to discuss. | | | |
| Project Number | 20230185 | | | | |
| Collected By | Ted Knapp | | | | |

**Turn Around Time ****

- ☐ Same day *
- ☐ 1 business day
- ☐ 2 business days
- ☐ 3 business days
- ■ 5 business days

* not available for all tests

** A job received past 3 PM will begin its TAT the next business day

Please schedule rush tests in advance

**Matrix**

- ☐ Paint
- ■ Bulk
- ☐ Soil
- ☐ Wipe
- ☐ Ground Water
- ☐ Waste Water

**Test selection for all Samples listed below (Circle desired method)**

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- ☐ Pesticides (8081/608)
- ☐ Herbicides (8151)
- ☐ Chlordane (8081/608)
- ☐ Toxaphene (8081/608)
- ■ PCB (8082)
- ☐ TPH-DRO (8015)
- ☐ TPH-GRO (8015)
- ☐ BTEX (8260/8021)
- ☐ MTBE (8260/8021)
- ☐ Naphthalene (8260/8270)

**TCLP**

- ☐ Volatiles
- ☐ Semi-Volatiles
- ☐ Herbicides
- ☐ Pesticides
- ☐ Full TCLP (10 Day)

**Miscellaneous**

- ☐ Chlorides (300/9056)
- ☐ Silica (7602)
- ☐ Sulfates (300/9056)
- ☐ PAH (8270/625)
- ☐ Oil and Grease (1664)
- ☐ TPH (EPA 418.1)

| Sample # | Date Sampled | Time Sampled | # of Containers | Sample Identification | Wipe Area | Create one sample and analyze | Create one sample and analyze | Create one sample and analyze | Create one sample and analyze | |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-7C | 5/30/23 | 1530 | 1 | Red caulk at exhaust vent, 223-7 | | X | | | | |
| | | | | | | | | | | |
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For Aqueous and Solid samples ensure enough sample is sent for duplicate and spike analyses

Relinquished By: Ted Knapp Signature: _____ Date/Time 5/31/23

! ALL SHADED FIELDS MUST BE FILLED TO AVOID DELAYS !

Chain-of-Custody documentation continued internally

# 5.0 – VISUAL OBSERVATIONS FOR MOLD

## 5.0 VISUAL OBSERVATIONS FOR MOLD

During Watts' May 2023 investigation activities Watts' NYS licensed mold assessors Ted Knapp (MA-02408) and Ted Gorenflo (MA-02268) visually inspected for mold growth within the project limits. During Watts' field investigations, approximately 25 square feet of mold growth was observed along the lower drywall walls in room 223-5A. In room 217-9, the drywall ceiling displayed water staining, totaling approximately 120 square feet. While no mold growth was observed on the frontside of the water stained drywall ceiling, mold growth may exist on the backside.

MOLD ASSESSMENT DEFINITION: As per the February 5, 2015 Chapter Amendment to Article 32 of the NY State Labor Law, *"Mold Assessment" means an inspection or assessment of real property that is designed to discover mold, conditions that facilitate mold, indicia of conditions that are likely to facilitate mold, or any combination thereof*.

For the purpose of describing the size of mold-affected areas, Watts refers to areas as being "Small", Medium", or "Large", as defined in the U.S. EPA document entitled *Mold Remediation in Schools and Commercial Buildings* (September 2008 version).

- A "Small" area is generally considered an area where the total surface area affected is less than ten (10) square feet.
- A "Medium" area is generally considered an area where the total surface area affected is between ten (10) and one hundred (100) square feet.
- A "Large" area is generally considered an area where the total surface area affected is greater than one hundred (100) square feet, or potential for increased occupant or remediator exposure during remediation is estimated to be significant.

REQUIREMENTS OF A MOLD REMEDIATION PLAN: As per the February 5, 2015 Chapter Amendment to Article 32 of the NY State Labor Law, a mold assessment licensee (i.e. a NYS licensed Mold Assessor) must prepare a Mold Remediation Plan as part of a Mold Assessment that is specific to each remediation project and provide the plan to the client before a remediation project begins.

# 6.0 – UNIVERSAL WASTE AND MISCELLANEOUS HAZARDOUS MATERIALS

## 6.0 UNIVERSAL AND MISCELLANEOUS HAZARDOUS WASTE

Potential universal and hazardous waste sources investigated during the survey of the Moon Street Renovation Project Building included items of concern, such as mercury containing light bulbs, PCB/DEHP (Di-2-ethylhexyl phthalate) fluorescent light ballasts, light emitting diode (LED) fixtures.

The field survey was conducted on May 26, May 30, and May 31 2023 and resulted in the following general observations:

- Approximately 590 (4') fluorescent bulbs
- Fluorescent light fixture ballasts were observed to be electronic, non-PCB containing.
- Refrigerants in 4 drinking fountains
- Refrigerants in built-in coolers and HVAC equipment may be present, further investigation is needed.

# 7.0 – INSPECTION PHOTOGRAPHS

Photo 1: View of the asbestos-containing black 12”x12” floor tile. Associated black mastic is also asbestos-containing.

Photo 2: View of the asbestos-containing tan carpet mastic.

Photo 3: View of asbestos-containing drywall ceiling joint compound in room 217-20, where the ceiling has fallen down and created a disturbance.

Photo 4: View of the asbestos-containing brick pattern floor covering.

Photo 5: View of the asbestos-containing brown floor covering.

Photo 6: View of the asbestos-containing blue/tan floor covering.


Photo 7: View of the asbestos-containing cream floor covering.

Photo 8: View of a typical white ceramic sink that has a lead coating.

# 8.0 – LABORATORY ACCREDITATIONS

# National Voluntary Laboratory Accreditation Program

## SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

**AmeriSci Richmond**
dba AmeriSci Richmond
13635 Genito Road
Midlothian, VA 23112
Mr. Thomas B. Keith
Phone: 804-763-1200 Fax: 804-763-1800
Email: bkeith@amerisci.com
http://www.amerisci.com

**ASBESTOS FIBER ANALYSIS** **NVLAP LAB CODE 101904-0**

### 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. |

*For the National Voluntary Laboratory Accreditation Program*

**United States Department of Commerce**
**National Institute of Standards and Technology**

# Certificate of Accreditation to ISO/IEC 17025:2017

**NVLAP LAB CODE: 101904-0**

## AmeriSci Richmond

Midlothian, VA

*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 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2022-07-01 through 2023-06-30

*Effective Dates*

*For the National Voluntary Laboratory Accreditation Program*

**NEW YORK STATE DEPARTMENT OF HEALTH**
**WADSWORTH CENTER**

Expires 12:01 AM April 01, 2024
Issued April 01, 2023

## CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

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

*NY Lab Id No: 10984*

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

**Miscellaneous**

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

Serial No.: 67588

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

**NEW YORK STATE DEPARTMENT OF HEALTH**
**WADSWORTH CENTER**

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

## CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

*MR. FAYEZ ABOUZAKI*
*SCHNEIDER LABORATORIES GLOBAL, INC*
*2512 WEST CARY STREET*
*RICHMOND, VA 23220-5117*

*NY Lab Id No: 11413*

*is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2016) for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE*
*All approved analytes are listed below:*

| | |
|---|---|
| **Metals III** | |
| Cobalt, Total | EPA 6010D |
| Molybdenum, Total | EPA 6010D |
| Thallium, Total | EPA 6010D |
| Tin, Total | EPA 6010D |
| Titanium, Total | EPA 6010D |
| **Miscellaneous** | |
| Boron, Total | EPA 6010D |
| **Polychlorinated Biphenyls** | |
| Aroclor 1016 (PCB-1016) | EPA 8082A |
| Aroclor 1221 (PCB-1221) | EPA 8082A |
| Aroclor 1232 (PCB-1232) | EPA 8082A |
| Aroclor 1242 (PCB-1242) | EPA 8082A |
| Aroclor 1248 (PCB-1248) | EPA 8082A |
| Aroclor 1254 (PCB-1254) | EPA 8082A |
| Aroclor 1260 (PCB-1260) | EPA 8082A |
| Aroclor 1262 (PCB-1262) | EPA 8082A |
| Aroclor 1268 (PCB-1268) | EPA 8082A |
| **Sample Preparation Methods** | |
| | EPA 3010A |
| | EPA 3050B |
| | EPA 3550C |

Serial No.: 66375

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

# 9.0 – CONSULTANT'S COMPANY LICENSES AND PERSONNEL CERTIFICATIONS

Watts
Architects
&Engineers

**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

Watts Architecture & Engineering, D.P.C.
Suite 300
95 Perry Street

Buffalo, NY 14203

FILE NUMBER: 12-68007
LICENSE NUMBER: 68007
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 09/01/2022
EXPIRATION DATE: 09/30/2023

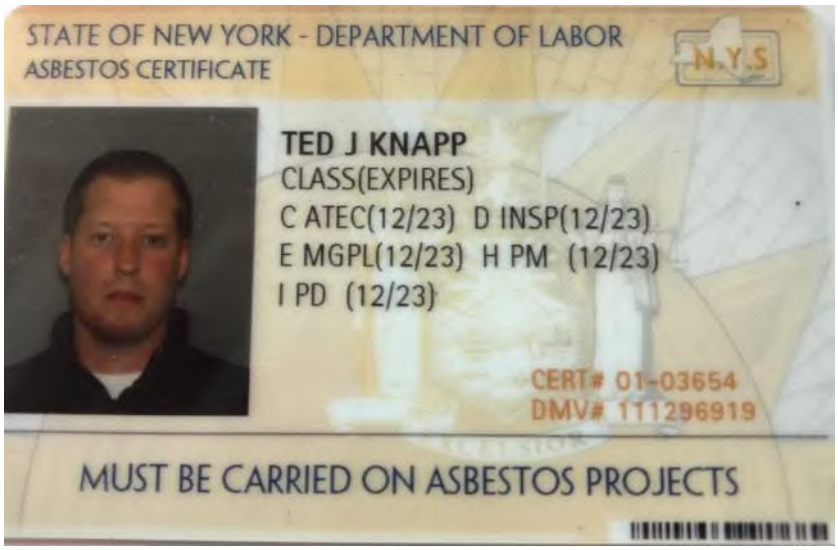
Duly Authorized Representative – Kevin Janik:

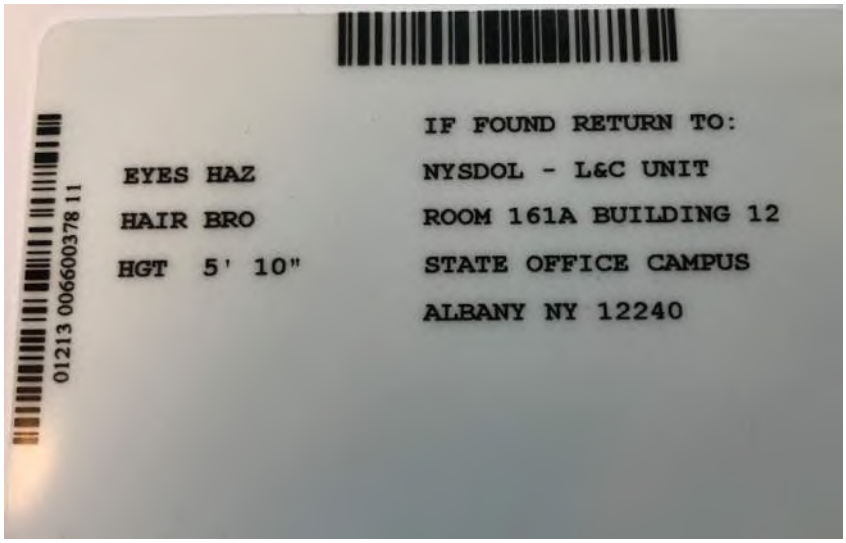
This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with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

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

Amy Phillips, Director
For the Commissioner of Labor

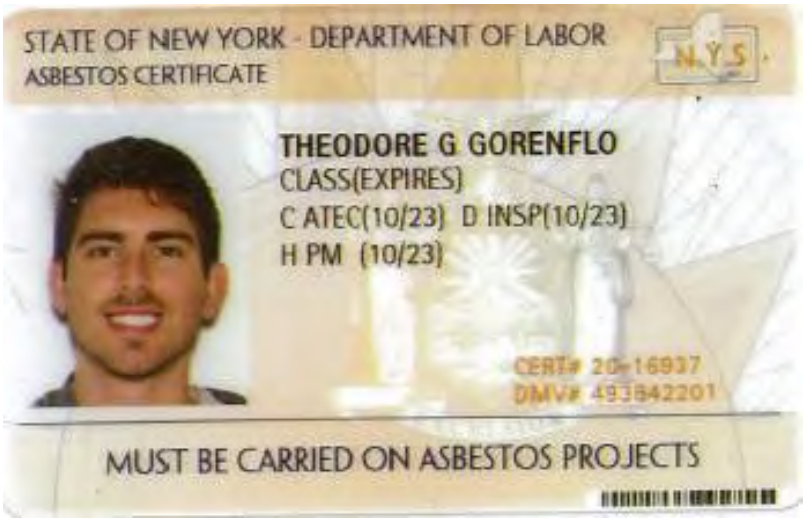
SH 432 (8/12)

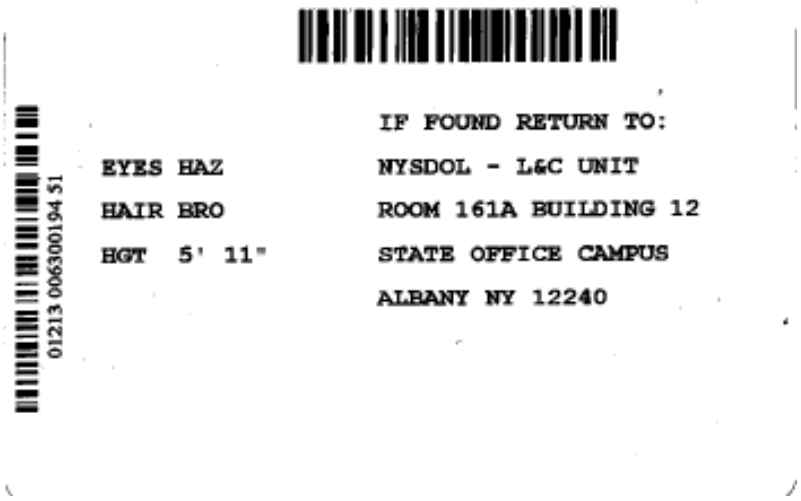



## Theodore Knapp

C - Air Sampling Technician
D – Inspector
E – Management Planner
H – Project Monitor
I – Project Designer




## Theodore Gorenflo

C – Air Sampling Technician
D - Inspector
H – Project Monitor

# United States Environmental Protection Agency

## This is to certify that

Watts Architecture & Engineering

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



## In the Jurisdiction of:

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

This certification is valid from the date of issuance and expires May 21, 2024

LBP-1952-2
Certification #

March 17, 2021
Issued On

Michelle Price, Chief
Lead, Heavy Metals, and Inorganics Branch

watts-ae.com BUFFALO / ROCHESTER / SYRACUSE / NEW YORK Transform by design.

# United States Environmental Protection Agency

## This is to certify that

Theadore J Knapp

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

Inspector

## In the Jurisdiction of:

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

This certification is valid from the date of issuance and expires March 02, 2025

LBP-I-I225640-1
Certification #

February 16, 2022
Issued On

Ben Conetta

Ben Conetta, Chief
Chemicals and Multimedia Programs Branch

Watts
Architects
&Engineers

# United States Environmental Protection Agency

## This is to certify that

Theodore Gorenflo

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

Inspector

## In the Jurisdiction of:

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

This certification is valid from the date of issuance and expires December 16, 2025

LBP-I-I242837-1
Certification #

December 02, 2022
Issued On

Ben Conetta, Chief
Chemicals and Multimedia Programs Branch

WE ARE YOUR DOL

NEW YORK STATE | Department of Labor

**NEW YORK STATE - DEPARTMENT OF LABOR**
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12

## Mold Assessor Company License

Watts Architecture + Engineering, D.P.C.
d\b\a\: Edward O. Watts
95 Perry St, Suite 300
BUFFALO, NY 14203

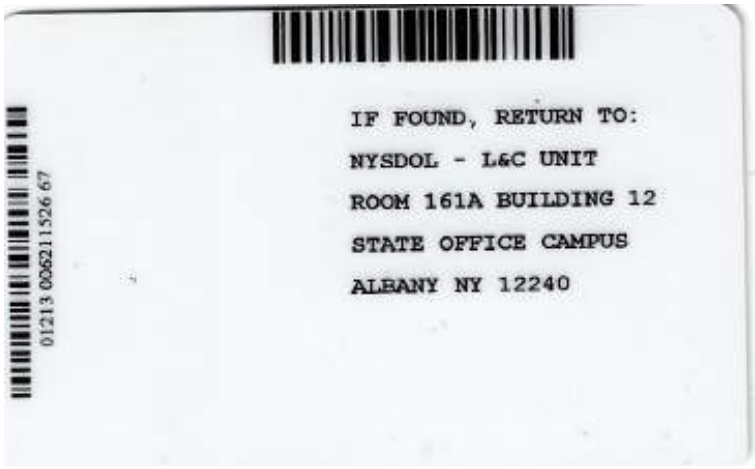
LICENSE NUMBER: 00127
DATE OF ISSUE: 1/13/2022
EXPIRATION DATE 12/31/2023

This license is valid only for the contractor named above.

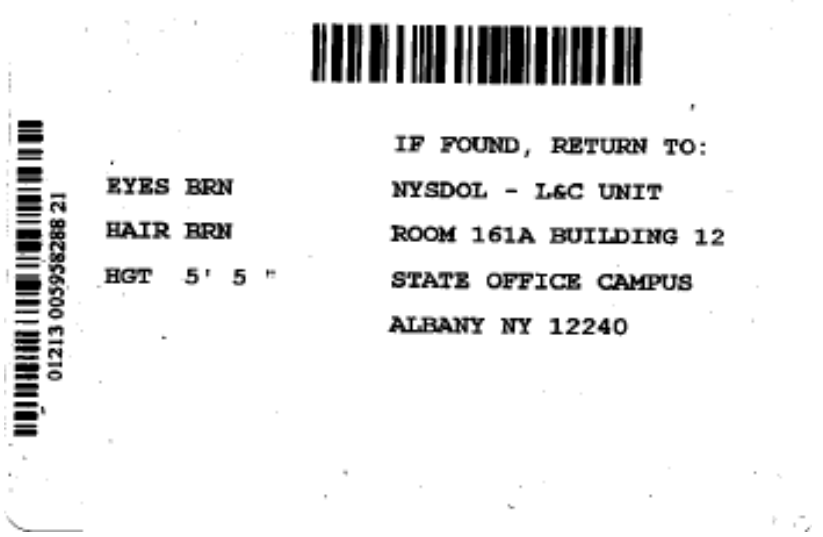
Amy Phillips, Director
FOR THE COMMISSIONER OF LABOR

EXCELSIOR


STATE OF NEW YORK - DEPARTMENT OF LABOR
MOLD ASSESSOR
N.Y.S
THEADORE KNAPP
EXPIRES: 02-24
CERT# MA02408


IF FOUND, RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240
01213 0062115267


STATE OF NEW YORK - DEPARTMENT OF LABOR
MOLD ASSESSOR
N.Y.S
THEODORE GORENFLO
EXPIRES: 07-23
CERT# MA02268


01213 005958288 21
EYES BRN
HAIR BRN
HGT 5' 5 "
IF FOUND, RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

# 10.0 – PREVIOUS SAMPLING DATA

WATTS ENGINEERS

3826 MAIN STREET • BUFFALO, NEW YORK 14226
(716) 836-1540 FAX: (716) 836-2402
www.wattsengineers.com

July 27, 2005

Mr. Fred Harrington
Dormitory Authority of the State of New York
Finger Lakes DDSO
620 West Fall Road
Rochester, New York 14620

RE: Finger Lakes DDSO
DASNY Project # 14978029999
Asbestos Bulk Sampling

Dear Mr. Harrington:

Watts Engineers was requested to conduct limited asbestos bulk sampling at the Finger Lakes DDSO. Several areas of the building (717, 723 and 738 Flower Street) are currently undergoing renovations and several suspect materials were disturbed that have not been previously sampled and analyzed for asbestos content.

Watts Engineers made two visits to the site and collected twenty-two (22) samples accounting for seven (7) homogeneous groups of suspect material. All samples were initially analyzed by Polarized Light Microscopy (PLM). When one sample was found to be found positive, the remaining samples in that group were not analyzed. If all samples in a homogeneous group were found to be <1% by PLM, then one sample from each homogeneous group was further analyzed by Transmission Electron Microscopy (TEM). The sample results are as follows:

| Material Description | Sample Location | Sample Number | Results (% Asbestos) | | ACM |
|---|---|---|---|---|---|
| | | | PLM | TEM | Y/N |
| Black 12"x12" Floor Tile | Room 717-26 | Y2103.17-01 | 5.8% Chrysotile | NA | Y |
| | Room 717-29 | Y2103.17-02 | NA | NA | |
| | Room 723-26 | Y2103.17-03 | NA | NA | |
| Black Mastic on Black Floor Tile | Room 717-26 | Y2103.17-04 | 6.7% Chrysotile | NA | Y |
| | Room 717-29 | Y2103.17-05 | NA | NA | |
| | Room 723-26 | Y2103.17-06 | NA | NA | |
| Brown Covebase Mastic | Room 717-26 | Y2103.17-07 | NAD | NAD | N |
| | Room 717-29 | Y2103.17-08 | NAD | NA | |
| | Room 723-26 | Y2103.17-09 | NAD | NA | |



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• Civil Engineering • Transportation Engineering • Structural Engineering
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• Indoor Air Quality • HVAC Engineering • Plumbing & Fire Protection Engineering
• Electrical Engineering • Architecture

Finger Lakes DDSO
DASNY Project # 14978029999
Asbestos Bulk Sampling

| Material Description | Sample Location | Sample Number | Results (% Asbestos) | | ACM |
|---|---|---|---|---|---|
| | | | PLM | TEM | Y/N |
| Residual Sheet Flooring | Room 717-1 | Y2103.17-10 | NAD | NA | Y |
| | Room 723-1 | Y2103.17-11 | 6.7% Chrysotile | NA | |
| | Room 723-1 | Y2103.17-12 | NA | NA | |
| | Room 717-16 | Y2103.17-16 | 56.1% Chrysotile | NA | |
| | Room 717-9 | Y2103.17-17 | 55.8% Chrysotile | NA | |
| | Room 723-12 | Y2103.17-18 | NAD | NAD | |
| Yellow Mastic on Sheet Flooring | Room 717-1 | Y2103.17-13 | <1% Chrysotile | 1.8% Chrysotile | Y |
| | Room 723-1 | Y2103.17-14 | <1% Chrysotile | NA | |
| | Room 723-1 | Y2103.17-15 | <1% Chrysotile | NA | |
| Pipe Fitting Insulation | Room 537 | Y2103.17-19 | ND | NA | N |
| | Room 723-15 | Y2103.17-20 | ND | NA | |
| | Room 723-15 | Y2103.17-21 | ND | NA | |
| Ceramic Tile Mastic | Room 738-24 | Y2103.17-22 | NAD | NAD | N |

NA – Not Analyzed ND – None Detected NAD – No Asbestos Detected

An asbestos-containing material (ACM) is any material containing greater than 1% asbestos. Based on the testing, the following asbestos-containing materials were identified:

- 12"x12" black floor tile
- Black mastic on 12"x12" black floor tile
- Residual paper backing from sheet flooring
- Mastic on residual paper backing

The brown covebase mastic, pipe fitting insulation and ceramic tile mastic were found **not** to be asbestos-containing.

It is our understanding that some limited areas of the 12"x12" floor tile and significant quantities of the sheeting flooring have been removed from the construction areas in 717, 723 and 738 Flower Street. The attached sample location drawing indicates the work area limits of the current construction areas. These limits indicate the areas occupied by the contractor during the disturbance of the ACM flooring materials. This area is currently restricted, and should remain restricted, except to asbestos certified personnel until the areas have been cleaned. The HVAC system is shut down within the construction area. In addition to these precautions, all entrances to the construction area should be sealed with 6-mil polyethylene sheeting and/or duct tape. The entrances should also be

demarcated with asbestos warning signs and tape to prevent accidental entry into the contaminated areas. The extent of the area was based on conversations with DASNY. However, further investigation will need to be performed to fully demarcate the contaminated areas.

As part of the construction work, the remaining backing and mastic from the sheet flooring needs to be removed. Therefore, the asbestos abatement work will require the complete isolation of these areas from the rest of the building. A site-specific variance may be required from the New York State Department of Labor to perform the cleanup work. The abatement contractor will need to clean areas around windows, doors etc., to install critical barriers. After the work area(s) have been established the abatement contractor can remove the remaining materials scheduled for removal. Following removal, the abatement contractor will need to clean all surfaces within the contaminated areas. This would include all floors, walls, ceilings, and miscellaneous equipment currently inside the areas. All boxes, wiring, drawings, tools etc., within the areas must be cleaned or disposed of as ACM.

In the contaminated areas, some of the ceiling tiles are open. Further investigation needs to be performed to determine if spaces above suspended ceiling will need to be cleaned, including ductwork.

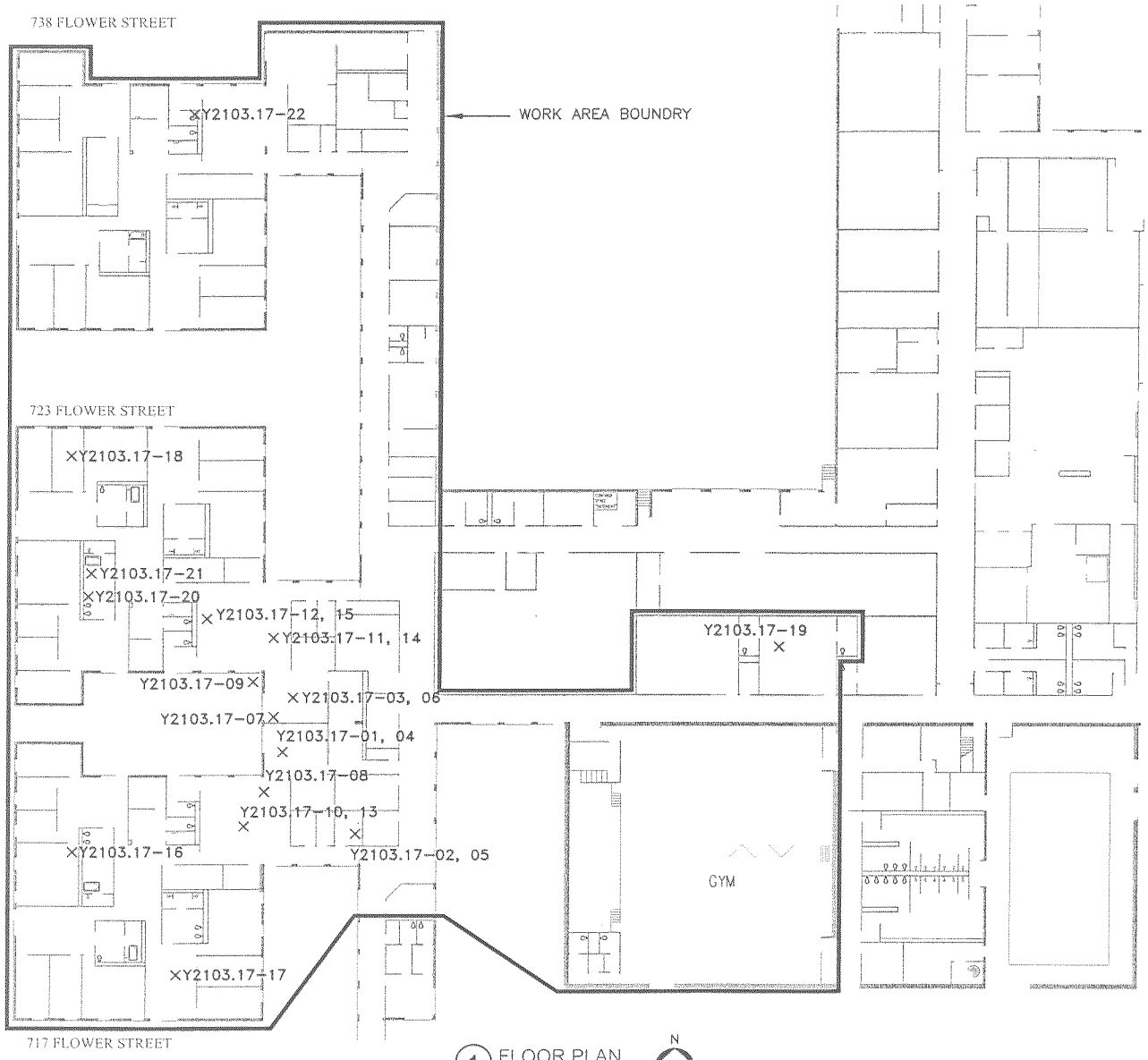
The residual paper backing from the sheet flooring could become friable if abraded by foot traffic. These areas should remain restricted until proper cleanup and/or abatement can occur. All cleaning/abatement must be performed in accordance with New York State Industrial Code Rule 56. In addition, it is our understanding that similar work will be performed in other areas of the building. These areas should be fully investigated prior to demolition to determine if asbestos-containing materials will be disturbed by the work.

Attached are the laboratory reports, chain-of-custody forms, a sample location drawing and Watts Engineers' license and certifications. Should you have any questions or need additional information, please do not hesitate to contact me at (716) 836-2320, ext. 126.

Sincerely,

**WATTS ENGINEERING & ARCHITECTURE, P. C.**

Kevin P. Janik, P.E.
Environmental Engineer




1 FLOOR PLAN
NTS

X INDICATES APPROXIMATE BULK SAMPLE LOCATIONS

SAMPLES WERE COLLECTED ON JULY 5 AND 18, 2005.

H:\Y200\Y2103ASM~1A\Y2103.17 Roch DDSO\SL-1.dwg Jul 27, 2005, 2:01pm

WATTS ENGINEERS
1826 Main Street | Amherst, New York 14228
(716) 836-1540 | (716) 836-2402 FAX

ASBESTOS BULK SAMPLE LOCATIONS

FINGER LAKES DDSO
620 WESTFALL ROAD
ROCHESTER, NEW YORK

NOT TO SCALE | JULY 2005

EMSL Analytical, Inc.
490 Rowley Road, Depew, NY 14043
Phone: (716) 651-0030 Fax: (716) 651-0394 Email: buffalolab@emsl.com

Attn: **Eric McNabb**
**Watts Engineering & Architecture, P.C.**
**3826 Main Street**
**Buffalo, NY 14226**

Fax: (716) 836-2402 Phone: (716) 836-1540
Project: **Y2103.17 / Finger Lakes DDSO, 620 Westfall Road, Rochester**

Customer ID: WATT50
Customer PO:
Received: 07/05/05 11:45 AM
EMSL Order: 140502411

EMSL Proj:
Analysis Date: 7/6/2005
Report Date: 7/7/2005

## Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

| SAMPLE ID | DESCRIPTION | APPEARANCE | % MATRIX MATERIAL | % NON-ASBESTOS FIBERS | ASBESTOS TYPES | | % TOTAL ASBESTOS |
|---|---|---|---|---|---|---|---|
| Y2103.17-01<br>*140502411-0001* | 12"x12" black streaked FT | Black | 94.2 | None | 5.8 | Chrysotile | 5.8 |
| Y2103.17-02<br>*140502411-0002* | 12"x12" black streaked FT | Brown | | | | | |
| Not Analyzed | | | | | | | |
| Y2103.17-03<br>*140502411-0003* | 12"x12" black streaked FT | Black | | | | | |
| Not Analyzed | | | | | | | |
| Y2103.17-04<br>*140502411-0004* | blank mastic on black FT | Black | 93.3 | None | 6.7 | Chrysotile | 6.7 |
| Y2103.17-05<br>*140502411-0005* | blank mastic on black FT | Black | | | | | |
| Not Analyzed | | | | | | | |
| Y2103.17-06<br>*140502411-0006* | blank mastic on black FT | Black | | | | | |
| Not Analyzed | | | | | | | |
| Y2103.17-07<br>*140502411-0007* | brown covebase mastic residue | Brown | 100.0 | None | Inconclusive: No Asbestos Detected | | |
| Y2103.17-08<br>*140502411-0008* | brown covebase mastic residue | Brown | 100.0 | None | Inconclusive: No Asbestos Detected | | |

Analyst(s)
*Tom Hanes (15)*

Kenneth Najuch
or other approved signatory

*Polarized Light Microscopy (PLM) 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. The test results contained within this report meet the requirements of NELAC unless otherwise noted.EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except infull, without written approval by EMSL. The above test report relates onlyto the items tested. EMSL bears no responsibility for sample collectionactivities or analytical method imitations.
ACCREDITATIONS: NVLAP #200056-0 and NY STATE ELAP #11606

EMSL Analytical, Inc.
490 Rowley Road, Depew, NY 14043
Phone: (716) 651-0030 Fax: (716) 651-0394 Email: buffalolab@emsl.com

Attn: **Eric McNabb**
**Watts Engineering & Architecture, P.C.**
**3826 Main Street**
**Buffalo, NY 14226**

Fax: (716) 836-2402 Phone: (716) 836-1540
Project: **Y2103.17 / Finger Lakes DDSO, 620 Westfall Road, Rochester**

Customer ID: WATT50
Customer PO:
Received: 07/05/05 11:45 AM
EMSL Order: 140502411

EMSL Proj:
Analysis Date: 7/6/2005
Report Date: 7/7/2005

## Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

| SAMPLE ID | DESCRIPTION | APPEARANCE | % MATRIX MATERIAL | % NON-ASBESTOS FIBERS | ASBESTOS TYPES | | % TOTAL ASBESTOS |
|---|---|---|---|---|---|---|---|
| Y2103.17-09<br>*140502411-0009* | brown covebase mastic residue | Brown | 100.0 | None | Inconclusive: No Asbestos Detected | | |
| Y2103.17-10<br>*140502411-0010* | brown sheet flooring residue/paper back | Brown | 100.0 | None | Inconclusive: No Asbestos Detected | | |
| Y2103.17-11<br>*140502411-0011* | brown sheet flooring residue/paper back | Brown | 93.3 | None | 6.7 | Chrysotile | 6.7 |
| Y2103.17-12<br>*140502411-0012*<br>Not Analyzed | brown sheet flooring residue/paper back | Brown | | | | | |
| Y2103.17-13<br>*140502411-0013* | yellow mastic on tan sheet flooring | Yellow | 99.8 | None | <1 | Chrysotile | <1 |
| Y2103.17-14<br>*140502411-0014* | yellow mastic on tan sheet flooring | Yellow | 99.7 | None | <1 | Chrysotile | <1 |
| Y2103.17-15<br>*140502411-0015* | yellow mastic on tan sheet flooring | Yellow | 100.0 | None | <1 | Chrysotile | <1 |

Analyst(s)
*Tom Hanes (15)*

Kenneth Najuch
or other approved signatory

*Polarized Light Microscopy (PLM) 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. The test results contained within this report meet the requirements of NELAC unless otherwise noted.EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except infull, without written approval by EMSL. The above test report relates onlyto the items tested. EMSL bears no responsibility for sample collectionactivities or analytical method imitations.
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EMSL Analytical, Inc.
490 Rowley Road, Depew, NY 14043
Phone: (716) 651-0030 Fax: (716) 651-0394 Email: buffalolab@emsl.com

Attn: **Eric McNabb**
**Watts Engineering & Architecture, P.C.**
**3826 Main Street**
**Buffalo, NY 14226**

Fax: (716) 836-2402 Phone: (716) 836-1540
Project: **Y2103.17 / Finger Lakes DDSO, 620 Westfall Road, Rochester**

Customer ID: WATT50
Customer PO:
Received: 07/05/05 11:45 AM
EMSL Order: 140502411

EMSL Proj:
Analysis Date: 7/8/2005
Report Date: 7/11/2005

## Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

| SAMPLE ID | DESCRIPTION | APPEARANCE | % MATRIX MATERIAL | % NON-ASBESTOS FIBERS | ASBESTOS TYPES | | % TOTAL ASBESTOS |
|---|---|---|---|---|---|---|---|
| Y2103.17-07<br>*140502411-0007* | brown covebase mastic residue | Brown | 100.0 | None | No Asbestos Detected | | |
| Y2103.17-13<br>*140502411-0013* | yellow mastic on tan sheet flooring | Yellow | 98.2 | None | 1.8 | Chrysotile | 1.8 |

Analyst(s)
*Rhonda McGee (2)*

Kenneth Najuch
or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc.
ACCREDITATIONS: NVLAP #200056-0 and NY STATE ELAP #11606

EMSL Analytical, Inc.
490 Rowley Road, Depew, NY 14043
Phone: (716) 651-0030 Fax: (716) 651-0394 Email: buffalolab@emsl.com

Attn: **Kevin Janik**
**Watts Engineering & Architecture, P.C.**
**3826 Main Street**
**Buffalo, NY 14226**

Fax: (716) 836-2402 Phone: (716) 836-1540
Project: **Y2103.17 / Flower Street Renovations**

Customer ID: WATT50
Customer PO:
Received: 07/18/05 1:35 PM
EMSL Order: 140502785

EMSL Proj:
Analysis Date: 7/19/2005
Report Date: 7/20/2005

## Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

| SAMPLE ID | DESCRIPTION | APPEARANCE | % MATRIX MATERIAL | % NON-ASBESTOS FIBERS | ASBESTOS TYPES | | % TOTAL ASBESTOS |
|---|---|---|---|---|---|---|---|
| Y2103.17-16<br>*140502785-0004* | residue sheet flooring & mastic | Gray | 43.9 | None | 56.1 | Chrysotile | 56.1 |
| Y2103.17-17<br>*140502785-0005* | residue sheet flooring & mastic | Gray | 44.2 | None | 55.8 | Chrysotile | 55.8 |
| Y2103.17-18<br>*140502785-0006* | residue sheet flooring & mastic | Gray | 100.0 | None | Inconclusive: No Asbestos Detected | | |
| Y2103.17-22<br>*140502785-0007* | ceramic tile mastic | Brown | 100.0 | None | Inconclusive: No Asbestos Detected | | |

Analyst(s)

*Tom Hanes (4)*

Kenneth Najuch
or other approved signatory

*Polarized Light Microscopy (PLM) 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. The test results contained within this report meet the requirements of NELAC unless otherwise noted.EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except infull, without written approval by EMSL. The above test report relates onlyto the items tested. EMSL bears no responsibility for sample collectionactivities or analytical method imitations.

ACCREDITATIONS: NVLAP #200056-0 and NY STATE ELAP #11606

NY\PNOB-2

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490 Rowley Road, Depew, NY 14043
Phone: (716) 651-0030 Fax: (716) 651-0394 Email: buffalolab@emsl.com

Attn: **Kevin Janik**
**Watts Engineering & Architecture, P.C.**
**3826 Main Street**
**Buffalo, NY 14226**

Fax: (716) 836-2402 Phone: (716) 836-1540
Project: **Y2103.17 / Flower Street Renovations**

Customer ID: WATT50
Customer PO:
Received: 07/18/05 1:35 PM
EMSL Order: 140502785

EMSL Proj:
Analysis Date: 7/19/2005
Report Date: 7/19/2005

## Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

| | | | Non-Asbestos | | Asbestos |
|---|---|---|---|---|---|
| Sample | Location | Appearance | % Fibrous | % Non-Fibrous | % Type |
| Y2103.17-19<br>*140502785-0001* | room 537 | Gray<br>Fibrous<br>Homogeneous | 5.00% Min. Wool | 95.00% Matrix | None Detected |
| Y2103.17-20<br>*140502785-0002* | room 723-15 | Gray<br>Fibrous<br>Homogeneous | 5.00% Min. Wool | 95.00% Matrix | None Detected |
| Y2103.17-21<br>*140502785-0003* | room 723-15 | Gray<br>Fibrous<br>Homogeneous | 5.00% Min. Wool | 95.00% Matrix | None Detected |

Analyst(s)
*Tom Hanes (3)*

Kenneth Najuch
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with 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. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.
Analysis performed by EMSL Buffalo (NVLAP #200056-0), NY ELAP #11606



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EMSL Analytical, Inc.
490 Rowley Road, Depew, NY 14043
Phone: (716) 651-0030 Fax: (716) 651-0394 Email: buffalolab@emsl.com

Attn: **Kevin Janik**
**Watts Engineering & Architecture, P.C.**
**3826 Main Street**
**Buffalo, NY 14226**

Fax: (716) 836-2402 Phone: (716) 836-1540
Project: **Y2103.17 / Flower Street Renovations**

Customer ID: WATT50
Customer PO:
Received: 07/18/05 1:35 PM
EMSL Order: 140502785

EMSL Proj:
Analysis Date: 7/21/2005
Report Date: 7/22/2005

## Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

| SAMPLE ID | DESCRIPTION | APPEARANCE | % MATRIX MATERIAL | % NON-ASBESTOS FIBERS | ASBESTOS TYPES | % TOTAL ASBESTOS |
|---|---|---|---|---|---|---|
| Y2103.17-18<br>*140502785-0006* | residue sheet flooring & mastic | Gray | 100.0 | None | No Asbestos Detected | |
| Y2103.17-22<br>*140502785-0007* | ceramic tile mastic | Brown | 100.0 | None | No Asbestos Detected | |

Analyst(s)
*Ken Najuch (2)*

Kenneth Najuch
or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc.
ACCREDITATIONS: NVLAP #200056-0 and NY STATE ELAP #11606

NY\TNOB-2

THIS IS THE LAST PAGE OF THE REPORT.

# WATTS ENGINEERS
# ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

14050 2411



Date: 7/5/05

Client: DASNY
Project: Finger Lakes DDSO
Building / Location: 620 Westfall Rd, Rochester
Contact: Kevin Janik at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Watts Engineering & Architecture, P.C.
3826 Main Street, Buffalo, NY 14226

Watts Project No.: 42103.17

Turnaround Requested:
Analysis Requested:
PLM 1 TEM † (see note)

| | |
|---|---|
| 3 Hr. | 48 Hr. |
| 6 Hr. | X 72 Hr. |
| 12 Hr. | 5 Day |
| 24 Hr. | 6-10 Day |

| Sample Number | Material Description | Sample Location | Laboratory Results PLM | Laboratory Results TEM |
|---|---|---|---|---|
| 42103.17-01 | 12"x12" Black streaked floortile | 717-26 | | |
| " 02 | " | 717-29 | | |
| " 03 | " | 723-26 | | |
| " 04 | Black mastic on Black floortile | 717-26 | | |
| " 05 | " | 717-29 | | |
| " 06 | " | 723-26 | | |
| " 07 | Brown Carpet mastic Residue | 717-26 | | |
| " 08 | " | 717-29 | | |
| " 09 | " | 723-26 | | |
| " 10 | Brown Sheet Flooring, residue/paper back | 717-1 | | |
| " 11 | " | 723-1 East | | |
| " 12 | " | 723-1 West | | |

Sampled By: [signature] Date: 7/5/05 Received By: _____ Date: __/__/__

Relinquished By: [signature] Date: 7/5/05 Received By: [signature] Date: 7/5/05 Dropoff 11:45am

Comments: Analyze all by PLM-Stop on first Positive. If all Negative in a group, analyze one by TEM

# WATTS ENGINEERS
# ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

1405202411

Page: 2 of 2

Client: DASNY
Project: Finger Lakes ODSO
Building / Location: 620 west fall Road, Rochester, NY
Contact: Kevin Janik at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Watts Engineering & Architecture, P.C.
3826 Main Street, Buffalo, NY 14226

Date: 7 / 5 / 05
Watts Project No.: 42103.17

Turnaround Requested: ___ 3 Hr. ___ 48 Hr.
Analysis Requested: ___ 6 Hr. X 72 Hr.
PLM X TEM X ___ 12 Hr. ___ 5 Day
See Pg 1 ___ 24 Hr. ___ 6-10 Day

| Sample Number | Material Description | Sample Location | Laboratory Results PLM | Laboratory Results TEM |
|---|---|---|---|---|
| 42103.17-13 | Yellow Mastic on Tan Sheet Flooring Resilient | 717-1 | | |
| " 14 | " | 723-1 East | | |
| " 15 | " | 723-1 west | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Sampled By: [signature] Date: 7/5/05 Received By: ___ Date: / /
Relinquished By: [signature] Date: 7/5/05 Received By: [signature] Date: 7/5/05 11:45a
Drop Off

Comments:

# WATTS ENGINEERS
# ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

1405027 85

Page: 1 of 1

Client: DASNY

Date: 7/18/05

Project: Finger Lakes DDSO

Watts Project No.: 42103.17

Building / Location: Flower Street Renovations

Contact: Kevin Janik at (716) 836-1540

Fax Preliminary Results to: (716) 836-2402

Mail Report & Invoice to: Watts Engineering & Architecture, P.C.
3826 Main Street, Buffalo, NY 14226

Turnaround Requested: ___ 3 Hr. X 48 Hr.

Analysis Requested: ___ 6 Hr. ___ 72 Hr.

PLM X TEM ___ ___ 12 Hr. ___ 5 Day

___ 24 Hr. ___ 6-10 Day

| Sample Number | Material Description | Sample Location | Laboratory Results | |
|---|---|---|---|---|
| | | | PLM | TEM |
| 42103.17-16 | Residual Sheet Flooring + Mastic | Room 717-16 | | |
| 42103.17-17 | Residual Sheet Flooring + Mastic | Room 717-9 | | |
| 42103.17-18 | Residual Sheet Flooring + Mastic | Room 723-12 | | |
| 42103.17-19 | Mud Filling Insulation | Room 537 | | |
| 42103.17-20 | Mud Filling Insulation | Room 723-15 | | |
| 42103.17-21 | Mud Filling Insulation | Room 723-15 | | |
| 42103.17-22 | Ceramic Tile Mastic | Room 738-24 | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Sampled By: Kevin P. Janik Date: 7/18/05 Received By: ___ Date: ___/___/___

Relinquished By: Kevin P. Janik Date: 7/18/05 Received By: Rhl A Ster Date: 7/18/05 Drop off 1:35 pm

Comments: Do Not ANALYZE MASTIC

K:\ASBESTOS\Forms\BulkForm.xls
6/27/2005

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
*Antonia C. Novello, M.D., M.P.H., Dr.P.H.*

Expires 12:01 AM April 01, 2006
Issued April 01, 2005

## CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

*MR. KENNETH NAJUCH*
*EMSL ANALYTICAL INC - BUFFALO*
*490 ROWLEY ROAD*
*DEPEW NY 14043 UNITED STATES*

*NY Lab Id No: 11606*
*EPA Lab Code: NY01278*

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

**Miscellaneous**

| | |
|---|---|
| Asbestos in Friable Material | EPA 600/M4/82/020 |
| Asbestos in Non-Friable Material | ITEM 198.4 OF MANUAL |

Serial No.: 26201

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National Institute of Standards and Technology

NVLAP®

National Voluntary Laboratory Accreditation Program

ISO/IEC 17025:1999
ISO 9002:1994

# Scope of Accreditation



**BULK ASBESTOS FIBER ANALYSIS** **NVLAP LAB CODE 200056-0**

**EMSL ANALYTICAL, INC.**
490 Rowley Road
Depew, NY 14043
Mr. Kenneth J. Najuch
Phone: 716-651-0030 Fax: 716-651-0394
E-Mail: knajuch@emsl.com
URL: http://www.emsl.com/

| *NVLAP Code* | *Designation* |
|---|---|
| 18/A01 | EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples |

June 30, 2006
*Effective through*

*For the National Institute of Standards and Technology*

07/27/2005 15:53 7166510394 EMSL BUFFALO PAGE 06/07

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

ISO/IEC 17025:1999
ISO 9002:1994

# Certificate of Accreditation

DEPARTMENT OF COMMERCE ★ UNITED STATES OF AMERICA ★

## EMSL ANALYTICAL, INC.

DEPEW, NY

*is recognized by the National Voluntary Laboratory Accreditation Program for satisfactory compliance with criteria set forth in NIST Handbook 150:2001, all requirements of ISO/IEC 17025:1999, and relevant requirements of ISO 9002:1994. Accreditation is awarded for specific services, listed on the Scope of Accreditation, for:*

## BULK ASBESTOS FIBER ANALYSIS

June 30, 2006

*Effective through*

*For the National Institute of Standards and Technology*

NVLAP Lab Code: 200056-0

WATTS ENGINEERS
3826 Main Street
Buffalo, New York 14226

STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
License and Certificate Unit
BUILDING 12, STATE CAMPUS
ALBANY, NY 12240

## ASBESTOS HANDLING LICENSE

RESTRICTED LICENSE-ASBESTOS REMOVAL NOT PERMITTED

LICENSE NUMBER: 99-0394
DATE OF ISSUE: March 07, 2005
EXPIRATION DATE: April 30, 2006

Contractor: WATTS ENGINEERING & ARCHITECTURE, P.C.
dba WATTS ENGINEERS
Address: 3826 Main Street
Buffalo NY 14226

Duly Authorized Representative: EDWARD O. WATTS

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 (12NYCRR 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 certifies 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.

Anthony Germano, Acting Director
FOR THE COMMISSIONER OF LABOR

SH 432 (6-03)

WATTS ENGINEERS
3826 Main Street
Buffalo, New York 14226

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

KEVIN P JANIK
CLASS(EXPIRES)
C ATEC(12/05) D INSP(12/05)
H PM (12/05) I PD (12/05)

CERT# 96-05138

MUST BE CARRIED ON ASBESTOS PROJECTS

DMV# 288044640
EYES BLU
HAIR BRO
HGT 5' 10"

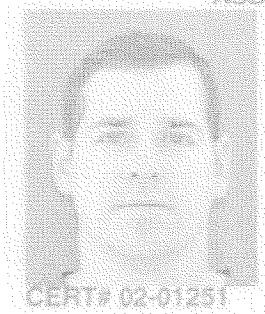
IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161 BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

**KEVIN P. JANIK, EIT**

C- Air Sampling Technician
D – Inspector
H – Project Monitor
I – Project Designer

WATTS ENGINEERS
3826 Main Street
Buffalo, New York 14226

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



MARK E MCNABB
CLASS(EXPIRES)
C ATEC(05/06) D INSP(05/06)
H PM (05/06) I PD (05/06)

CERT# 02-01251

MUST BE CARRIED ON ASBESTOS PROJECTS

DMV# 798994719
EYES BLU
HAIR BRO
HGT 5' 10"

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

**M. ERIC McNABB**

C- Air Sampling Technician
D – Inspector
H – Project Monitor
I – Project Designer

Lozier
Environmental Consulting, Inc.

2011 East Main Street • Rochester, New York 14609
Phone: 585.654.9080 • Fax: 585.654.9662
www.LozierEnv.com

February 3, 2020

Mr. Mark Ferrante
Finger Lakes DDSO
620 Westfall Road
Rochester, New York 14620

Re: Pre-Renovation Asbestos Survey: 620 Westfall Road, Rochester, New York 14620

Dear Mr. Ferrante:

Enclosed are the sample location drawing, analytical results, and chains of custody for sampling and analysis of suspect building materials in the above referenced location.

***Scope***

On January 30, 2020, New York State Department of Labor certified inspector K. Updyke (DOL Cert. #11-13464) conducted the asbestos inspection and survey with procedures and guidelines in accordance to New York State and EPA protocol.

Samples were collected from various locations throughout the aforementioned area, as requested by the client, recorded on a chain of custody document, individually retained within a container, and transported to the Lozier analytical laboratory for analysis. Each sample was evaluated and individual layers were separated by homogenous components.

***Summary of Asbestos Containing Materials***

| LOCATION | MATERIAL | COND. | CLASS | QUANTITY |
|---|---|---|---|---|
| 701 Flower | White Ceiling Joint Compound on Drywall | Good | Friable | 4 Square Feet |

**Notes:**

- Condition: ***Good*** = No visible damage and/or very limited deterioration.
  ***Fair*** = visible damage or deterioration on less than 25% of the material.
  ***Poor*** = visible damage or deterioration greater than 25%.
- All quantities are approximations and should be verified by contractor prior to removal.

Lozier Environmental Consulting, Inc. appreciates this opportunity to provide you with our professional services. If you have any questions please contact me at 585-654-9080.

Sincerely,

Niketa Johnson
*Asbestos Services*

Lozier
Environmental Consulting, Inc.

2011 East Main Street, Rochester, New York 14609
Phone: (585) 654-9080 Fax: (585) 654-9662
www.LozierEnv.com
ELAP #11770

**Client:** Finger Lakes DDSO
620 Westfall
Rochester, New York 14620

**Attn:** Mark Ferrante

**Project Site:** 620 Westfall Road, Rochester, New York 114620

**Laboratory No.:** 61696
**Date Received:** 1/30/20
**Report Date:** 2/3/20
**Analysis Date:** 1/31/20
**Page:** 1 of 3
Chain of Custody In Following Pages
TEM results in Following Pages

**SAMPLE INFORMATION**

| | | | | | |
|---|---|---|---|---|---|
| **Sample Date:** | 1/30/20 | **Location:** Interior | **Analyst:** J. Cravotta | | |
| **Sampler:** | K. Updyke | **Type of Sample:** Bulk Asbestos | **Number of Samples:** | 21 | |

**ASBESTOS BULK LABORATORY REPORT**

| Client ID | Lab ID | Sampling Location | Description | PLM Asbestos Fibers (%) | PLM Total Asbestos (%) | NOTE | CLASS | PLM Non-Asbestos Fibers (%) | Matrix Material (%) | TEM Results Asbestos (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 61696-1 | Leaf Street Csea Office | White Ceiling Joint Compound on Drywall | None Detected 0% | 0% | | F | None Detected 0% | 100% | N/A |
| 2 | 61696-2 | Leaf Street Csea Office | White Ceiling Joint Compound on Drywall | None Detected 0% | 0% | | F | None Detected 0% | 100% | N/A |
| 3 | 61696-3 | Leaf Street Csea Office Top of Stairs | White Ceiling Texture | None Detected 0% | 0% | | F | None Detected 0% | 100% | N/A |
| 4 | 61696-4 | Leaf Street Csea Office Top of Stairs | White Ceiling Texture | None Detected 0% | 0% | | F | None Detected 0% | 100% | N/A |
| 5 | 61696-5 | 17 Moon | White Ceiling Joint Compound on Drywall | None Detected 0% | 0% | | F | None Detected 0% | 100% | N/A |
| 6 | 61696-6 | 17 Moon | White Ceiling Joint Compound on Drywall | None Detected 0% | 0% | | F | None Detected 0% | 100% | N/A |
| 7 | 61696-7 | 8 Moon | White Ceiling Joint Compound on Drywall | None Detected 0% | 0% | | F | None Detected 0% | 100% | N/A |
| 8 | 61696-8 | Moon Hallway | White Wall Plaster | None Detected 0% | 0% | | F | None Detected 0% | 100% | N/A |
| 9 | 61696-9 | Moon Hallway | White Wall Plaster | None Detected 0% | 0% | | F | None Detected 0% | 100% | N/A |
| 10 | 61696-10 | 1 Moon | White Ceiling Joint Compound on Drywall | None Detected 0% | 0% | | F | None Detected 0% | 100% | N/A |

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

*NAD*: No Asbestos detected by TEM analysis

N/A: Not applicable; TEM analysis not required

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analyst: J. Cravotta - Meiji PLM (MT9920)
Analyst: M. Ling - NIKON Optiphot 2 PLM(139570)

Approved By: J. DeNike Laboratory Director

Lozier
Environmental Consulting, Inc.

2011 East Main Street, Rochester, New York 14609
Phone: (585) 654-9080 Fax: (585) 654-9662
www.LozierEnv.com
ELAP #11770

Client: Finger Lakes DDSO
620 Westfall
Rochester, New York 14620

Attn: Mark Ferrante

Project Site: 620 Westfall Road, Rochester, New York 114620

Laboratory No.: 61696
Date Received: 1/30/20
Report Date: 2/3/20
Analysis Date: 1/31/20
Page: 2 of 3
Chain of Custody In Following Pages
TEM results in Following Pages

SAMPLE INFORMATION

| | | | | | |
|---|---|---|---|---|---|
| Sample Date: | 1/30/20 | Location: Interior | | Analyst: J. Cravotta | |
| Sampler: | K. Updyke | Type of Sample: Bulk Asbestos | | Number of Samples: | 21 |

ASBESTOS BULK LABORATORY REPORT

| Client ID | Lab ID | Sampling Location | Description | PLM Asbestos Fibers (%) | PLM Total Asbestos (%) | NOTE | CLASS | PLM Non-Asbestos Fibers (%) | Matrix Material (%) | TEM Results Asbestos (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 61696-11 | Hallway by Gym Entrance | White Ceiling Joint Compound on Drywall | None Detected 0% | 0% | | F | None Detected 0% | 100% | |
| 12 | 61696-12 | 738 Flower | White Ceiling Joint Compound on Drywall | None Detected 0% | 0% | | F | None Detected 0% | 100% | |
| 13 | 61696-13 | 738 Flower | White Ceiling Joint Compound on Drywall | None Detected 0% | 0% | | F | None Detected 0% | 100% | |
| 14 | 61696-14 | 608 Tree Hall | White Ceiling Joint Compound on Drywall | None Detected 0% | 0% | | F | None Detected 0% | 100% | |
| 15 | 61696-15 | 608 Tree Hall | White Ceiling Joint Compound on Drywall | None Detected 0% | 0% | | F | None Detected 0% | 100% | |
| 16 | 61696-16 | 608 Tree Hall | White Ceiling Joint Compound on Drywall | None Detected 0% | 0% | | F | None Detected 0% | 100% | |
| 17 | 61696-17 | 608 Tree Hall | White Ceiling Joint Compound on Drywall | None Detected 0% | 0% | | F | None Detected 0% | 100% | |
| 18 | 61696-18 | 701 Flower | White Ceiling Joint Compound on Drywall | None Detected 0% | 0% | | F | None Detected 0% | 100% | |
| 19 | 61696-19 | 701 Flower | White Ceiling Joint Compound on Drywall | Chrysotile 2.4% | 2.4% | | F | None Detected 0% | 97.6% | |
| 20 | 61696-20 | 708 Flower | White Ceiling Joint Compound on Drywall | None Detected 0% | 0% | | F | None Detected 0% | 100% | |

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

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Analyst: J. Cravotta - Meiji PLM (MT9920)
Analyst: M. Ling - NIKON Optiphot 2 PLM(139570)

Approved By: _____
J. DeNike Laboratory Director

Lozier
Environmental Consulting, Inc.

2011 East Main Street, Rochester, New York 14609
Phone: (585) 654-9080 Fax: (585) 654-9662
www.LozierEnv.com
ELAP #11770

Client: Finger Lakes DDSO
620 Westfall
Rochester, New York 14620

Attn: Mark Ferrante

Project Site: 620 Westfall Road, Rochester, New York 114620

Laboratory No.: 61696
Date Received: 1/30/20
Report Date: 2/3/20
Analysis Date: 1/31/20
Page: 3 of 3

Chain of Custody in Following Pages
TEM results in Following Pages

SAMPLE INFORMATION

| | | | | | |
|---|---|---|---|---|---|
| Sample Date: | 1/30/20 | Location: Interior | | Analyst: J. Cravotta | |
| Sampler: | K. Updyke | Type of Sample: Bulk Asbestos | | Number of Samples: | 21 |

ASBESTOS BULK LABORATORY REPORT

| Client ID | Lab ID | Sampling Location | Description | PLM Asbestos Fibers (%) | PLM Total Asbestos (%) | NOTE | CLASS | PLM Non-Asbestos Fibers (%) | Matrix Material (%) | TEM Results Asbestos (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 21 | 61696-21 | 708 Flower | White Ceiling Joint Compound on Drywall | None Detected 0% | 0% | | F | None Detected 0% | 100% | N/A |
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Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

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Analyst: J. Cravotta - Meiji PLM (MT9920)
Analyst: M. Ling - NIKON Optiphot 2 PLM(139570)

Approved By: J. DeNike Laboratory Director

# PLM ASBESTOS BULK MATERIAL SAMPLES

Lozier Environmental Consulting, Inc.
2011 East Main Street, Rochester, New York
Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
ELAP Accredited No. 11770



| | | | | | |
|---|---|---|---|---|---|
| **Client:** | Finger Lakes DDSO | **Sample Date:** | 1/30/2020 | **Lab No.:** 61696 | **Contacted Client** |
| **Address:** | 620 Westfall Road | **Turn Around:** | | | **Left Message** |
| | Rochester, New York 14620 | **Location:** 620 west fall rd | | **TEM** 300 | **T/R** **Sent** |
| **Contact:** | Mark Ferrante | | | | |
| **Phone #** | **Fax #** | **No. Samples:** 21 | | **Sampled By:** k.updyke | |

| Client ID | Lab ID | Room/Area Location | Color/Description | Material Type | Stop Positive | Layer No. | F - NF NOB | + - | TEM |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 61696-1 | leaf st csea office | white | ceiling joint compound | | | F | – | |
| 2 | -2 | leaf st csea office | white | ceiling joint compound | | | F | – | |
| 3 | -3 | leaf st csea office top of stairs | white | ceiling texture | | | F | – | |
| 4 | -4 | leaf st csea office top of stairs | white | ceiling texture | | | F | – | |
| 5 | -5 | 17 moon | white | ceiling joint compound | | | F | – | |
| 6 | -6 | 17 moon | white | ceiling joint compound | | | F | – | |
| 7 | -7 | 8 moon | white | ceiling joint compound | | | F | – | |
| 8 | -8 | moon hallway | white | wall plaster | | | F | – | |
| 9 | -9 | moon hallway | white | wall plaster | | | F | – | |
| 10 | -10 | 1 moon | white | ceiling joint compound | | | F | – | |

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.

RECEIVED BY:

DATE: 1/30/20 TIME: 1230

Relinquished By:

DATE: 1-30-2020 TIME: 1200

Lozier
Environmental Consulting, Inc.
2011 East Main Street, Rochester, New York
Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
ELAP Accredited No. 11770

# PLM ASBESTOS BULK MATERIAL SAMPLES



| | | | | | |
|---|---|---|---|---|---|
| **Client:** | Finger Lakes DDSO | **Sample Date:** | 1/30/2020 | **Lab No.:** 61696 | **Contacted Client** |
| **Address:** | 620 Westfall Road | **Turn Around:** | | | **Left Message** |
| | Rochester, New York 14620 | **Location:** 620 west fall rd | | **TEM** (Yes) | **T/R** **Sent** |
| **Contact:** | Mark Ferrante | | | | |
| **Phone #** | **Fax #** | **No. Samples:** 21 | | **Sampled By:** k.updyke | |

| Client ID | Lab ID | Room/Area Location | Color/Description | Material Type | Stop Positive | Layer No. | F - NF NOB | + - | TEM |
|---|---|---|---|---|---|---|---|---|---|
| 11 | 61696-11 | hallway by gym entrance | white | ceiling joint compound | | | F | – | |
| 12 | -12 | 738 flower | white | ceiling joint compound | | | F | – | |
| 13 | -13 | 738 flower | white | ceiling joint compound | | | F | – | |
| 14 | -14 | 608 tree hall | white | ceiling joint compound | | | F | – | |
| 15 | -15 | 608 tree hall | white | ceiling joint compound | | | F | – | |
| 16 | -16 | 608 tree hall | white | ceiling joint compound | | | F | – | |
| 17 | -17 | 608 tree hall | white | ceiling joint compound | | | F | – | |
| 18 | -18 | 701 flower | white | ceiling joint compound | | | F | – | |
| 19 | -19 | 701 flower | white | ceiling joint compound | | | F | + | |
| 20 | -20 | 708 flower | white | ceiling joint compound | | | F | – | |

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.

RECEIVED BY:

DATE: 1/30/20 TIME: 1330

Relinquished By: K.Updyke

DATE: 1-30-2020 TIME: 1300

Lozier
Environmental Consulting, Inc.

2011 East Main Street, Rochester, New York
Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
ELAP Accredited No. 11770

# PLM ASBESTOS BULK MATERIAL SAMPLES



| | | | | | |
|---|---|---|---|---|---|
| **Client:** | Finger Lakes DDSO | **Sample Date:** | 1/30/2020 | **Lab No.:** 61696 | **Contacted Client** |
| **Address:** | 620 Westfall Road | **Turn Around:** | | | **Left Message** |
| | Rochester, New York 14620 | **Location:** 620 west fall rd | | TEM (Y) | T/R Sent |
| **Contact:** | Mark Ferrante | | | | |
| **Phone #** | **Fax #** | **No. Samples:** 21 | | **Sampled By:** k.updyke | |

| Client ID | Lab ID | Room/Area Location | Color/Description | Material Type | Stop Positive | Layer No. | F - NF NOB | + - | TEM |
|---|---|---|---|---|---|---|---|---|---|
| 21 | 61696-21 | 708 flower | white | ceiling joint compound | | | F | — | |
| | | | | | | | | | |
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TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.

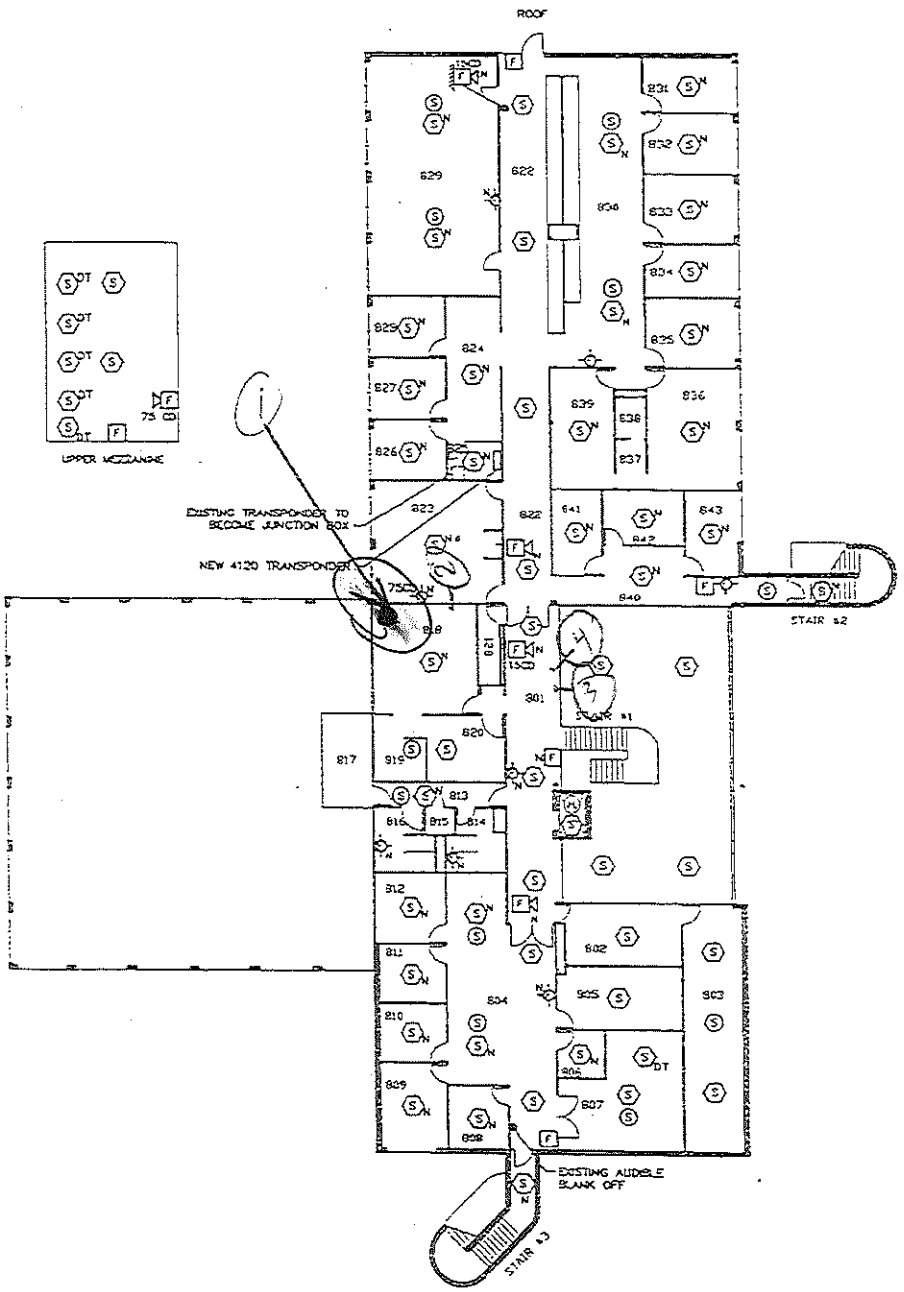
Relinquished By: K. Updyke

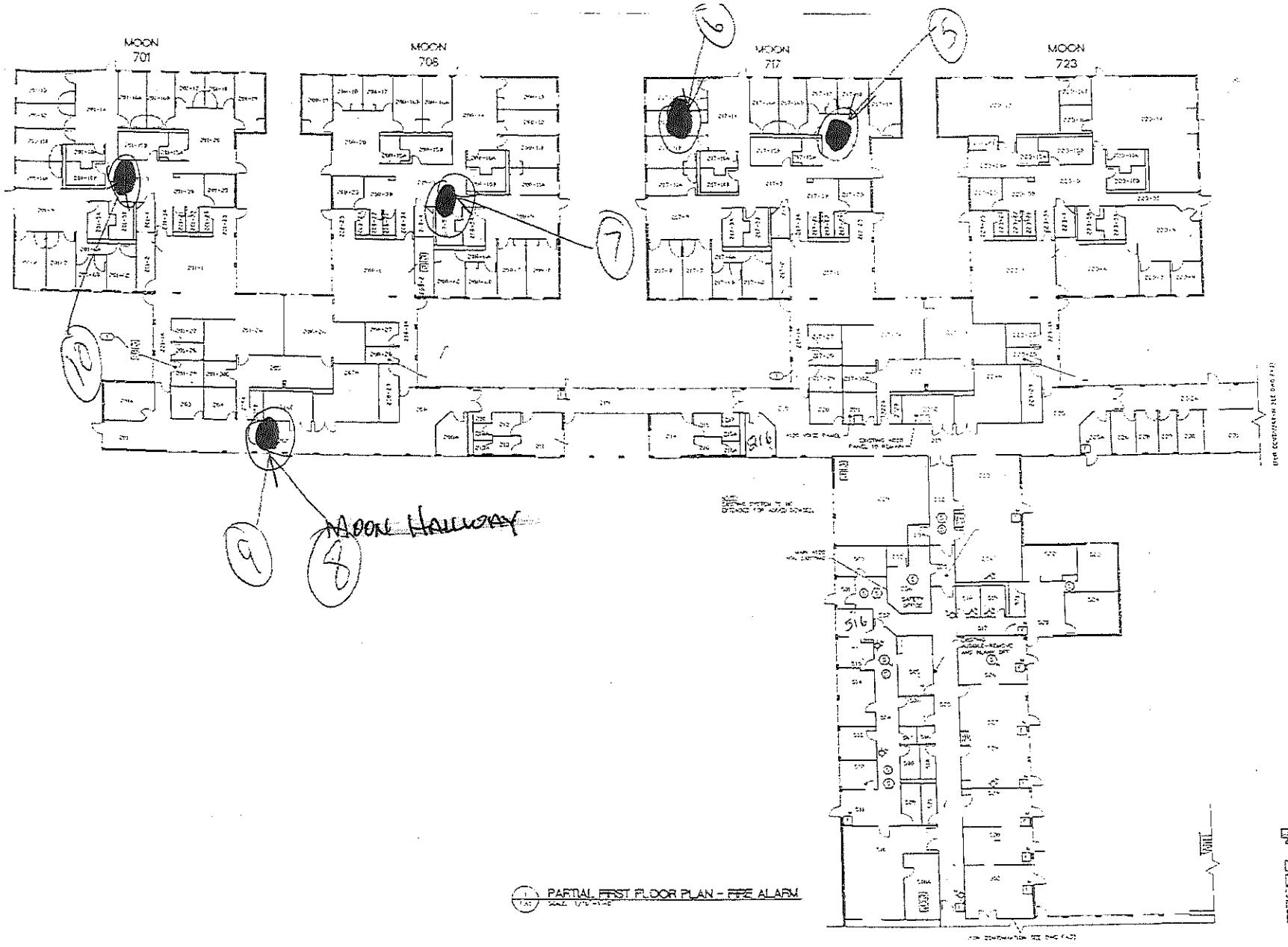
RECEIVED BY: [illegible]

DATE: 1-30-2020 TIME: 1200

DATE: 1/30/20 TIME: 1230

LEAF ST.
CSEA OFFICE






1 PARTIAL FIRST FLOOR PLAN - FIRE ALARM
SCALE: 1/8"=1'-0"

Architect
DESIGN EAST

PLUMB

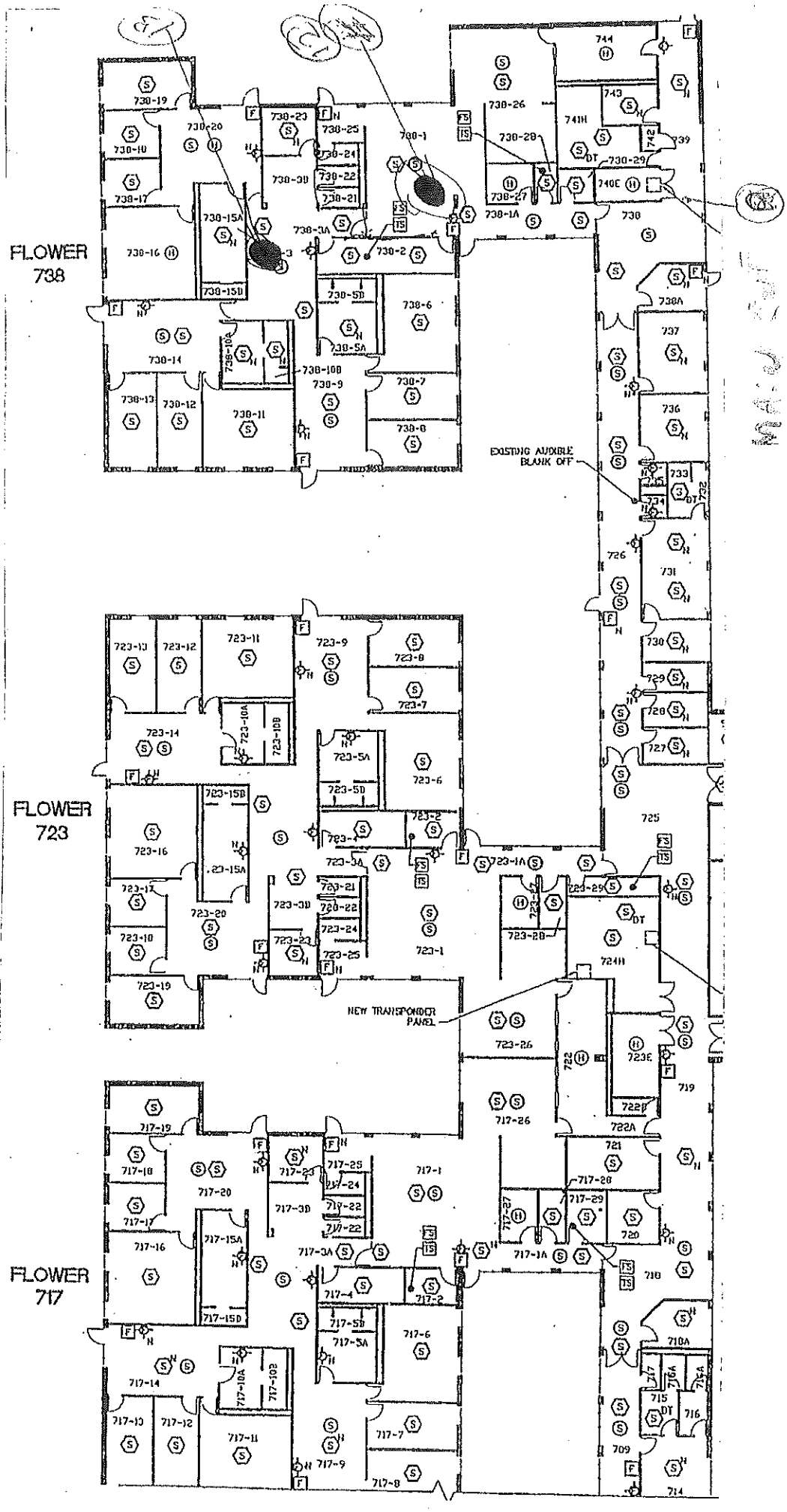
PROJECT
FIRE ALARM SYSTEM UPGRADE
MONROE D. C.
ROCHESTER, NEW YORK
FINGER LAKES DIV.30

DRAWING TITLE
PARTIAL FIRST FLOOR
PLAN - FIRE ALARM

DATE
06/17/05
REVISIONS
12/15/05

DWG. NO.
A1

KEY PLAN


FLOWER
738
FLOWER
723
FLOWER
717
EXISTING AUDIBLE
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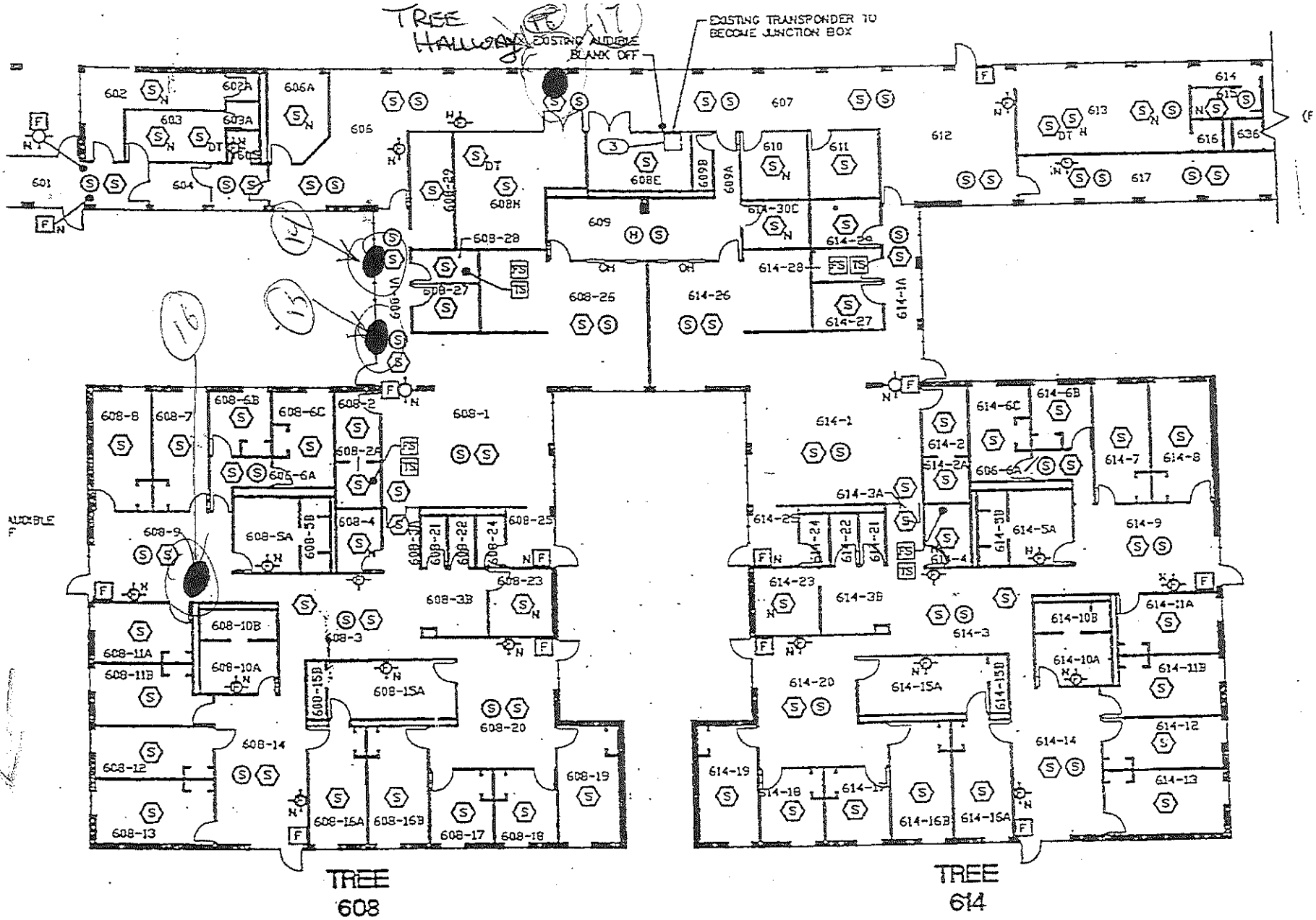
NEW TRANSPONDER
PANEL


TREE HALLWAY
EXISTING AUDIBLE BLANK OFF
EXISTING TRANSPONDER TO BECOME JUNCTION BOX
TREE 608
TREE 614

DESIGN EAS
DELTA ENGINEERS, P.C.
L.I.T. @ MONROE D.C.
620 WESTFALL ROAD
ROCHESTER, NEW YORK
EINGER 1 AKF5 DD30
FLOOR PLANS
701 / 708 FLOWER ST.
DRAWING TITLE
C1
PARTITION TYPES
FLOOR PLAN - 701/708 FLOWER STREET
701 FLOWER STREET
708 FLOWER STREET

23-0469

# Bulk Sample Asbestos Analytical Report

LABELLA ASSOCIATES, DPC
ANALYTICAL LABORATORY
300 STATE STREET
ROCHESTER, NY 14614
585.454.6110 FAX 585.454.3066

LBL ELAP # 11184
All TEM analysis by AMA Lab, ELAP # 10920
PLM Methods: 198.1, 198.4 & 198.6
RSD: 18.3

LBL JOB # 40223



Client Code:

CLIENT: Labella Associates
ADDRESS: 300 State Street
Rochester, NY 14614

Project Number: 2161600.52/97
Sample Type: PLM Bulk
Sample Date: 4/7/2023

PROJECT LOCATION: 620 Westfall Road

| Field ID | LBL ID | Method | Asbestos Type | % | Other Fibers | % | Matrix | % | Color/Description |
|---|---|---|---|---|---|---|---|---|---|
| 620-1A | 40223-1 | P | ND | | ND | | MIN | 100 | WHITE DRYWALL |
| 620-1B | 40223-2 | P | ND | | ND | | MIN | 100 | WHITE DRYWALL |
| 620-2A | 40223-3 | P | ND | | ND | | MIN | 100 | WHITE JOINT COMPOUND |
| 620-2B | 40223-4 | P | ND | | ND | | MIN | 100 | WHITE JOINT COMPOUND |
| 620-4A | 40223-5 | T | ND | | ND | | MIN/BINDER | 100 | TAN MASTIC |
| 620-4B | 40223-6 | T | ND | | ND | | MIN/BINDER | 100 | TAN MASTIC |
| 620-5A | 40223-7 | N | CHYRSOTILE | 21 | ND | | MIN/VINYL | 79 | GRAY FLOOR TILE |
| 620-6A | 40223-8 | N | CHYRSOTILE | 14 | ND | | MASTIC | 86 | BLACK MASTIC |
| 620-7A | 40223-9 | T | ND | | ND | | MIN/BINDER | 100 | BEIGE MASTIC |
| 620-7B | 40223-10 | T | ND | | ND | | MIN/BINDER | 100 | BEIGE MASTIC |
| 620-8A | 40223-11 | P | ND | | ND | | RUBBER | 100 | GRAY COVE BASE |
| 620-8B | 40223-12 | P | ND | | ND | | RUBBER | 100 | GRAY COVE BASE |
| 620-9A | 40223-13 | T | ND | | ND | | MIN/BINDER | 100 | BROWN MASTIC |
| 620-9B | 40223-14 | T | ND | | ND | | MIN/BINDER | 100 | BROWN MASTIC |
| 620-10A | 40223-15 | P | ND | | ND | | RUBBER | 100 | BLACK COVE BASE |
| 620-10B | 40223-16 | P | ND | | ND | | RUBBER | 100 | BLACK COVE BASE |
| 620-11A | 40223-17 | P | ND | | ND | | MIN | 100 | GRAY DRYWALL |
| 620-11B | 40223-18 | P | ND | | ND | | MIN | 100 | GRAY DRYWALL |
| 620-12A | 40223-19 | P | ND | | ND | | MIN | 100 | WHITE JOINT COMPOUND |
| 620-12B | 40223-20 | P | ND | | ND | | MIN | 100 | WHITE JOINT COMPOUND |
| 620-13A | 40223-21 | P | ND | | CELL | 100 | ND | | WHITE DRYWALL TAPE |

LAB DIRECTOR: Matthew Smith Date: 4/10/23

Method Code: P - Friable PLM result N - NOB PLM result T - TEM result IN* - Inconclusive G - Gravametric Matrix Reduction where sample residue weight is less than 1% of original sample weight, TEM not required.
Terms: ND** - None Detected CELL - Cellulose JC - Joint Compound MIN - Mineral GLASS - Fiberglass <1** - Trace PLAS - Plaster Vermiculite - Vermiculite is reported as an asbestos-containing mineral in accordance with NYSDOH determinations and requirements. See NYSDOH guidance, available upon request.

* "Polarized-light microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can be used to determine if this material can be considered to be non-asbestos containing."
** Please note: Due to interference from sample matrix components results reported via PLM method ELAP 198.1 as negative (ND) or less than 1% (Trace) may be inaccurate and reported as a False Negative. It is recommended that additional analytical techniques such as gravimetric reduction, TEM and others be used to reduce obscuring effects of some matrix components yielding more accurate results.

23-0469

# LaBella Lab Bulk Sample Asbestos Analytical Report

LBL JOB # 40223



Client Code:

CLIENT: Labella Associates

Project Number: 2161600.52/97

PROJECT LOCATION: 620 Westfall Road

| Field ID | LBL ID | Method | Asbestos Type | % | Other Fibers | % | Matrix | % | Color/Description |
|---|---|---|---|---|---|---|---|---|---|
| 620-13B | 40223-22 | P | ND | | ND | | MIN | 100 | WHITE DRYWALL TAPE |
| 620-14A | 40223-23 | P | ND | | GLASS | 85 | MIN | 15 | GRAY FIREPROOFING |
| 620-14B | 40223-24 | P | ND | | GLASS | 85 | MIN | 15 | GRAY FIREPROOFING |
| 620-14C | 40223-25 | P | ND | | GLASS | 85 | MIN | 15 | GRAY FIREPROOFING |
| 620-15A | 40223-26 | P | ND | | ND | | MIN | 100 | GRAY DRYWALL |
| 620-15B | 40223-27 | P | ND | | ND | | MIN | 100 | GRAY DRYWALL |
| 620-16A | 40223-28 | P | ND | | ND | | MIN | 100 | WHITE JOINT COMPOUND |
| 620-16B | 40223-29 | P | ND | | ND | | MIN | 100 | WHITE JOINT COMPOUND |
| 620-17A | 40223-30 | N | CHRYSOTILE | 3.3 | CELL | 0.7 | MIN/BINDER | 96 | BROWN MASTIC |
| 620-18A | 40223-31 | P | ND | | ND | | RUBBER | 100 | BLACK COVE BASE |
| 620-18B | 40223-32 | P | ND | | ND | | RUBBER | 100 | BLACK COVE BASE |
| 620-19A | 40223-33 | P | ND | | ND | | MIN | 100 | WHITE TEXTURED COATING |
| 620-19B | 40223-34 | P | ND | | | | MIN | 100 | WHITE TEXTURED COATING |
| 620-20A | 40223-35 | P | ND | | ND | | MIN | 100 | WHITE TEXTURED COATING |
| 620-20B | 40223-36 | P | ND | | ND | | MIN | 100 | WHITE TEXTURED COATING |
| 620-21A | 40223-37 | T | ND | | ND | | MIN/BINDER | 100 | TAN MASTIC |
| 620-21B | 40223-38 | T | ND | | ND | | MIN/BINDER | 100 | TAN MASTIC |
| 620-22A | 40223-39 | P | ND | | ND | | MIN | 100 | WHITE DRYWALL |
| 620-22B | 40223-40 | P | ND | | ND | | MIN | 100 | WHITE DRYWALL |
| 620-23A | 40223-41 | P | CHRYSOTILE | 3.0 | ND | | MIN | 97 | TAN JOINT COMPOUND |
| 620-23B | 40223-42 | P | CHRYSOTILE | 3.3 | CELL | 0.7 | MIN | 96 | TAN JOINT COMPOUND |
| 620-24A | 40223-43 | N | CHRYSOTILE | 8 | ND | | MIN/BINDER | 92 | TAN/BLACK MASTIC |
| 620-25A | 40223-44 | P | ND | | ND | | MIN | 100 | WHITE JOINT COMPOUND |
| 620-25B | 40223-45 | P | ND | | ND | | MIN | 100 | WHITE JOINT COMPOUND |
| 620-26A | 40223-46 | P | CHRYSOTILE | 2.7 | CELL | 0.3 | MIN | 97 | TAN JOINT COMPOUND |
| 620-26B | 40223-47 | P | CHRYSOTILE | 2.9 | CELL | 0.1 | MIN | 97 | TAN JOINT COMPOUND |
| | | | | | | | | | |
| | | | | | | | | | |

LAB DIRECTOR: Matthew Smith Date: 4/10/23

Method Code: P - Friable PLM result N - NOB PLM result T - TEM result IN* - Inconclusive G - Gravametric Matrix Reduction where sample residue weight is less than 1% of original sample weight, TEM not required.

Terms: ND** - None Detected CELL - Cellulose JC - Joint Compound MIN - Mineral GLASS - Fiberglass <1** - Trace PLAS - Plaster Vermiculite - Vermiculite is reported as an asbestos-containing mineral in accordance with NYSDOH determinations and requirements. See NYSDOH guidance, available upon request.

* "Polarized-light microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can be used to determine if this material can be considered to be non-asbestos containing."

** Please note: Due to interference from sample matrix components results reported via PLM method ELAP 198.1 as negative (ND) or less than 1% (Trace) may be inaccurate and reported as a False Negative. It is recommended that additional analytical techniques such as gravimetric reduction, TEM and others be used to reduce obscuring effects of some matrix components yielding more accurate results.

23-0469

# ASBESTOS SAMPLING SURVEY
# BULK SAMPLE LOG
# AND CHAIN OF CUSTODY

**Location: 620 Westfall** | **Client: DASNY**

**Job No.:** | **Rates: 16/24/40**

**Date: 4/7/2023** | **Relinquished by:**

**Sampled** | **Received**

**LaBella Lab N** | **Number of Samples:** 51

**STOP Positive:** NO

| | Field ID # | Sample Location | Type of Suspect ACM to be Analyzed | Approx. Amount |
|---|---|---|---|---|
| P 1 | 620 – 1A | Room 451 - Ceiling • | White Drywall | |
| P 2 | 620 – 1B | Room 418 - Ceiling • | White Drywall | |
| P 3 | 620 – 2A | Room 451 - Ceiling • | White Joint Compound | |
| P 4 | 620 – 2B | Room 418 - Ceiling • | White Joint Compound | |
| | 620 – 3A | ***Sample Number Not Used*** | | |
| | 620 – 3B | ***Sample Number Not Used*** | | |
| T 5 | 620 – 4A | Room 451 – Floor (under carpet) • | Tan Carpet Mastic | |
| T 6 | 620 – 4B | Corridor 822 – Floor (under carpet) • | " " " | |
| +N 7 | 620 – 5A | Room 451 – Floor (under carpet) • | Dark Gray 12" Floor Tile | |
| V | 620 – 5B | Corridor ~~451~~ 822 – Floor (under carpet) • | Dark Gray 12" Floor Tile | |
| +N 8 | 620 – 6A | Room 451 – Floor (under 12" Tile) • | Black Floor Tile Mastic | |
| V | 620 – 6B | Corridor ~~451~~ 822 – Floor (under 12" Tile) • | Black Floor Tile Mastic | |
| T 9 | 620 – 7A | Room 451 – Cove Base • | Beige Cove Mastic | |
| T 10 | 620 – 7B | Room 418 – Cove Base • | Beige Cove Mastic | |
| P 11 | 620 – 8A | Room 451 – Cove Base • | Gray Vinyl Cove Base | |
| P 12 | 620 – 8B | Room 451 – Cove Base • | Gray Vinyl Cove Base | |
| T 13 | 620 – 9A | Room 475 – Cove Base • | Brown Cove Mastic | |
| T 14 | 620 – 9B | Room 475 – Cove Base • | Brown Cove Mastic | |
| P 15 | 620 – 10A | Room 475 – Cove Base • | Black Vinyl Cove Base | |
| P 16 | 620 – 10B | Room 475 – Cove Base • | Black Vinyl Cove Base | |

23-0469

# ASBESTOS SAMPLING SURVEY
# BULK SAMPLE LOG
# AND CHAIN OF CUSTODY

**Location:** 620 Westfall Road
**Client:** DASNY
**Job No.:** 2161600.52 – 97
**Rates:** 16/24/40
**Date:** 4/7/2023
**elinquished by:** Jarrod Miner – 4/7/2023
**Sampled By:** Jarrod Miner
**Received by:** Matt Smith
**LaBella Lab No.:**
**Number of Samples:**
**STOP Positive:** YES NO

| | Field ID # | Sample Location | Type of Suspect ACM to be Analyzed | Approx. Amount |
|---|---|---|---|---|
| P 17 | 620 – 11A | Corridor 822 - Ceiling • | Gray Drywall | |
| P 18 | 620 – 11B | Room ~~418~~ 819 - Ceiling • | Gray Drywall | |
| P 19 | 620 – 12A | Corridor 822 - Ceiling • | White Joint Compound | |
| P 20 | 620 – 12B | Room 819 – Ceiling • | White Joint Compound | |
| P 21 | 620 – 13A | Room 418 - Ceiling • | White Drywall Tape | |
| P 22 | 620 – 13B | Room 418 - Ceiling • | White Drywall Tape | |
| P 23 | 620 – 14A | Room 418 – On structural beam above ceiling • | Gray Fireproofing | |
| P 24 | 620 – 14B | Room 418 – Over spray above ceiling • | Gray Fireproofing | |
| P 25 | 620 – 14C | Corridor 822 – Over spray above ceiling r • | Gray Fireproofing | |
| P 26 | 620 – 15A | Room 823 - Wall • | Gray Drywall | |
| P 27 | 620 – 15B | Room 820 - Wall • | Gray Drywall | |
| P 28 | 620 – 16A | Room 823 - Wall • | White Joint Compound | |
| P 29 | 620 – 16B | Room 820 - Wall • | White Joint Compound | |
| -N 30 | 620 – 17A | Room 823 – Cove Base (in accordion door closet space) • | Brown Cove Mastic | |
| V | 620 – 17B | Corridor 801 – Cove Base • | Brown Cove Mastic | |
| P 31 | 620 – 18A | Room 823 – Cove Base (in accordion door closet space) • | Black Vinyl Cove Base | |
| P 32 | 620 – 18B | Corridor 801 – Cove Base • | Black Vinyl Cove Base | |
| P 33 | 620 – 19A | Corridor 801 – Textured Ceiling • | White Textured Coating | |
| -P 34 | 620 – 19B | Lobby 402 – Textured Ceiling • ** Not ACM | White Textured Coating | |

23-0469

# ASBESTOS SAMPLING SURVEY
# BULK SAMPLE LOG
# AND CHAIN OF CUSTODY

**Location:** 620 Westfall Road
**Client:** DASNY
**Job No.:** 2161600.52 – phase 97
**Rates:** 16/24/40
**Date:** 4/7/2023
**Relinquished by:** Jarrod Miner – 4/7/2023
**Sampled By:** Jarrod Miner
**Received by:** Matt Smith
**LaBella Lab No.:** 40223
**Number of Samples:**
**STOP Positive:** YES NO

| | Field ID # | Sample Location | Type of Suspect ACM to be Analyzed | Approx. Amount |
|---|---|---|---|---|
| P 35 | 620 – 20A | Corridor 801 – Textured Wall (lower) • | White Textured Coating | |
| P 36 | 620 – 20B | Lobby 402 – Textured Wall • | White Textured Coating | |
| T 37 | 620 – 21A | Room 818 – Floor (under carpet) • | Tan Carpet Mastic (sticky) | |
| T 38 | 620 – 21B | Room 820 – Floor (under carpet) • | Tan Carpet Mastic (sticky) | |
| P 39 | 620 – 22A | Room 804 - Ceiling • | White Drywall | |
| P 40 | 620 – 22B | Room 804 - Ceiling • | White Drywall | |
| + P 41 | 620 – 23A | Room 804 – Ceiling • | Tan Joint Compound | |
| + P 42 | 620 – 23B | Room 804 - Ceiling • | Tan Joint Compound | |
| + N 43 | 620 – 24A | Room 804 – Floor (under 2 layers of carpeting) • | Tan/Black Mastic | |
| V | 620 - 24B | Room 804 – Floor (under 2 layers of carpeting) • | Tan/Black Mastic | |
| P 44 | 620 – 25A | Corridor 801 – Ceiling • | White ~~Joint Compound~~ TEXTURED CEILING JM | |
| P 45 | 620 – 25B | Corridor 801 – Ceiling • | White ~~Joint Compound~~ TEXTURED CEILING | |
| + P 46 | 620 - 26A | LOBBY 402 - CEILING (ABOVE TEXTURED COATING) • | TAN JOINT COMPOUND | |
| + P 47 | 620 - 26B | CORRIDOR 801 - CEILING (SOFFIT) • | TAN JOINT COMPOUND | |
| | | | | |
| | | | | |
| | | | | |

# TIME OUT ROOM SPECIFICATIONS

Exceptions to specific physical plant requirements:

- OPWDD may waive specific physical plant requirements upon the application of an agency.
- Time Out Rooms which were in existence on April 1, 2013 are not required to comply with the specific physical plant requirements if the Time Out Room was approved by OPWDD prior to April 1, 2013. A new OPWDD waiver is not required in this situation. However, OPWDD approval is required for any significant modification of such Time Out Room which occurs on or after April 1, 2013.

There shall be a single access/egress point and precautions shall be made to ensure that the approach path to this point is safe and clear.

The minimum measurements of the room shall be 6' length x 8' wide x 8' height except those in existence prior to April 1, 2013.

Colors are selected to create a calm, relaxed atmosphere.

There shall be no electrical fixtures, outlets, switches or wiring which may cause harm or injury to a person. There shall be no protruding light fixtures on any ceiling lower than 10' in height. There shall be no protruding light fixtures on any wall. Recessed light fixtures shall be designed to withstand tampering or destruction by the individual in the room.

Sprinkler heads shall be the concealed type.

There shall be no exposed pipes. Coverings shall be designed to prevent the possibility of any pipes being grasped by the individual.

There shall be no exposed holes.

There shall be no protrusions on which a person might be injured. There shall be no protruding doorknob in the room. If the door is sufficiently padded to recess the knob, but still cause it to be accessible, this is permissible.

The use of glass shall be minimized and unbreakable glass should be used whenever possible. Coverings for glass that is breakable are to be designed in such a way as to prevent being grasped by the occupant. Mirrors must be non-breakable.

Padding or resilient wall covering shall be affixed to walls and the floor in such a fashion that it cannot be easily removed by the occupant. Provisions shall be made for the removal of the padding or wall covering for cleaning, repairing or altering of any such unless the wall surface cover is such that it can be cleaned, maintained, and repaired in place. In facilities where the interior finish rating is required (i.e. Life Safety Code compliant facilities) the finish rating of the wall or floor surfaces shall be equal to or greater than that required by the Life Safety Code. The floor surface covering shall be consistent with the needs of the individual using the room.

There shall be adequate measurement equipment to ensure control of temperature, humidity and circulation of air within the room.

If soundproofing of the Time Out Room is necessary for the comfort of other people receiving services, staff outside the room must be able at all times to hear normal conversational speech by an individual in the room.

There shall be no furniture or other objects in the room.

The viewing area shall be designed to be functional, taking into account the comfort and suitability for use by staff.

The viewing area shall be sufficiently large to maximize visual observation. The access/egress door shall have an observation window made of unbreakable material. This window should be located at a proper height, and should be sufficiently large to allow full observations of the room. The total individual must be visible at all times, but this shall not be construed to mean that the design of the room must provide for the capability of observing every action, facial expression, etc., should the individual be standing/sitting in such a position or location that limits the view.

The Time Out Room shall also contain a convex mirror made of unbreakable material so as to allow complete observation. The mirror shall be placed out of reach of any individual using the Time Out Room.

Windows (other than observation windows) shall be completely covered with a false wall to ensure the individual's safety and to eliminate distraction and/or visual stimulation in what is intended to be a non-stimulating environment.

Doors shall swing outward from the inside. Doors may be locked only by the continuous physical action of staff. The door release mechanism must be designed in such a way that if staff are not applying pressure, or physically holding the release mechanism, the door lock automatically releases.

If a Time Out Room must be secured when not in use, the mechanism used for this purpose shall be such that the door can be opened, at will, from the inside.

Door thresholds shall not protrude creating a trip hazard. These shall be flush with the floor or ramped.

There shall be a clock visible to staff to monitor the duration of the Time Out.

The room must be cleaned and disinfected regularly and after each use.

# Designated Secure Facility (DSF)

*Intensive Treatment Option (ITO) standards.*

(Note: The following information is currently under review and has not passed OPWDD's formal review/approval process)

A. SECURE PERIMITER - EXTERIOR
   a. Must have a clearly defined secure perimeter.
   b. Secure perimeter must be constructed in such a way as to minimize the ability of individuals to escape from the facility
   c. Any outdoor recreation areas that will be regularly utilized by individuals residing in the ITO shall be located within the secure perimeter.
   d. Chain link fencing of at least 14 feet in height shall be utilized to establish a secure perimeter around building(s).
   e. Fencing systems should utilize 3/8 inch, unclimbable mesh at the top 4 feet of the fence, in corners and wherever the fencing abuts any structure.
   f. Rigid metal flashing and/or unclimbable mesh fencing should also be utilized to prevent any foot holds.
   g. Any overhanging (into the secure area) tree, limbs or obstructions should be removed within 12 feet of the secure fencing.
   h. All fence gates should be equipped with heavy duty, security grade hinges, latches, hardware and locking devices designed to withstand attempts to force the gates open and escape.

B. SECURE PERIMITER - BUILDING
   a. The secure building perimeter should be hardened by use of security grade doors, window frames and security type glazing on all openings and exits that lead directly to the exterior through the secure building perimeter.
   b. Fire and emergency exists should be configured so that individuals exiting during emergency drills do not have to leave the secure perimeter exterior unless it is an actual emergency in which case adequate supervision should be provided to minimize the risk of escape.

C. ENTRANCE AND EGRESS FROM SECURED FACILITY
   a. Entrance and egress must be controlled to assure that only authorized individuals are allowed access to enter and exit the facility.
   b. A (2)door, interlocking sally port type arrangement is preferred at the entrance to the facility.
   c. All glazing is to be secure type. No additional, applied coatings or visual obstructions are allowed.
   d. Interlocked, electronically operated (with dual key manual override) doors shall be used so that the two doors cannot be unlocked simultaneously and so that an individual cannot completely enter or exit the facility by means of one key.

e. A key control system shall be utilized to assure that keys are always accounted for. No key shall be taken outside of the DSF. Any keys which are lost shall be immediately
reported and appropriate changes made to locks to minimize opportunities for individuals to utilize the key for escape purposes.

D. POLICIES AND PROCEDURES

a. Each DSF must establish policies and procedures that will assure adequate supervision of all individuals, provide mechanisms for secure access and egress from the facility, describe the procedures to be utilized to protect against the risk of escapes in all situations and clearly indicate what staff should do in the event of an escape or a missing individual.
b. Procedure shall be developed for gaining regular and irregular access to the unit by all staff, visitors, or others.
c. Procedure shall be developed for protocols to be utilized when transporting one or more individuals outside of the secure perimeter for regular or exceptional reasons.
d. Review considerations for the use of escape deterring devices.
e. Develop procedure to be utilized when individuals return to the DSF from outside the secure perimeter including when and by whom personal searches will be conducted.
f. Procedure shall describe the protocols to be implemented during a fire drill as well as an actual emergency evacuation situation to assure that individuals are safely evacuated while avoiding the risk of escapes.
g. Policy and Procedure shall be developed to deal with contraband, weapons, attempted escapes, riots, assaults on staff, and sexual incidents.
h. Policy shall include a procedure to be followed for bed checks at regular intervals during night-time sleeping hours. Bed checks should be done at least every (30) minutes, should be documented and include written verification that an individual was in their bed or room.
i. A procedure for regular patrols by staff for securing all aspects of the perimeters, gates, fences and all secure perimeter building access/egress doors. These checks should focus on the integrity of the secure perimeter(s) and shall document any wear and tear of gates or fencing, digging around fencing, and any attempts to disable any components of the security systems or hide contraband.
j. All interior rooms and other areas shall be protected with appropriate locking devices to assure that individuals cannot gain access to interior areas to which they are not authorized. All locking devices should be of the type that does not permit unauthorized entry by disabling the locking mechanism with materials available within the DSF.
k. The facility shall have an exterior and interior of building Duress Alarm System that notifies staff if any person is in distress and requires support or assistance. This "*Duress Alarm System*" shall be tested weekly to assure full operability. A formal system shall be in place for making all required notifications in accordance with applicable policies of OPWDD, the DDSO, and the DSF. Consideration should be given to announcing staff's name activating the Duress Alarm System.

**ITO meeting discussion held 5/10/22** (under review for incorporation into Standards above)

**Center for Intensive Treatment**

CIT-1

- High security, high fence (18' min.)
- Med room
- Continuous hall monitoring by staff required.

CIT-2

- Sight lines, increased observation required.
- Observation of living room, dining room and recreational rooms necessary.
- Med room
- Continuous hall monitoring by staff.

**Regional Intensive Treatment**

RIT-2

- Houses high functioning individuals with good behavior designation.
- High fence to limit elopement.
- Use of secure convex mirrors acceptable for visual observation.
- Individuals need consent to go outside within secure perimeter enclosure area.
- Secure Sallyport for controlled entry/egress with remote interlocking function.

CIT and RIT

- may be combined functions and spaces
- Clear, unobstructed sight lines and observation a security and functional priority.

**Local Intensive Treatment**

LIT

- All doors to have secure lock function, and also allow emergency egress.
- High secure perimeter fence enclosure.
- Straight hallways for increased observation of movement paths and doors.
- Medium level of observation.
- Individuals do not need consent to go outside.
- Key/card access preferable.
- Visiting and café area(s)
- Program area

**Exterior space**

- Courtyard – low plantings, planting beds, raised beds acceptable.
- Seating areas, covered area/anti-climb (pavilion).
- Art/Sculpture (consider security and fastening).

DRAFT

**Miscellaneous**

- Anti-ligature design considerations high. Diffuser grid spacing, grab bars, fixtures, towel hooks, door 'knobs' window hardware, closet shelving, pull or pinch points...etc. to be evaluated and resolved in design. Reference NYS OMH standards.
- Varied lighting level controls required throughout. Night lighting levels/locations important for observation.
- Shaker bed system. Provide connect at each bedroom. System to include sound and light (strobe).
- Beds fastened to floor.
- Handrail system throughout hallways and shared movement areas.
- Heating system to be concealed, no vent or mechanical equipment or accessories access allowed.
- Each room electrical outlets on separate GFCI.
- Materials and finishes to be durable and secure. Not small objects or fixtures removal allowed PICA / health safety concern.
- No lamps.
- Carpet only in program rooms, and/or as approved necessary for program function.
- Increase sound proofing to counteract hard surfaces/materials to diminish reverberation and reflectance of sound.
- Traditional 'time-out' room to be reconsidered as 'sensory room', having dual purpose for quiet/calming/safe/contemplative place. Lighting level controls, color, surface materials, sound proofing to be considered.
- Reverse door swing design to address potential instance of barricading.
- Closets within rooms to have card/key fob access.
- Standard switches acceptable in rooms. Use of plastic switch plates not allowed. All face plates and fastened items to use security type I.e. torx center pin fasteners.
- Observation within each living room space by staff preferable if sightlines from 'bubble' skylight area not feasible.
- Individual / staff ratio, 4:1
- Kitchen function. Would need additional cooks to support current design. centralized/Main kitchen and delivery preferable. Possible to prepare 'less involved' meals in current kitchen space. This item to be reviewed w/ FPSU further.
- Duress system req'd.

DRAFT

End of ITO/DSF document

OPWDD / CAPITAL SERVICES 06/28/2023

Mobile observation station low counter. Typ. of (3) res. units

OMIT DOOR IF ALLOWABLE PER FIIRE CODE. THIS DOOR , OR LOCK FUNCTION UNECESSARY

secure base cab w/solid surface counterr

nurse

SENSORY / QUIET RM. TYP.

BASE CABINET W/ COUNTER SPACE

A

B

C

lin. cl.

TIME OUT RM

REMOVE WALL

STAFF BRK RM

REMOVE WALL

REMOVE WALL

REMOVE WALL

REMOVE WALL

(1) TTL conf.

(1) TTL conf.

(3) staff open office

(1) superviser

stor.

(2) staff off.

typ. of (2) kitchens:
(2) ref.
(2) stove
(2) freezer
(1) sanitizer
(1) dishwasher

(1) supervisor

(1) head of staff office
(1) admin. assistant

TEACHING KITCHEN WITH SECURE HARDWARE ON ROOM DOORS

(2) staff off.

(2) staff off.

(3) PSYCH off.

STOR.

ADD DOOR

ADD CL

ADD DOOR

(3) NURSE OPN OFF.

EXAM RM

(1) DR. + (1) ADMIN

INFILL WINDOW

SECURE HARDWARE

(2) ADMIN staff

(1) TTL

REHAB OFF.

CLINICAL OFF.

TEAM LEADER OFF.

(2) CLINICAL

(10) PPL CONF. RM + (2) OPEN OFF.

STAFF BREAK RM W/KITCHENNETTE AND SECURE CUBBIES

MOON STREET

SUN STREET

COUR

*The following terms will be used in the bridging documents to communicate OPWDD needs to the design build team. Where possible, please utilize these terms in your answers below.*

**Required (req)** – These are items that must be included in the Contractor's proposal without substitution. Everything called for in the bridging documents is considered required unless it is specifically called out as "preferred" or "not acceptable".

**Preferred (pre)** – These items are intended to communicate the minimum qualities and characteristics of what the Owner considers acceptable. Substitutions for preferred items are encouraged when they bring benefit to the Owner. Substitutions will be considered based on quality comparison to preferred items, benefits to project schedule, cost benefits, or benefits to the scope and performance of associated building systems. All substitutions for Preferred items, including both materials and design goals, must be submitted and approved by the Owner prior to contract or the Contractor is Required to provide Preferred items.

**Not Acceptable (na)** – Items or scope that are not permissible in the Contractor's proposal.

## ARCHITECTURAL PROGRAMMING QUESTIONS

1. Time Out Room
    a. Please confirm if Time Out Rooms are required in every unit One TO in center res area
2. Quiet Room
    a. Please confirm if Quiet Rooms are required in every unit. *These rooms were noted as contemplative/quiet rooms and needed in each unit during previous discussions.*
3. Wall finish
    a. Confirm (individual spaces can be confirmed below)
        i. Polycarbonate laminated gypsum board: Type X, 5/8 inch fire resistant gypsum board laminated to .030 inch thick polycarbonate. *(req)*
    b. Should the wall finish be floor to ceiling or 4' above FF? *(pre)*
4. Bathrooms
    a. Confirm
        i. All bathrooms to be ADA compliant. *(req)*
        ii. Provide only 1 therapy tub, rm 15B (Wing A East) yes

iii. No required fixture manufacturers (na)

b. Finish Requirements
   i. Epoxy floor - required or preferred? Epoxy in bathroom/toilet rooms *(pre)*. Carpet tile admin/offices *(pre)*. LVT all other areas *(req)*.
   ii. Solid surface shower enclosures - required or preferred? *(pre) (gyp. Bd._*
   iii. Walls - Tile? *(na).* Wall covering? *Residential aesthetic & pick proof (req).*
   iv. Ceilings gyp. Bd

c. Anti-ligature
   i. Accessories
   ii. Doors (na)
   iii. Door hardware – knobs, *lever (req) info submitted to DASNY previously,* hinges *(na)*, locks *(pre)*
   iv. Toilets *(pre)*
   v. Lavs *(pre)*
   vi. Faucets *(pre)*
   vii. Shower curtains *(req)*
   viii. Recessed light fixtures *(pre) secure/durable type*

5. Sleeping Areas
   a. Lockable doors? *(req)*
   b. Finish requirements
      i. Floors LVT / vinyl base
      ii. Walls (paint) moisture resistant/poly backed gyp. bd
      iii. Ceilings (paint) moisture resistant/poly backed gyp. bd
   c. Anti ligature
      i. Doors (na)
      ii. Door hardware - knobs, hinges, locks *see item 4, c above*
      iii. Windows. *(pre).*
      iv. Ceiling fixtures (lights, sprinklers, etc) *(req)*
      v. Closet storage *(req)*
   d. Non operable windows *Non operable in sleeping areas (no hardware).*

6. Central Nurses station requirements

a. Desk surface/countertop - laminate, solid surface *(req)*?
b. Seating (number of stations) *(1)*
c. Casework
    i. Cabinetry preference? (Solid wood*(req)*, MDF, Laminate, etc)
    ii. Lockable drawers?
        - Key *(req)* or card access?

7. Kitchen
    a. Confirm
        i. Commercial appliances *(req)*
        ii. High speed dishwasher *(req)*
        iii. Two stoves *(req)*
        iv. Two fridges *(req)*
        v. One freezer *(req)*
        vi. Pantry storage for a minimum of 5 days *(pre)*
        *vii.* Residential grade cabinetry *(na) commercial*
    b. Are fixtures to be provided by design builder (yes) or purchased by OPWDD?
        i. Manufacturer preference? Required or preferred?

    c. Finish requirements
        i. Floor - quarry tile? *(req)*
        ii. Ceiling - ACT/GWB (req)?
        iii. Walls *FRP for ease of cleaning (pre)*

8. Living room
    a. Finish requirements
        *i.* Floors *LVT (req) (carpet in sensory rm)*
        ii. Walls *Impact resistant (req)*
        iii. Ceilings *gyp. Bd. (req).*
    b. Wall mounted TV? (req) , secure cover (req)
    c. Built in storage casework? *(pre)*
    d. Operable windows to max 5" *inswing awning type with exterior insect/security screen (req)*

9. Dining Room
    a. Finish requirements
        i. Floors *LVT (req)*
        ii. Walls *impact resistant gyp bd. (req)*
        iii. Ceilings *gyp. Bd. (req).*
    b. Remove pass through window to kitchen? *(req)*
    c. Built in storage casework? (req) lockable

10. Med Room
    a. Finish requirements
        i. Floors *LVT (pre)*
        ii. Walls *gyp. Bd. (req).*
        iii. Ceilings *gyp. Bd. (req).*
    b. Casework required?
        i. Counter - material? *Solid surface (req)*
        ii. Cabinetry - material? *Solid wood (req)*
    c. Sink required? (req)
    d. Fridge required? (req) To be purchased by Design builder (yes) or OPWDD?
11. Offices
    a. Confirm number of offices required
        i. On Units – 13
        ii. Hallway - 11
        iii. Program Area – 8

    *OPWDD site visit to be scheduled week of 6/12/23*

    b. Finish requirements
        i. Floors *carpet (pre)*
        ii. Walls *gyp. Bd. (req)*
        iii. Ceilings *gyp. Bd. (req)*

12. Janitor Closet/Utility Room
    a. Sink, shelving, receptacles? Mop/handle hanger *(req)*

b. Finish requirements
    i. Floor *epoxy (req)*
    ii. Walls *FRP (req)*
    iii. Ceilings *gyp. Bd. (req)*

13. Laundry Room
    a. Are fixtures to be provided by Design Builder (yes) or purchased by OPWDD?
        i. Manufacturer preference? Required or preferred speed-queen (pre)
    b. Finish requirements
        i. Floor *Epoxy (pre)*
        ii. Walls *FRP (pre)*
        iii. Ceilings *gyp. Bd. (pre)*
    c. Sink required? *(req)*

14. Doors
    a. Confirm
        i. Existing doors to remain. Strip, sand, refinish to match existing and reinstall. *(pre)*
        ii. Hardware specs - preferred or required?
            - Best Access Systems / Grainger Industrial Supply. SPSL Series LISL/LISE (determined previously)
            - TownSteel Architectural Hardware Manufacturing. Ligature-Resistant Lever Set TRXL Series (Cylindrical) *(pre)*
            - Marks USA. Institutional Life Safety 195SS lockset, Series (Cylindrical)
        iii. Card Access Rooms
            - Med Room *(req)*
            - Kitchen *(req)*
            - Offices? *(req)*
            - Any others?
                a. *Bedrooms, bathrooms (req)*
    b. If new interior doors are required - match existing *(pre)* ? Solid wood, clear finish?
    c. Exterior Door requirements?
        i. Card access *(req) both sides*
        ii. Aluminum storefront system? *(req) provide secure/ impact, insulated glazing*

d. Latch/lock functions (Office, Classroom, Storeroom, Privacy, Passage, etc)
    i. Offices card access
    ii. Sleeping Rooms card access, closet (card access)
    iii. Med Room card access
    iv. Bathrooms (Privacy w/card access override)
    v. Utility rooms card access
    vi. Program rooms card access
e. Keying requirements (all doors)
    i. Offices
    ii. Sleeping Rooms
    iii. Med Room
    iv. Bathrooms
    v. Utility rooms
    vi. Program rooms

15. Windows
    a. Confirm
        i. Operable, in-swing awning windows with 5" max limiter in public/observable areas only *(req)*. Provide *secure* insect screen at exterior *(req)*
        ii. Fixed windows in bedrooms, bathrooms and private areas*(req)*
    b. Material requirements?
        i. Aluminum*(req)*, fiberglass, wood clad, etc
    c. Security screen required at exterior or standard screen ok?
    d. Storefront requirements? *Match existing mullion configuration*
16. Lighting requirements
    a. Confirm
        *i.* Recessed light fixtures throughout *(req)*
    b. Which spaces are required to have dimmable LED lighting. *Bedroom (per individual), living rm. (req). Include all wing 'night light' levels per timer.*
    c. Motion sensors required anywhere above and beyond code required locations?

17. Extra material stock (aka attic stock) requirements
    a. Finishes *(5%)*

b. Fixtures *(20%)*
c. Door Hardware *(20%)*
d. Bulbs *(10%)*

card readers (5%)

Misc.
Keyed pull stations
Lockable/recessed FEC
Smoke heads (per OMH standards)
Supply/return grilles (anti-lig per OMH standards)

# Meeting Minutes 001

DATE: March 24, 2023

RE: **Project #: 373920; FLDDSO-Westfall Campus Wing Rehabilitation**
**Initial/Kickoff Meeting for Programming/Bridging Documents**

Attendees: Matthew Weber, Joseph Miller, Anthony Arnitz, Kevin Chandler, Glenn Burkhartt, Kim Higgins, Maureen Brock, Richard Bell, John Anderson, Gavin Bigge, Jen Borgesi, Paul Boyle, John Eck, Andrew Pennachi, Rob Podbielski, Mark Zobel, Paul Wurster, Dan Kelly

I. All: Around the horn introductions & roles/responsibilities

II. Trudeau: See attached for questions Trudeau generated prior to the meeting, sent to attendees.

III. Trudeau opening remarks
   a. Brief overview of Bridging Documents.
   b. Discussed immediate next steps; more focused programming meetings will follow.
   c. This meeting will help Trudeau prepare room data sheets (buckets: will not accept, will only accept/must have/campus standard, middle bucket-performance based requirements) draft program, sample layouts.
   d. Trudeau Sub Team: 1/each scoping meeting and refinement meeting for each of the subconsultant teams.

IV. Are there existing CAD plans for Trudeau?
   a. Dan K has looked, none to date. Can send scans of existing hard copy plans
   b. ACTION ITEM: Dan K will send to Jen at Trudeau.

V. Trudeau asked if ITO Guidelines referenced in study were available to team?
   a. Document is under internal OPWDD review as a draft document.

VI. Campus standards discussion:
   a. Johnson Controls for F/A
   b. Avigilon for access control.

VII. General Planning Questions:
   a. Sleeping/Living Areas
      i. Are the living rooms the only rooms that require visual observation from the dome?
         1. Line of sight for: eating area, living, rec areas.

b. Bathroom requirements
    i. Roll in showers?
        1. Yes some, does not have to be all
    ii. Are floor drains required?
        1. Yes some, does not have to be all
    iii. Campus standard fixture type? (American Standard, Kohler, etc)
        1. Durable fixtures, no manufacturer preferred
    iv. Preferred finishes?
        1. Cleanable, durable. Epoxy floors. Solid surface walls.
c. Kitchen
    i. What equipment is required?
        1. Intended Use: preparing (3) meals per day. Full prep kitchen, meals will be prepared wholistically (from scratch), not using a central kitchen. Heavy use, commercial kitchen is the preferred design goal.
        2. Full fire separation.
    ii. Fridge?
        1. Yes, (2) preferred w/ freezer.
    iii. Stovetop?
        1. Yes, prefer (2) stoves.
    iv. Oven? Dishwasher?
        1. Yes, commercial grade preferred, high speed/volume.
    v. What type of cabinetry is needed?
        1. Residential grade cabinetry is acceptable, desire a home-like feel.
    vi. Upper vs Lower cabinets, Drawer storage, Pantry storage:
        1. Foods storage is preferred as a 'room'. For both regular operations, but also as emergency storage for a potential crisis. How many days? At least (5) day range. Daily and emergency storage can be combined, needs to be separated, but not necessarily a different space.
    vii. Lockable?
        1. Sharps drawers, key card activated.
        2. Kitchen area card access.
    viii. Med room
        1. Double locked cabinets, sink, counter. Desk area w/ chair. Room is lockable, cabinets are lockable within.
    ix. Where are TVs/Monitors required?
        1. Yes. TV in common area(s). +/-3 areas per pod.
    x. Door hardware – campus standard?
        1. All current locks/keys are Best.
        2. Card access all doors inside units.
        3. Breakaway door handles are preferred.
    xi. Light fixtures – campus standard?
        1. LED. No standard discussed. Recessed.
d. Program space area
    i. What types of activities will this area be used for?
        1. Work for pay, vocational, open. May have a TV. Sink/Counter.
        2. Probably will not serve meals in program space(s).
        3. Classroom setting; closets for supplies, A/V infrastructure for smartboards.

4. (1) of the spaces could be a reduced noise room, carpeted for example, to soften the noises (calming room). Goal: should accommodate 6-8 people at a time.

ii. Administrative areas:
1. Plan for (10 clinicians + 3 supervisory) total admin staff. Some offices will be off unit.
2. On unit - (1) big office that (3) people can share, for supervisory staff.

iii. Visitation rooms needed?
1. Yes, keep the existing.
2. Yes they can double as small conference/meeting rooms.

iv. Break room (staff)?
1. Could be located off the unit.

e. Envelope
i. Roof System
1. Is there an OPWDD or Campus Standard?
2. Single Ply? Built-up?
a. Fluid applied is preferred. Dan will share info offline.
3. What is used throughout the rest of campus?
a. DASNY POST MEETING NOTE: current project at facility (on Leaf Street) is designed to be built up roof system.

ii. Exterior Windows
1. Is there an OPWDD or Campus Standard?
2. Should the windows be operable?
a. If operable: should be with limiters 18-22 degrees (not more than 5”). In swing awning.
b. Inoperable is preferred upon further discussion.
3. If so, which spaces should have operable windows?
a. May not have operable in sleeping rooms.

f. Exterior
i. Courtyard & Landscaping
1. Preferred types of vegetation?
2. Pavers/Concrete vs grass
a. No pavers. Asphalt/concrete is preferred for hardscape. No rocks or stones.

ii. Pavilion
1. How many should it accommodate?
2. Any material or style requirements?
a. Shading device, anti-climb is the design objective.

iii. Seating types
1. Picnic tables work well.
2. Benches are desirable.

VIII. Overall Security Discussion:
a. Card access to building & wing(s).
b. Secure fence shall remain, detection system to be upgraded/replaced.

IX. Discussion re: a day/time that can be held on all calendars for a ‘standing’ meeting (placeholder, will cancel when not needed); assuming weekly? This will aid us when pop-up meetings need to occur…
a. Meeting HOLD will be placed – Tuesday’s at 1:00-2:30p

X. ACTION ITEM: Paul Boyle will send plans reviewed during meeting.

XI. Roundtable

End of minutes

*To the best of my ability, the above represents the summary of discussions and conversations had, direction given, and decisions made. If there are inaccuracies, errors, or corrections to be made…please notify the author (Paul Wurster) within 48 hours of receipt, using any of the below contact methods.*

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585-450-8404 (direct)
518-339-9142 (cell)
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TRUDEAU ASSOCIATES
THE ART AND SCIENCE OF FACILITIES

# MEMO OF MEETING

| | | | |
|---|---|---|---|
| MEETING DATE: | June 6, 2023 | DASNY PROJECT NUMBER: | 373920 |
| | | TA PROJECT NUMBER: | 227.05.33 |
| COPY SENT: | Paul Wurster, DASNY<br>Dan Kelly, OPWDD | PROJECT NAME: | OPWDD Westfall Monroe Moon Street Renovation Bridging Documents |

*If you find that this memo contains incorrect information or significant omissions, please return a marked-up copy or otherwise inform the Architect of any changes required. Thank You*.

Recorded by: GB

Location: Virtual

Purpose of Meeting: Architectural & Programming Meeting

Persons in Attendance:

| NAME | AFFILIATION | EMAIL ADDRESS |
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| Gavin Biggé | Trudeau Associates | Gavin.bigge@truarchs.com |

RECORD:

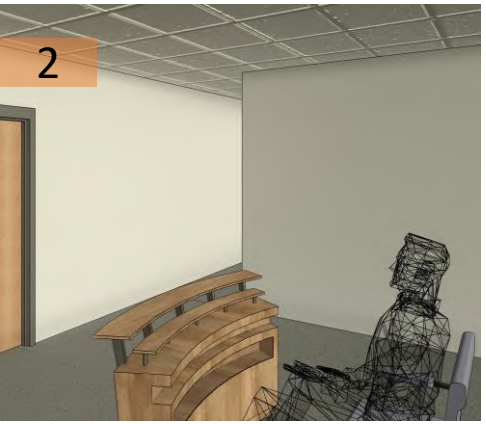
1. Programming Confirmation
    a. OPWDD confirms that written answers to the architectural programming questions (attached) supersede any previously received information, guidelines, or standards.
2. General
    a. TA showed an example bridging document deliverable with narratives broken down by discipline, a room finish schedule, room data sheets and programming plans
    b. TA reports that answers to programming questions and meeting minutes will appear in the bridging document as an appendix

3. Off Unit Spaces
    a. OPWDD confirms that fixture and finish upgrades to the hallway spaces connecting the units should be included in the bridging documents scope of work
        i. Finishes in these areas should maintain a similar language to the rest of the historic building
4. Review of Programming Plans (attached)
    a. Living Room Sight Lines
        i. TA reports that despite reducing the size of existing rooms (bathrooms, physical care rooms, offices) some areas of the living rooms are still not in view from the nurse's station.
        ii. TA reports that providing total visual observation of the living rooms would require a major reconfiguration of the spaces within the unit
            - OPWDD states that this may be an obstacle during design but the layout shown on the programming plans should be retained for now
    b. Med Room
        i. OPWDD confirms med room space as shown is oversized
        ii. Space will be used to store medications and pass medications to clients
            - This can be done with a dutch door or a pass-thru window
        iii. Provide a sink, countertop and locking cabinetry
        iv. Room often has a bathroom with a sink and toilet adjacent – this is not required
    c. Offices
        i. OPWDD reinforces that most offices should be located off the unit
        ii. Convert some of existing med room space to office space
            - 1 large office is preferable to small single office spaces
        iii. TA reports that revisions to existing walls to increase sight lines to living rooms has made the offices adjacent to the bathrooms too small to be usable office space
            - OPWDD agrees these rooms can be turned into a utility closet and the office space will be relocated to the existing physical care space.
                - Physical care space will be required to house a therapy tub - all other physical care rooms can be changed to office space
    d. Kitchen/Dining
        i. TA inquired on whether pantry space for 5 days (as previously reported) was required in the kitchen on the unit
            - OPWDD indicated that storage for these rations could be accommodated elsewhere in the building and the existing storage space will be sufficient for the day to day pantry needs
        ii. Partially enclosed space adjacent to kitchen/dining area not required. Wall should be removed to open this space up to the rest of the common area
            - TA suggests utilizing part of this area for additional office space. TA will show this option on the revised programming plans
    e. Quiet Room
        i. TA inquired about the minimum size and finish requirements for the Quiet Rooms
            - OPWDD reports that there are no specific finish requirements, just a comfortable space for clients.
            - Rooms should be approximately 100-120 sf
            - OPWDD suggests having the doors swing out to provide more space in the room

   f. Nurse's station
      i. OPWDD indicates this area should be considered a central hub space for the units and will be used as an observation station for staff during overnight hours
      ii. The number one priority for this area is having adequate observation site lines to the living room spaces
      iii. The nurse station as shown on the programming plans, mirroring the round shape of the dome skylight above, is ideal.
      iv. Actual sizing of the desk/casework/storage space will need to be determined
      v.

5. Next steps
   a. TA will provide updated programming layout based on comments received in meeting for review and comment
   b. Mechanical, Electrical, Plumbing team will be on site for existing condition survey on 6/7
   c. Civil/Site and Structural team will be on site for existing condition survey on 6/12/2023
   d. Draft program document to be submitted to DASNY/OPWDD for review in mid-July
      i. To the extent possible materials will be submitted when available to provide more time for review and revision
6. Attachments
   a. Program layout reviewed in meeting
   b. Architectural Programming Questions and Answers

# Existing Sight Lines



# Program Unit


Plan Legend

- Sight Line
- Non-Compliant Bathroom

Department Legend

- AMENITY
- BATHROOM
- CARE
- CIRCULATION
- COMMON
- OFFICE
- RESIDENTIAL
- SERVICE

GRAPHIC SCALE

0 8 16 24 32

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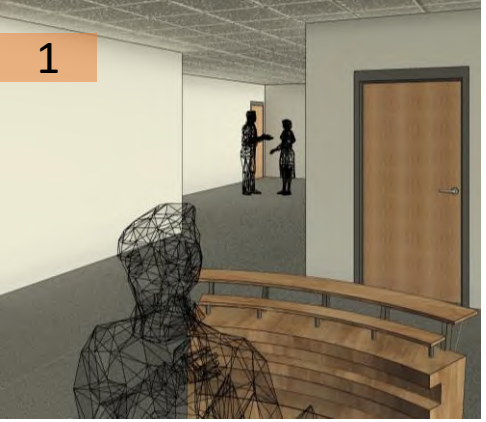
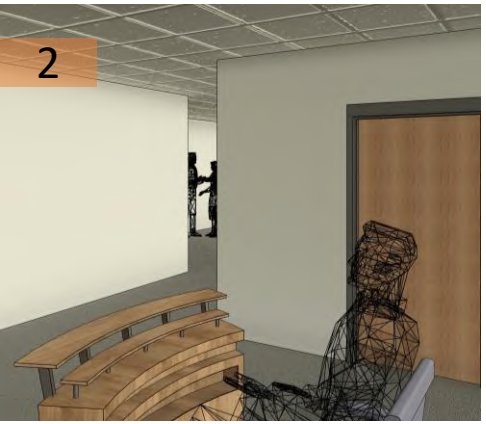
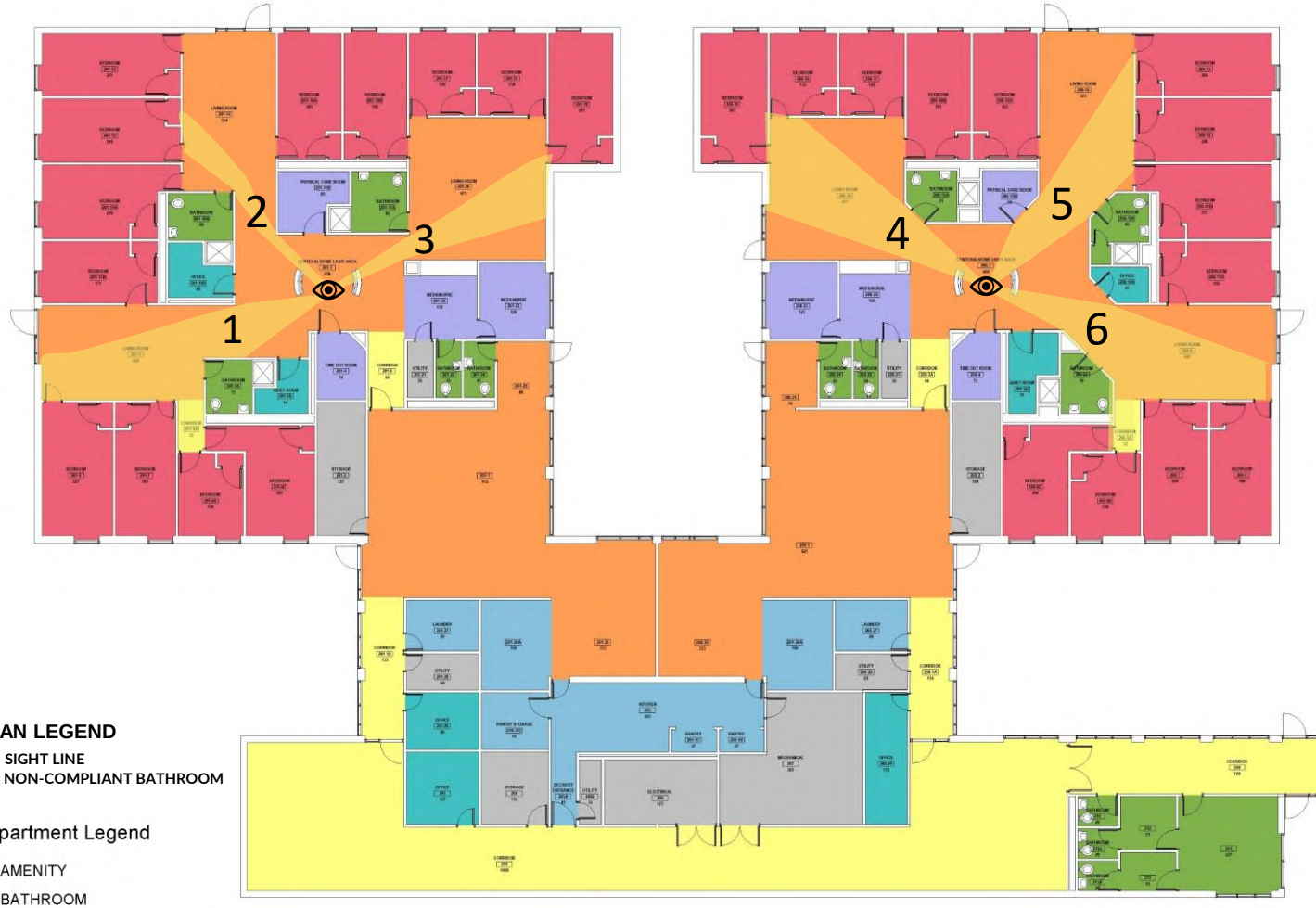




# A – REDUCE BATHROOM/OFFICE SIZES

# B – REDUCE SIZE & ANGLE WALLS




**PLAN LEGEND**

- SIGHT LINE
- NON-COMPLIANT BATHROOM

Department Legend

- AMENITY
- BATHROOM
- CARE
- CIRCULATION
- COMMON
- OFFICE
- RESIDENTIAL
- SERVICE

GRAPHIC SCALE

0 8 16 24 32

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Department Legend

- AMENITY
- BATHROOM
- CARE
- CIRCULATION
- COMMON
- OFFICE
- RESIDENTIAL
- SERVICE

GRAPHIC SCALE

0 8 16 24 32

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# MEMO OF MEETING

| | | | |
|---|---|---|---|
| MEETING DATE: | June 20, 2023 | DASNY PROJECT NUMBER: | 373920 |
| | | TA PROJECT NUMBER: | 227.05.33 |
| COPY SENT: | All Attendees | PROJECT NAME: | OPWDD Westfall Monroe Moon Street Renovation Bridging Documents |

*If you find that this memo contains incorrect information or significant omissions, please return a marked-up copy or otherwise inform the Architect of any changes required. Thank You*.

Recorded by: GB

Location: Virtual

Purpose of Meeting: Site and Structural Meeting

Persons in Attendance:

| NAME | AFFILIATION | EMAIL ADDRESS |
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| Gavin Biggé | Trudeau Associates | Gavin.bigge@truarchs.com |

RECORD:

1. **Site Fence**
    a. OPWDD confirms that the existing security fence will be removed and no fencing will be installed as part of this project
2. **Basketball Court**
    a. Refurbishing the basketball court was brought up as a potential add to the scope during the site walkthrough
        i. OPWDD indicates that basketball courts on other wings are used often and it's a popular exercise activity for clients
        ii. OPWDD reports the existing court isn't in terrible condition and can be left as is for now. Refurbishment is **not part of the scope** for this project.
3. **Courtyard Shelters**
    a. Existing shelters to be removed from courtyards

   b. Per the feasibility study provided by OPWDD the intent is put sun shades in the courtyard areas and appropriate furnishings
   c. The middle "T" courtyard area is larger than the other two – should anything beyond a typical sun shade shelter structure be provided in this area?
      i. Two units have access to the middle "T" courtyard area so two sunshades should be provided in this area
   d. OPWDD's preference is to have all the courtyard sun shades to be in line with each other
4. **Site furnishings**
   a. Any preferences for picnic table seating, bench materials, other shading devices or manufacturers?
      i. Need to be items that can't be taken apart or used as a weapon
      ii. Need to include concrete areas for fastening furniture down
   b. OPWDD confirms that site furnishings and concrete areas for fastening are **not part of the scope** of this project and will be provided by OPWDD after renovation is complete
5. **Site Survey Requirements**
   a. Should the bridging documents indicate that the contractor needs to do a topographic site survey?
      i. Popli recommends including this in the scope – if the site fencing is going to be removed there needs to be a better understanding of where the utilities are so that the contractor doesn't impact them.
      ii. OPWDD/DASNY agree that this should be included in the scope
6. **Paving Options**
   a. The scope includes paving areas in the courtyard for activities and walkways. Are there any material preferences or exclusions that should be included in the bridging documents?
      i. No pavers – hard to maintain and can be picked up and used as a weapon
      ii. No soft recycled materials – these can be picked apart and ingested
      iii. Stick with solid materials – asphalt and concrete
7. **Utility connections**
   a. OPWDD confirms there are no utility connections required as part of this project
8. **Landscaping Requirements**
   a. Non-invasive, low lying plants away from the building and easy to maintain
9. **Structural**
   a. No modifications to the existing structure as it pertains to structural steel columns – only interior partition walls being relocated
   b. No new penetrations (windows, doors, infills) with the exception of those that will be required to accommodate the MEP systems
10. **Roof access**
   a. Current roof access is from another wing of the building – is there any desire to add a direct roof access hatch from this wing?
      i. Existing roof access is acceptable as is
11. **Site drainage**
   a. Existing site is draining well and no modifications will be required
12. **Damage from animals**
   a. Popli noticed damage from animals, likely groundhogs, on the site.
   b. Will include provisions in the bridging documents to fill in the divots and repair areas up against the building
13. **Next steps**
   a. TA will send existing roof plans to Popli to aid in MEP system coordination
   b. OPWDD will send Popli more references for the intended sun shade structures

TRUDEAU ASSOCIATES
THE ART AND SCIENCE OF FACILITIES

# MEMO OF MEETING

| | | | |
|---|---|---|---|
| MEETING DATE: | July 06, 2023 | DASNY PROJECT NUMBER: | 373920 |
| | | TA PROJECT NUMBER: | 227.05.33 |
| COPY SENT: | All Attendees | PROJECT NAME: | OPWDD Westfall Monroe Moon Street Renovation Bridging Documents |

*If you find that this memo contains incorrect information or significant omissions, please return a marked-up copy or otherwise inform the Architect of any changes required. Thank You*.

Recorded by: GB

Location: Virtual

Purpose of Meeting: Mechanical, Electrical and Plumbing Meeting

Persons in Attendance:

| NAME | AFFILIATION | EMAIL ADDRESS |
|---|---|---|
| Paul Boyle | OPWDD | paul.m.boyle@opwdd.ny.gov |
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RECORD:

1. **Electrical System Overview:**
    a. The existing electrical system is a 4160 Volt, consisting of a 3-section substation disconnect transformer and a switch gear section.
    b. There is a tie loop that serves both areas.
2. **Recommendation for Electrical System Renovation:**
    a. The tie loop should be maintained as it currently exists.
    b. It is recommended to replace all the substations and downstream equipment in the wings with new equipment and updated fees.
    c. The current electrical distribution equipment is Federal Pacific, which is both at the end of its useful life and subject to fraudulent UL listing testing standards.
3. **Substation Replacement:**
    a. The question was raised whether the substations should be replaced in their current locations or if a switch over is feasible.

   b. Since the wings are not currently in use, it was agreed that the best option is to remove the equipment and replace it in the same locations.
   c. Power outage will be necessary in the section during the replacement process.
4. **Minimizing Disruption:**
   a. Concerns were raised about the impact on other work and personnel in the area during the power outage.
   b. It was suggested that additional power tools, leads, and generators be provided to ensure uninterrupted work.
   c. The option of replacing one wing at a time was considered, but it was determined that bringing in generators for power equipment during the switch over would be more practical.
5. **Mechanical System Expansion:**
   a. The need to expand the mechanical room was highlighted to accommodate the required air handlers and other equipment.
   b. The recommendation was to have the air handlers and associated equipment inside the building rather than on the roof.
   c. The feasibility document had previously addressed the need for replacing the ductwork and relocating it to the plenum space.
6. **Mechanical Room and Equipment Sizing:**
   a. It was acknowledged that the current mechanical room would need to be expanded to accommodate the larger air handlers. Per OPWDD preference should be given to removing office space rather than the common/dining areas adjacent to the existing mechanical rooms to accommodate the new equipment.
   b. The exact CFM (Cubic Feet per Minute) requirements for the air handlers were discussed and will be determined by the design team.
   c. The preference was expressed to have the air handlers inside the building to ensure longevity and easier maintenance.
7. **Plumbing System:**
   a. It was suggested to include a booster to ensure adequate hot water supply for sanitization purposes.
   b. Plumbing requirements will be determined by the program and standard plumbing practices.
   c. No significant issues or concerns were raised on the plumbing side of the project.
8. **Ceiling Height and Coordination:**
   a. The ceiling height in the wings was discussed, with a preference to maintain the existing ceiling height.
   b. The need for coordination and potential use of Building Information Modeling (BIM) technology for tight ceiling spaces was mentioned.
9. **Manufacturer Preferences and Technology:**
   a. There were no specific manufacturer preferences mentioned during the meeting.
   b. The focus was on selecting equipment that meets the job requirements and complies with energy efficiency standards.
10. **Next steps**
   a. TA to issue Draft Bridging documents for review by July 15

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# MEMO OF MEETING

| | | | |
|---|---|---|---|
| MEETING DATE: | July 26, 2023 | DASNY PROJECT NUMBER: | 373920 |
| | | TA PROJECT NUMBER: | 227.05.33 |
| COPY SENT: | All Attendees | PROJECT NAME: | OPWDD Westfall Monroe Moon Street Renovation Bridging Documents |

*If you find that this memo contains incorrect information or significant omissions, please return a marked-up copy or otherwise inform the Architect of any changes required. Thank You*.

Recorded by: GB

Location: Virtual

Purpose of Meeting: Access Control Meeting

Persons in Attendance:

| NAME | AFFILIATION | EMAIL ADDRESS |
|---|---|---|
| Dan Kelly | OPWDD | dan.f.kelly@opwdd.ny.gov |
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RECORD:

1. **Fail-Safe vs. Fail-Secure**
    a. There is a discussion about whether doors should be fail-safe or fail-secure. CHA indicates that I-2 occupancies are typically fail secure
    b. OPWDD directs the team to indicate fail-secure systems in the bridging documents for the purposes of ongoing planning.
2. **Evacuation Procedure**
    a. The question is raised about the fire alarm activation and the evacuation procedure - where should people gather during an emergency?
    b. CHA suggests the possibility of a horizontal evacuation where people come to the main door and then move into the main hallway before exiting.
    c. OPWDD emphasizes the need to have a conversation with fire safety experts to determine the best evacuation approach considering factors like available exits and heat barriers. Kevin Chandler will need to discuss the evacuation capabilities and plan with the fire safety team to make appropriate decisions.
3. **Hardware**
    a. CHA asks whether computers for the security systems will be provided by the facility or the contractor.
        i. OPWDD indicates the contractor will be responsible for providing the necessary computers as part of the security system.

b. The contractor will provide an equipment rack with shelves to house the computers, ensuring they are kept cool, clean, and away from the safety post. Extenders will be used to connect keyboards and monitors over to the safety post for operators' convenience.
c. The security systems, including personal alarm, card access, and video, will be on a separate air-gapped network, meaning it will be isolated from the main network for added security.
d. The server for the card access and cameras, along with other hardware, will be located in the safety post, which has an air-conditioned room suitable for the equipment.
e. There is a discussion about whether the security systems should use UPS. The decision is to install rack-mounted UPS for all three systems (personal alarm, card access, and video) to ensure uninterrupted power supply and protect against power surges.

4. **Data Room Locations**
    a. There is a discussion on whether to locate the equipment in the MDF closer to security or the IDF closer to the Moon Street wings.
    b. The group discusses that locating the equipment in the MDF may, or may not, require additional fiber installations. If additional fiber is required, this would likely trigger the need for hazardous material abatement for the entirety of the fiber run thus adding cost and scope to the project.
    c. ITS inquires whether the IDF is air conditioned as these rooms need to be kept at a steady 68 degrees to operate.
        i. DASNY indicates that adding air conditioning to the IDF will be far less expensive than run new fiber through the existing infrastructure from the MDF
        ii. CHA presents the option to use rack-mounted cabinets with built-in climate control units to keep the equipment cool and independent of HVAC systems.
            - OPWDD doesn't want to be responsible for the maintenance of changing filters for these systems.
    d. OPWDD directs the team to identify the IDF as the location for the equipment and ensure that adequate air conditioning will be provided to the space.
5. **Fiber infrastructure**
    a. The team plans to investigate the existing fiber infrastructure and evaluate whether additional fiber runs are necessary for the security systems.
    b. The team plans to schedule an on-site visit with Greg and Rob to assess the space, verify existing fiber, and determine the best location for the hardware.
6. **Cameras**
    a. CHA asks whether interior cameras will be necessary to supplement the exterior cameras provided.
        i. The decision was made not to use interior cameras in this non-secure setting, as it was deemed unnecessary for the current requirements.
    b. OPWDD will allow panoramic cameras in lieu of pan tilt zoom cameras
        i. The team decided that they would be placed at exit doors to cover both the outside and adjacent areas. The cameras would provide high-resolution images for effective motion detection.
    c. CHA asks whether interior cameras are needed in the med rooms and OPWDD indicated they are not required in those areas.
7. **Personnel Duress Alarm Systems**
    a. CHA discussed the different personal duress systems available, including Guard One, Bosch, El Pass, and Centrac. OPWDD indicated after the installation of the Bosch system at another site they were informed the company would no longer be supporting the

system after 2024/2025 so an alternate system will be required here. The final selection of the system will be made during the design phase.

b. CHA inquired about the need for man down alarms and OPWDD indicated they were not seen as necessary for this setting.
c. The team decided not to include fixed point locators, as it was not deemed necessary for their requirements. The system would be expandable in the future if needed.
d. Based on the number of units OPWDD will require CHA will indicate that 300 units should be provided in the Bridging Documents to account for overages and breakage.

8. **Renovation of Safety Office**
    a. ITS inquired whether the safety office will be renovated, including new countertops and architectural layouts.
        i. TA indicates that this area was outside of the scope of the project for a fixture and finish renovation but will add notes to the architectural section of the bridging documents to ensure that the security monitors and computers are installed in these areas by the contractor.
9. **Phone System**
    a. The existing phone system is outdated and difficult to maintain. The facility has been trying to get a new VoIP solution implemented, but the agency's approval for funding has been a challenge.
        i. OPWDD plans to request funding to implement this system with this renovation
    b. An overhead paging system will be installed in the building for making announcements.
10. **Card Access**
    a. Card access will be implemented on offices and doors, but some areas like mechanical rooms, electrical rooms, and interior closets for bedrooms will not require card access.
    b. The residents' bedrooms will have card access, with each resident receiving a card to access their respective rooms. They will use HID proximity cards, printing the residents' information and pictures on them for easy identification.
    c. All card access doors will have electric strikes except for the bathroom doors which will have electrified door hardware.
11. **Addendums**
    a. CHA discussed the possibility of issuing addendums to the bridging documents, if necessary, to address coordination issues.
    b. DASNY indicates that addendums are a possibility but, ideally, it is preferred that they are limited.
12. **Next steps**
    a. ITS and OPWDD will schedule a site visit with CHA to determine if the existing fiber infrastructure will be sufficient and determine the best locations for the equipment.