

November 5, 2014

Mr. Mike Sanders
State of Connecticut
Department of Administrative Services
Division of Construction Services
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Hartford, CT 06106

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Re: Asbestos Inspection
Main Hospital Building
Seaside Regional Center
Waterford, Connecticut
Project MH-14-20
Building 64704
Cardno ATC Project 61.22573.0020 Task 20068

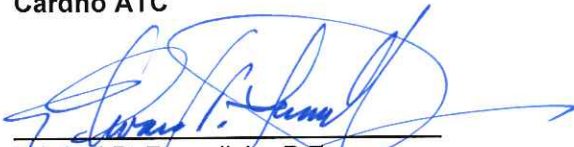
Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the Main Hospital Building at Seaside Regional Center located in Waterford, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

Cardno ATC



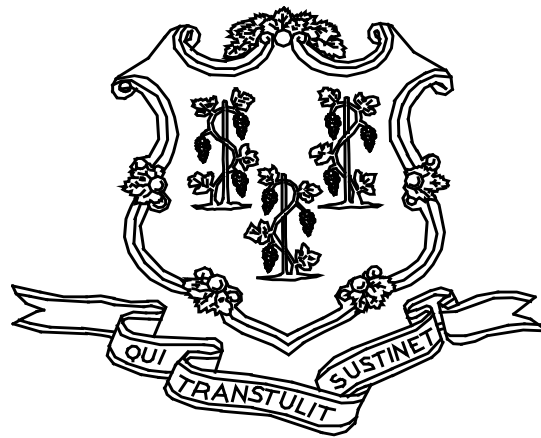
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Encl:

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ASBESTOS INSPECTION REPORT

**MAIN HOSPITAL BUILDING
SEASIDE REGIONAL CENTER
WATERFORD, CONNECTICUT
BUILDING 64704
PROJECT MH-14-20**



**STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF CONSTRUCTION SERVICES**

Prepared by:

**CARDNO ATC
290 ROBERTS STREET - SUITE 301
EAST HARTFORD, CT 06108**

CARDNO ATC PROJECT 61.22573.0020 TASK 20068

OCTOBER 24, 2014

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1.0 INTRODUCTION

Cardno ATC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct a limited inspection to identify asbestos-containing materials (ACM) at the Main Hospital Building, Seaside Regional Center, Waterford, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Mr. Stanley Szelag and Mr. Willie L Thompson III on October 14, 2014 through October 21, 2014. Mr. Szelag and Mr. Thompson are State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspectors (CTDPH license numbers 000493 and 000673 respectively). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: plaster skim and base coats, floor tile and associated mastics, cove base and associated adhesives, wall panel adhesives, penetration sealants, pipe insulation, gypsum board, joint compound, ceramic wall tile grout and setting compounds, door and window caulking and glazing, gypsum block, roofing materials and miscellaneous caulking and adhesives.

2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
 - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft² or less, except as provided in 40 CFR Part 763.87(c)(2).
 - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft² but less than or equal to 5,000 ft², except as provided in 40 CFR Part 763.87(c)(2).
 - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft², except as provided in 40 CFR Part 763.87(c)(2).

(b) *Thermal system insulation.*

- (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
- (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.
- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
- (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.

(c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

3.0 ASBESTOS-CONTAINING MATERIALS

The results of PLM laboratory analysis indicated that the following materials are asbestos-containing material (ACM). ACM are those materials that contain greater than 1% asbestos, and are as follows:

- Plaster Wall - Skim Coat
- Plaster Wall - Base Coat
- Plaster Ceiling - Skim Coat
- Plaster Ceiling - Base Coat
- 2'x4' Ceiling Tile (Basement)
- 2'x2' Ceiling Tile (Basement)
- Ceiling Insulation
- 9"x9" Red Floor Tile and Associated Mastic

- 9"x9" Gray Floor Tile and Associated Mastic
- 9"x9" Black Floor Tile and Associated Mastic
- 12"X12" Dark Tan/Gray Pattern Floor Tile
- 12"X12" Green Mottled Floor Tile and Associated Mastic
- 12"X12" Green/Yellow Mottled Floor Tile and Associated Mastic
- 12"X12" Tan Floor Tile
- 12"X12" Gray Floor Tile
- Tan Sheet Flooring Square Pattern and Associated Mastic
- Tan Sheet Flooring Large Square Pattern and Associated Mastic
- Tan Sheet Flooring Round Pattern and Associated Mastic
- Gray Sheet Flooring and Associated Mastic
- Green Sheet Flooring and Associated Mastic
- Yellow Sheet Flooring and Associated Mastic
- Ceramic Wall Tile Waterproofing
- Ceramic Wall Tile Setting Compound
- Wood Wall Panel Adhesive
- Black Sink Undercoating
- Corrugated Radiator Panel Insulation
- Corrugated Pipe Insulation
- Pipe Insulation
- Pipe Fitting Insulation
- Tank Insulation
- Breeching Insulation
- Boiler Insulation
- Interior Window Glazing (Aluminum Window Systems)
- Interior Window Caulking (Aluminum Window Systems)
- Miscellaneous Caulking
- Fire Door Lite Glazing
- Roof Flashing and Flashing Tar

The results of PLM laboratory analysis indicated that the following analyzed material was less than 1% asbestos:

- Ceramic Floor Tile Setting Compound

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- 12" x 12" Beige Mottled Floor Tile and Associated Mastic
- 12" x 12" White with Blue Floor Tile and Associated Mastic
- 12" x 12" Tan Floor Tile and Associated Mastic
- 12" x 12" Gray Floor Tile and Associated Mastic
- 12" x 12" Light Blue Floor Tile and Associated Mastic
- Yellow Sheet Flooring
- Green Cementitious Flooring
- Ceramic Floor Tile Setting Compound and Grout
- Ceramic Wall Tile Setting Compound and Grout

- Gypsum Board
- Joint Compound
- 1'x1' Ceiling Tile
- 2'x2' Ceiling Tile (Textured)
- 2'x4' Ceiling Tile (Newer)
- Brown Glue Daubs Associated with 1'x1' Ceiling Tile
- Dark Brown Glue Daubs associated with 1'x1' Ceiling Tile
- Tan Glue Daubs Associated with 1'x1' Ceiling Tile
- Glue Daubs Behind Cooler Insulation
- Mortar Associated with Concrete Block
- Black Waterproofing on Interior Brick
- Gray Penetration Sealant (Cementitious)
- Gray Penetration Sealant (Caulk)
- Storm Window Glazing
- Boiler Gaskets
- Wood Wall Panel Adhesive
- Black Coating on Baseboards
- Interior Window Glazing (Wood Window Systems)
- Interior Window Caulking (Wood Window Systems)
- Exterior Door Caulking
- White Sink Undercoating
- Cove Base Adhesive
- Wire Insulation
- Panel Box Insulation
- Building Caulking – Kitchen Roof
- Building Caulking - Front Canopy

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

4.0 DISCUSSION AND RECOMMENDATIONS

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

5.0 LIMITATIONS

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS

**TABLE 6-1
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
SEASIDE REGIONAL CENTER
MAIN HOSPITAL BUILDING**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
102114-01A	West Stairwell 3rd Floor	Wall Plaster Skim Coat	ND	
102114-01B	Room 311	Wall Plaster Skim Coat	2	Chrysotile
102114-01C	2nd Floor Ward #4	Wall Plaster Skim Coat	ND	
102114-01D	Bathroom 316	Wall Plaster Skim Coat	ND	
102114-01E	North Entrance	Wall Plaster Skim Coat	ND	
102114-01F	Dining Room	Wall Plaster Skim Coat	ND	
102114-01G	Kitchen/ Main	Wall Plaster Skim Coat	ND	
102114-01H	Male Help Dining	Wall Plaster Skim Coat	ND	
102114-01I	1st Floor Ward #1	Wall Plaster Skim Coat	3	Chrysotile
102114-02A	West Stairwell 3rd Floor	Wall Plaster Base Coat	2	Chrysotile
102114-02B	Room 311	Wall Plaster Base Coat	<1	Chrysotile
102114-02C	2nd Floor Ward #4	Wall Plaster Base Coat	ND	
102114-02D	Bathroom 316	Wall Plaster Base Coat	ND	
102114-02E	North Entrance	Wall Plaster Base Coat	4	Chrysotile
102114-02F	Dining Room	Wall Plaster Base Coat	2	Chrysotile
102114-02G	Kitchen/ Main	Wall Plaster Base Coat	ND	
102114-02H	Male Help Dining	Wall Plaster Base Coat	ND	
102114-02I	1st Floor Ward #1	Wall Plaster Base Coat	2	Chrysotile
102114-03A	Room 303	Ceiling Plaster Skim Coat	<1	Chrysotile
102114-03B	Room 312	Ceiling Plaster Skim Coat	2	Chrysotile

**TABLE 6-1
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
SEASIDE REGIONAL CENTER
MAIN HOSPITAL BUILDING**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
102114-03C	3rd Floor Residential Services	Ceiling Plaster Skim Coat	<1	Chrysotile
102114-03D	2nd Floor East Bathroom	Ceiling Plaster Skim Coat	<1	Chrysotile
102114-03E	2nd Floor East End Room	Ceiling Plaster Skim Coat	<1	Chrysotile
102114-03F	1st Floor Main Corridor	Ceiling Plaster Skim Coat	<1	Chrysotile
102114-03G	1st Floor Ward #3	Ceiling Plaster Skim Coat	<1	Chrysotile
102114-03H	Ground Floor Large East End Room	Ceiling Plaster Skim Coat	2	Chrysotile
102114-03I	Kitchen/ Main	Ceiling Plaster Skim Coat	<1	Chrysotile
102114-04A	Room 303	Ceiling Plaster Base Coat	2	Chrysotile
102114-04B	Room 312	Ceiling Plaster Base Coat	2	Chrysotile
102114-04C	3rd Floor Residential Services	Ceiling Plaster Base Coat	2	Chrysotile
102114-04D	2nd Floor East Bathroom	Ceiling Plaster Base Coat	3	Chrysotile
102114-04E	2nd Floor East End Room	Ceiling Plaster Base Coat	2	Chrysotile
102114-04F	1st Floor Main Corridor	Ceiling Plaster Base Coat	2	Chrysotile
102114-04G	1st Floor Ward #3	Ceiling Plaster Base Coat	<1	Chrysotile
102114-04H	Ground Floor Large East End Room	Ceiling Plaster Base Coat	3	Chrysotile
102114-04I	Kitchen/ Main	Ceiling Plaster Base Coat	3	Chrysotile
102114-05A	Ground Floor West Corridor/ Girls Recreation Room	Wall Plaster #2/ Skim Coat	ND	

**TABLE 6-1
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
SEASIDE REGIONAL CENTER
MAIN HOSPITAL BUILDING**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
102114-05B	Ground Floor West Corridor/ Girls Recreation Room	Wall Plaster #2/ Skim Coat	ND	
102114-05C	Ground Floor West Corridor/ Girls Recreation Room	Wall Plaster #2/ Skim Coat	ND	
102114-06A	Ground Floor West Corridor/ Girls Recreation Room	Wall Plaster #2/ Base Coat	ND	
102114-06B	Ground Floor West Corridor/ Girls Recreation Room	Wall Plaster #2/ Base Coat	ND	
102114-06C	Ground Floor West Corridor/ Girls Recreation Room	Wall Plaster #2/ Base Coat	ND	
102114-07A	Ground Floor/ Radiographic Room	Gypsum Board	ND	
102114-07B	2nd Floor West Stairwell	Gypsum Board	ND	
102114-07C	Kitchen	Gypsum Board	ND	
102114-08A	Ground Floor/ Radiographic Room	Joint Compound	ND	
102114-08B	2nd Floor West Stairwell	Joint Compound	ND	
102114-08C	Kitchen	Joint Compound	ND	
102114-09A	1st Floor/ Ward 2/ South Section	1'x1' Fissured Ceiling Tile	ND	
102114-09B	1st Floor/ Ward 2/ South Section	1'x1' Fissured Ceiling Tile	ND	
102114-10A	1st Floor/ Ward 2/ North Section	2x4 Ceiling Tile	ND	

**TABLE 6-1
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
SEASIDE REGIONAL CENTER
MAIN HOSPITAL BUILDING**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
102114-10B	1st Floor/ Ward 2/ North Section	2x4 Ceiling Tile	ND	
102114-11A	Basement	2x4 Ceiling Tile	10	Amosite
102114-11B	Basement	2x4 Ceiling Tile	14	Amosite
102114-12A	Room 303	1'x1' Ceiling Tile	ND	
102114-12B	Room 301	1'x1' Ceiling Tile	ND	
102114-13A	Nurses Dining Room	1'x1' Ceiling Tile	ND	
102114-13B	Room 328	1'x1' Ceiling Tile	ND	
102114-14A	2nd Floor West Offices South	1'x1' Ceiling Tile/ On Spline	ND	
102114-14B	1st Floor Ward #2	1'x1' Ceiling Tile/ On Spline	ND	
102114-15A	Basement	2'x2' Ceiling Tile/ Holes	8	Amosite
102114-15B	Basement	2'x2' Ceiling Tile/ Holes	18	Amosite
102114-16A	2nd Floor Shower Room	2'x2' Textured Ceiling Tile	ND	
102114-16B	2nd Floor Shower Room	2'x2' Textured Ceiling Tile	ND	
102114-17A	Ground Floor	Ceiling Insulation	8	Chrysotile
102114-17B	Girls Recreation	Ceiling Insulation	7	Chrysotile
102114-17C	Room/ On Concrete Deck	Ceiling Insulation	10	Chrysotile
102114-18A	Room 301	Brown Glue Daubs	ND	
102114-18B	Room 303	Brown Glue Daubs	ND	
102114-19A	Nurses Dining Room	Dark Brown Glue Daubs	ND	
102114-19B	Nurses Dining Room	Dark Brown Glue Daubs	ND	

**TABLE 6-1
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
SEASIDE REGIONAL CENTER
MAIN HOSPITAL BUILDING**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
102114-20A	Cold Storage Behind Cooler Insulation	Tan Glue Daubs	ND	
102114-20B	Cold Storage Behind Cooler Insulation	Tan Glue Daubs	ND	
102114-21A	Male Help Dining Room	Pink Gypsum Wall Board	ND	
102114-22A	1st Floor Ward #2	Black 9"X9" Floor Tile	2	Chrysotile
102114-22B	2nd Floor Main Corridor	Black 9"X9" Floor Tile	2	Chrysotile
102114-23A	1st Floor Ward #2	Black Mastic To Black 9"X9" Floor Tile	5	Chrysotile
102114-23B	2nd Floor Main Corridor	Black Mastic To Black 9"X9" Floor Tile	4	Chrysotile
102114-24A	3rd Floor Corridor	Gray 9"X9" Floor Tile	2	Chrysotile
102114-24B	Room 303	Gray 9"X9" Floor Tile	2	Chrysotile
102114-24C	Ground Floor/ Male Help Dining Room	Gray 9"X9" Floor Tile	2	Chrysotile
102114-25A	3rd Floor Corridor	Black Mastic To Gray 9"X9" Floor Tile	ND	
102114-25B	Room 303	Tan/Black Mastic To Gray 9"X9" Floor Tile	6	Chrysotile
102114-25C	Ground Floor/ Male Help Dining Room	Black Mastic To Gray 9"X9" Floor Tile	ND	
102114-26A	2nd Floor/ South East Office Space	Green 9"X9" Floor Tile	ND	
102114-26B	2nd Floor/ South East Office Space	Green 9"X9" Floor Tile	ND	

**TABLE 6-1
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
SEASIDE REGIONAL CENTER
MAIN HOSPITAL BUILDING**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
102114-27A	2nd Floor/ South East Office Space	Brown Mastic To Green 9"X9" Floor Tile	ND	
102114-27B	2nd Floor/ South East Office Space	Brown Mastic To Green 9"X9" Floor Tile	ND	
102114-28A	Room 301	Red 9"X9" Floor Tile	8	Chrysotile
102114-28B	1st Floor Main Corridor	Red 9"X9" Floor Tile	12	Chrysotile
102114-28C	Boys Recreation Room	Red 9"X9" Floor Tile	6	Chrysotile
102114-29A	Room 301	Black Mastic To Red 9"X9" Floor Tile	ND	
102114-29B	1st Floor Main Corridor	Black Mastic To Red 9"X9" Floor Tile	<1	Chrysotile
102114-29C	Boys Recreation Room	Black Mastic To Red 9"X9" Floor Tile	ND	
102114-30A	1st Floor/ Linen Closet	Dark Tan/ Gray Pattern 12"X12" Floor Tile	3	Chrysotile
102114-30B	1st Floor/ Linen Closet	Dark Tan/ Gray Pattern 12"X12" Floor Tile	2	Chrysotile
102114-31A	1st Floor/ Linen Closet	Black Mastic To Dark Tan/ Gray Pattern 12"X12" Floor Tile	ND	
102114-31B	1st Floor/ Linen Closet	Black Mastic To Dark Tan/ Gray Pattern 12"X12" Floor Tile	ND	
102114-32A	1st Floor Doctors Assembly Room	Green Mottled 12"X12" Floor Tile	ND	
102114-32B	2nd Floor Diet Kitchen	Green Mottled 12"X12" Floor Tile	ND	
102114-33A	1st Floor Doctors Assembly Room	Brown/Black Mastic To Green Mottled Floor Tile	2	Chrysotile

**TABLE 6-1
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
SEASIDE REGIONAL CENTER
MAIN HOSPITAL BUILDING**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
102114-33B	2nd Floor Diet Kitchen	Brown Mastic To Green Mottled Floor Tile	ND	
102114-34A	1st Floor Ward #3	Green/Yellow 12"x12" Floor Tile	ND	
102114-34B	1st Floor Ward #3	Green/Yellow 12"x12" Floor Tile	ND	
102114-35A	1st Floor Ward #3	Black Mastic To Green/Yellow Floor Tile	6	Chrysotile
102114-35B	1st Floor Ward #3	Black Mastic To Green/Yellow Floor Tile	2	Chrysotile
102114-36A	1st Floor Dressing Room	Gray Chipped 12"x12" Floor Tile	ND	
102114-36B	Observation Room	Gray Chipped 12"x12" Floor Tile	ND	
102114-37A	1st Floor Dressing Room	Black Mastic To Gray Chipped Floor Tile	ND	
102114-37B	Observation Room	Black Mastic To Gray Chipped Floor Tile	ND	
102114-38A	Ground Floor Whirl Pool Room	Tan 12"x12" Floor Tile	2	Chrysotile
102114-38B	Ground Floor Whirl Pool Room	Tan 12"x12" Floor Tile	2	Chrysotile
102114-39A	Ground Floor Whirl Pool Room	Black Mastic To Tan 12"x12" Floor Tile	ND	
102114-39B	Ground Floor Whirl Pool Room	Black Mastic To Tan 12"x12" Floor Tile	ND	
102114-40A	1st Floor/ Nurse Station	Gray 12"x12" Floor Tile	3	Chrysotile
102114-40B	1st Floor/ Nurse Station	Gray 12"x12" Floor Tile	2	Chrysotile
102114-41A	1st Floor/ Nurse Station	Yellow Mastic To Gray 12"x12" Floor Tile	ND	
102114-41B	1st Floor/ Nurse Station	Yellow Mastic To Gray 12"x12" Floor Tile	ND	

**TABLE 6-1
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
SEASIDE REGIONAL CENTER
MAIN HOSPITAL BUILDING**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
102114-42A	1st Floor/ Office Of Head Nurse	Tan 12"x12" Floor Tile	2	Chrysotile
102114-42B	1st Floor/ Office Of Head Nurse	Tan 12"x12" Floor Tile	2	Chrysotile
102114-43A	1st Floor/ Office Of Head Nurse	Yellow Mastic To Tan 12"x12" Floor Tile	ND	
102114-43B	1st Floor/ Office Of Head Nurse	Yellow Mastic To Tan 12"x12" Floor Tile	ND	
102114-44A	1st Floor/ Office Of Head Nurse	Black Mastic To Tan 12"x12" Floor Tile	ND	
102114-44B	1st Floor/ Office Of Head Nurse	Black Mastic To Tan 12"x12" Floor Tile	ND	
102114-45A	2nd Floor Bathroom 206	Yellow Blue Sheet Flooring	ND	
102114-45B	1st Floor West Bathroom	Yellow Blue Sheet Flooring	ND	
102114-46A	Ground Floor/ Kitchen	Yellow Sheet Flooring	ND	
102114-46B	Ground Floor Dishwashing Room	Yellow Sheet Flooring	ND	
102114-47A	1st Floor/ Ward #2	Tan Sheet Flooring Square Patterns	20	Chrysotile
102114-47B	1st Floor/ Ward #2	Tan Sheet Flooring Square Patterns	15	Chrysotile
102114-48A	1st Floor/ Ward #2	Tan Sheet Flooring Square Patterns/ Mastic	2	Chrysotile
102114-48B	1st Floor/ Ward #2	Tan Sheet Flooring Square Patterns/ Mastic	2	Chrysotile
102114-49A	1st Floor/ Ward #2	Tan Sheet Flooring/ Large Square Patterns	18	Chrysotile
102114-49B	1st Floor/ Ward #2	Tan Sheet Flooring/ Large Square Patterns	16	Chrysotile

**TABLE 6-1
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
SEASIDE REGIONAL CENTER
MAIN HOSPITAL BUILDING**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
102114-50A	1st Floor/ Ward #2	Tan Sheet Flooring/ Large Square Patterns Mastic	5	Chrysotile
102114-50B	1st Floor/ Ward #2	Tan Sheet Flooring/ Large Square Patterns Mastic	3	Chrysotile
102114-51A	Ground Floor Dishwashing Room	Green Cementitious Flooring	ND	
102114-51B	Ground Floor Dishwashing Room	Green Cementitious Flooring	ND	
102114-52A	1st Floor/ Ward #2	Tan Sheet Flooring Round Patterns	15	Chrysotile
102114-52B	1st Floor/ Ward #2	Tan Sheet Flooring Round Patterns	12	Chrysotile
102114-53A	1st Floor/ Ward #2	Gray Sheet Flooring	20	Chrysotile
102114-53B	1st Floor/ Ward #2	Gray Sheet Flooring	18	Chrysotile
102114-54A	1st Floor/ Ward #2	Mastic To Tan & Gray Sheet Flooring	4	Chrysotile
102114-54B	1st Floor/ Ward #2	Mastic To Tan & Gray Sheet Flooring	3	Chrysotile
102114-54C	1st Floor/ Ward #2	Mastic To Tan & Gray Sheet Flooring	3	Chrysotile
102114-55A	2nd Floor/ Ward #4	Green Sheet Flooring	14	Chrysotile
102114-55B	2nd Floor/ Ward #4	Green Sheet Flooring	15	Chrysotile
102114-56A	2nd Floor/ Ward #4	Green Sheet Flooring Black Mastic	2	Chrysotile
102114-56B	2nd Floor/ Ward #4	Green Sheet Flooring Black Mastic	3	Chrysotile
102114-57A	1st Floor/ Ward #1	Yellow Sheet Flooring	13	Chrysotile
102114-57B	1st Floor/ Ward #1	Yellow Sheet Flooring	12	Chrysotile
102114-58A	1st Floor/ Ward #1	Yellow Sheet Flooring/ Yellow Mastic	5	Chrysotile

**TABLE 6-1
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
SEASIDE REGIONAL CENTER
MAIN HOSPITAL BUILDING**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
102114-58B	1st Floor/ Ward #1	Yellow Sheet Flooring/ Yellow Mastic	4	Chrysotile
102114-59A	2nd Floor/ Bathroom 223	Brown Ceramic Wall/ Grout	ND	
102114-59B	2nd Floor/ Bathroom 223	Brown Ceramic Wall/ Grout	ND	
102114-60A	2nd Floor/ Bathroom 223	Brown Ceramic Wall/ Adhesive	ND	
102114-60B	2nd Floor/ Bathroom 223	Brown Ceramic Wall/ Adhesive	ND	
102114-61A	2nd Floor/ Bathroom 223	Brown Ceramic Floor/ Setting Compound	ND	
102114-61B	2nd Floor/ Bathroom 223	Brown Ceramic Floor/ Setting Compound	ND	
102114-62A	2nd Floor / West Storage	Light Brown Ceramic Floor Grout	ND	
102114-62B	2nd Floor / West Storage	Light Brown Ceramic Floor Grout	ND	
102114-63A	2nd Floor/ East Bathroom	Dark Green Ceramic Flooring Grout	ND	
102114-63B	2nd Floor/ East Bathroom	Dark Green Ceramic Flooring Grout	ND	
102114-64A	2nd Floor/ East Bathroom	Dark Green Ceramic Flooring Setting Compound	ND	
102114-64B	2nd Floor/ East Bathroom	Dark Green Ceramic Flooring Setting Compound	ND	
102114-65A	2nd Floor / Pantry	Brown Ceramic Flooring Grout	ND	
102114-65B	2nd Floor / Pantry	Brown Ceramic Flooring Grout	ND	
102114-66A	2nd Floor / Kitchen	Red Ceramic Flooring Grout	ND	
102114-66B	2nd Floor / Kitchen	Red Ceramic Flooring Grout	ND	
102114-67A	2nd Floor / Kitchen	Red Ceramic Flooring Setting Compound	ND	
102114-67B	2nd Floor / Kitchen	Red Ceramic Flooring Setting Compound	ND	

**TABLE 6-1
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
SEASIDE REGIONAL CENTER
MAIN HOSPITAL BUILDING**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
102114-68A	2nd Floor / West End Bathroom	Green Ceramic Wall Grout	ND	
102114-68B	2nd Floor / West End Bathroom	Green Ceramic Wall Grout	ND	
102114-69A	2nd Floor / West End Bathroom	Green Ceramic Wall Adhesive	ND	
102114-69B	2nd Floor / West End Bathroom	Green Ceramic Wall Adhesive	ND	
102114-70A	2nd Floor / West End Bathroom	Black Waterproofing Under Ceramic Wall	6	Chrysotile
102114-70B	2nd Floor / West End Bathroom	Black Waterproofing Under Ceramic Wall	4	Chrysotile
102114-71A	Ground Floor / Main Corridor	Block Wall Grout	ND	
102114-71B	1st Floor / West Bathroom	Block Wall Grout	ND	
102114-72A	3rd Floor West Bathroom	Green/White Ceramic Flooring Grout	ND	
102114-72B	Ground Floor Womens' Bathroom	Green/White Ceramic Flooring Grout	ND	
102114-73A	3rd Floor West Bathroom/ Green/ White Ceramic	Green/White Ceramic Flooring Setting Compound	ND	
102114-73B	Ground Floor Womens' Bathroom	Green/White Ceramic Flooring Setting Compound	ND	
102114-74A	Basement Bathroom	Ceramic Wall Tile Grout	ND	
102114-74B	Basement Bathroom	Ceramic Wall Tile Grout	ND	
102114-75A	Basement Bathroom	Ceramic Flooring Setting Compound	ND	
102114-75B	Basement Bathroom	Ceramic Flooring Setting Compound	ND	
102114-76A	Basement Bathroom	Ceramic Flooring Grout	ND	

**TABLE 6-1
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
SEASIDE REGIONAL CENTER
MAIN HOSPITAL BUILDING**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
102114-76B	Basement Bathroom	Ceramic Flooring Grout	ND	
102114-77A	Basement Bathroom	Ceramic Wall Tile Adhesive	ND	
102114-77B	Basement Bathroom	Ceramic Wall Tile Adhesive	ND	
102114-78A	Ground Floor Whirl Pool	Ceramic Tile Grout	ND	
102114-78B	Ground Floor Whirl Pool	Ceramic Tile Grout	ND	
102114-79A	Ground Floor Whirl Pool	Ceramic Tile Setting Compound	<1	Chrysotile
102114-79B	Ground Floor Whirl Floor Pool	Ceramic Tile Setting Compound	<1	Chrysotile
102114-80A	1st Floor	Wood Wall Panel Brown Glue	10	Chrysotile
102114-80B	1st Floor	Wood Wall Panel Brown Glue	8	Chrysotile
102114-81A	2nd Floor West End Bathroom	Black Sink Undercoating	8	Chrysotile
102114-81B	2nd Floor West End Bathroom	Black Sink Undercoating	7	Chrysotile
102114-81C	2nd Floor Kitchen	Black Sink Undercoating	6	Chrysotile
102114-82A	3rd Floor Residential Services	Black Sink Undercoating	12	Chrysotile
102114-82B	3rd Floor Residential Services	Black Sink Undercoating	10	Chrysotile
102114-83A	Dishwashing Room	Wall Panel Glue	ND	
102114-83B	Dishwashing Room	Wall Panel Glue	ND	
102114-84A	Ground Floor Staff Room	White Sink Undercoating	ND	
102114-84B	Ground Floor Staff Room	White Sink Undercoating	ND	
102114-85A	1st Floor Panel Box	Brown/Black Wire Insulation	ND	

**TABLE 6-1
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
SEASIDE REGIONAL CENTER
MAIN HOSPITAL BUILDING**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
102114-85B	1st Floor Panel Box	Gray/ Black Wire Insulation	ND	
102114-86A	Ground Floor Panel Box	Tan/Pink Wire Insulation	ND	
102114-86B	Ground Floor Panel Box	Gray/Tan Wire Insulation	ND	
102114-87A	Dishwashing Room/ Wall Panel Box	Black Electrical Panel Insulation	ND	
102114-87B	Dishwashing Room/ Floor Panel Box	Black Electrical Panel Insulation	ND	
102114-88A	Male Help Dining Room/ Floor Panel Box	Tan/Green Wire Insulation	ND	
102114-88B	Male Help Dining Room/ Floor Panel Box	Gray Wire Insulation	ND	
102114-89A	1st Floor	Mortar For Soap Stone Window Sill	ND	
102114-89B	1st Floor	Mortar For Soap Stone Window Sill	ND	
102114-90A	2nd Floor Ward #4	Brown Cove base Adhesive	ND	
102114-90B	2nd Floor Ward #4	Brown Cove base Adhesive	ND	
102114-91A	Exterior	Exterior Metal Door Insulation	ND	
102114-91B	Exterior	Exterior Metal Door Insulation	ND	
102114-92A	1st Floor Bathroom Near Dining Room	Tan/White/Green Wall/Floor Covering	ND	
102114-92B	1st Floor Bathroom Near Dining Room	White Wall/Floor Covering	ND	
102114-93A	1st Floor Bathroom Near Dining Room	Tan/White Wall/Floor Covering Mastic	ND	

**TABLE 6-1
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
SEASIDE REGIONAL CENTER
MAIN HOSPITAL BUILDING**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
102114-93B	1st Floor Bathroom Near Dining Room	Tan/Green Wall/Floor Covering Mastic	ND	
102114-94A	1st Floor/ Doctor's Assemble Room	Brown/Black Damp proofing Tar	ND	
102114-94B	East Stairwell	Brown/Black Damp proofing Tar	ND	
102114-94C	West Stairwell	Black Damp proofing Tar	ND	
102114-95A	1st Floor	White Adhesive Under Slate Window Sill	ND	
102114-95B	1st Floor	White Adhesive Under Slate Window Sill	ND	
102114-96A	Room 303	Mudded Insulation On Pipe Fitting	35 6 8	Chrysotile Amosite Crocidolite
102114-96B	Ground Floor/ Male Help Dining Room	Mudded Insulation On Pipe Fitting	<1	Chrysotile
102114-96C	Ground Floor/ Nurse's Dining	Mudded Insulation On Pipe Fitting	ND	
102114-97A	Room 303	Pipe Insulation	26 5	Chrysotile Amosite
102114-97B	Closet By Laundry Room	Pipe Insulation	12 25	Chrysotile Amosite
102114-97C	North Entrance	Pipe Insulation	35 15	Chrysotile Amosite
102114-98A	Basement	Corrugated Pipe Insulation	50	Chrysotile
102114-98B	Basement	Corrugated Pipe Insulation	55	Chrysotile
102114-99A	1st Floor/ Doctor's Assemble Room	Corrugated Insulation At Radiators	55	Chrysotile
102114-99B	1st Floor/ Doctor's Assemble Room	Corrugated Insulation At Radiators	38	Chrysotile

**TABLE 6-1
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
SEASIDE REGIONAL CENTER
MAIN HOSPITAL BUILDING**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
102114-99C	3rd Floor Corridor East End	Corrugated Insulation At Radiators	45	Chrysotile
102114-100A	Male Help Dining Room	Pipe Wrap On Fiberglass Insulation	ND	
102114-100B	Male Help Dining Room	Pipe Wrap On Fiberglass Insulation	ND	
102114-101A	Boiler Room Incinerator	Firebrick Mortar	ND	
102114-101B	Boiler Room Incinerator	Firebrick Mortar	ND	
102114-102A	Boiler Room Incinerator	Firebrick	<1	Chrysotile
102114-102B	Boiler Room Incinerator	Firebrick	ND	
102114-103A	Boiler Room	Breeching Insulation	45 6	Chrysotile Crocidolite
102114-103B	Boiler Room	Breeching Insulation	45 5	Chrysotile Crocidolite
102114-103C	Boiler Room	Breeching Insulation	50 6	Chrysotile Crocidolite
102114-104A	Boiler Room	Tank Insulation	ND	
102114-104B	Boiler Room	Tank Insulation	ND	
102114-104C	Basement	Tank Insulation	40	Chrysotile
102114-105A	Boiler Room	Boiler Gasket	ND	
102114-105B	Boiler Room	Boiler Gasket	ND	
102114-106A	Exterior	Aluminum Storm Window Caulking	2	Chrysotile
102114-106B	Exterior	Aluminum Storm Window Caulking	2	Chrysotile
102114-107A	Nurses Dining Room	Interior Window Glazing/ Aluminum Windows	35	Chrysotile
102114-107B	1st Floor Ward #2	Interior Window Glazing/ Aluminum Windows	40	Chrysotile

**TABLE 6-1
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
SEASIDE REGIONAL CENTER
MAIN HOSPITAL BUILDING**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
102114-107C	2nd Floor Ward #4	Interior Window Glazing/ Aluminum Windows	10	Chrysotile
102114-108A	Nurses Dining Room	Interior Window Caulking/ Aluminum Windows	ND	
102114-108B	1st Floor Ward #2	Interior Window Caulking/ Aluminum Windows	5	Chrysotile
102114-108C	2nd Floor Southwest Office Area	Interior Window Caulking/ Aluminum Windows	8	Chrysotile
102114-109A	1st Floor/ Large East End Room	Interior Window Caulking/ Wood Windows	ND	
102114-109B	1st Floor/ Large East End Room	Interior Window Caulking/ Wood Windows	ND	
102114-110A	Exterior/ West End	Exterior Window Glazing/ Vinyl Windows	ND	
102114-110B	Exterior/ South End	Exterior Window Glazing/ Vinyl Windows	ND	
102114-111A	Exterior/ West End	Exterior Window Glazing/ Wood Windows	ND	
102114-111B	Exterior/ North End	Exterior Window Glazing/ Wood Windows	ND	
102114-112A	Exterior/ East End	Exterior Window Caulking/ Wood Windows	<1 <1	Chrysotile Anthophyllite
102114-112B	Exterior/ West End	Exterior Window Caulking/ Wood Windows	2 <1	Chrysotile Anthophyllite
102114-113A	Exterior/ North End	Exterior Door Caulking/ Wood Door System	ND	

**TABLE 6-1
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
SEASIDE REGIONAL CENTER
MAIN HOSPITAL BUILDING**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
102114-113B	Exterior/ East End	Exterior Door Caulking/ Wood Door System	ND	
102114-114A	Exterior/ West End	Exterior Door Caulking/ Metal Door System	ND	
102114-114B	Exterior/ East End	Exterior Door Caulking/ Metal Door System	ND	
102114-115A	Exterior at Canopy Support Columns/ West End	Building Caulking	6	Chrysotile
102114-115B	Exterior at Canopy Support Columns/ West End	Building Caulking	3	Chrysotile
102114-116A	2nd Floor South	Interior Window Caulking/ Wood Windows	ND	
102114-116B	2nd Floor South	Interior Window Caulking/ Wood Windows	ND	
102114-117A	Rear/ East	Door Frame Caulking/ Metal Door System	ND	
102114-117B	Rear/ East	Door Frame Caulking/ Metal Door System	ND	
102114-118A	Attic	Loose Insulation Fill	ND	
102114-118B	Attic	Loose Insulation Fill	ND	
102114-119A	Attic	Vermiculite	ND	
102114-119B	Attic	Vermiculite	ND	
102114-119C	Attic	Vermiculite	ND	
102114-120A	Stairwell	Black Fire Door Window Glazing	2	Chrysotile

**TABLE 6-1
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
SEASIDE REGIONAL CENTER
MAIN HOSPITAL BUILDING**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
102114-120B	Stairwell	Black Fire Door Window Glazing	2	Chrysotile
102114-121A	Low Southwest Roof	Tar Paper	ND	
102114-121B	Low Southeast Roof	Tar Paper	ND	
102114-121C	Low South Roof	Tar Paper	ND	
102114-122A	Low South East Roof	Perimeter Flashing	7	Chrysotile
102114-122B	Low Southwest Roof	Perimeter Flashing	22	Chrysotile
102114-123A	Low South Roof	Penetration Flashing	12	Chrysotile
102114-123B	Low South Roof	Penetration Flashing	18	Chrysotile
102114-124A	Southwest Pitched Roof	Tar Paper	15	Chrysotile
102114-124B	Southeast Pitched Roof	Tar Paper	12	Chrysotile
102114-125A	Low Southeast Roof	Asphalt Paper Composite (Roof Field)	2	Chrysotile
102114-125B	Low Southwest Roof	Asphalt Paper Composite (Roof Field)	ND	
102114-125C	Low South Roof	Asphalt Paper Composite (Roof Field)	ND	
102114-126A	Low Southeast Roof	Brown Insulation	ND	
102114-126B	Low Southwest Roof	Brown Insulation	ND	
102114-126C	Low South Roof	Brown Insulation	ND	
102114-127A	Kitchen Roof At Air Handler Unit	Caulking	ND	
102114-127B	Kitchen Roof At Air Handler Unit	Caulking	ND	

**TABLE 6-1
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
SEASIDE REGIONAL CENTER
MAIN HOSPITAL BUILDING**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
102114-128A	Kitchen Roof/ North East Roof (Low)	Brown Insulation	ND	
102114-128B	Kitchen Roof/ North East Roof (Low)	Brown Insulation	ND	
102114-128C	Kitchen Roof/ North East Roof (Low)	Brown Insulation	ND	
102114-129A	Kitchen Roof/ North East Roof (Low)	Parapet Wall Flashing	5	Chrysotile
102114-129B	Kitchen Roof/ North East Roof (Low)	Parapet Wall Flashing	10	Chrysotile
102114-130A	Kitchen Roof/ North East Roof (Low)	Penetration Flashing	2	Chrysotile
102114-130B	Kitchen Roof/ North East Roof (Low)	Penetration Flashing	5	Chrysotile
102114-131A	Kitchen Roof At Air Handler Unit	Vibration Cloth	ND	
102114-131B	Kitchen Roof At Air Handler Unit	Vibration Cloth	ND	
102114-132A	Kitchen Roof/ North East Roof (Low)	Asphalt Paper Composite (Roof Field)	ND	
102114-132B	Kitchen Roof/ North East Roof (Low)	Asphalt Paper Composite (Roof Field)	ND	
102114-133A	Kitchen Roof/ North East Roof (Low)	Gray Building Caulking	4	Chrysotile
102114-133B	Kitchen Roof/ North East Roof (Low)	Gray Building Caulking	5	Chrysotile

**TABLE 6-1
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
SEASIDE REGIONAL CENTER
MAIN HOSPITAL BUILDING**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
102114-134A	Kitchen Roof/ North East Roof (Low)	Top Tar	ND	
102114-134B	Kitchen Roof/ North East Roof (Low)	Top Tar	ND	
102114-135A	Kitchen Roof/ North East Roof (Low)	Top Layer Asphalt Paper Composite	ND	
102114-135B	Kitchen Roof/ North East Roof (Low)	Top Layer Asphalt Paper Composite	ND	
102114-136A	Kitchen Roof/ North East Roof (Low)	Middle Layer Asphalt Paper Composite	ND	
102114-136B	Kitchen Roof/ North East Roof (Low)	Middle Layer Asphalt Paper Composite	ND	
102114-137A	Kitchen Roof/ North East Roof (Low)	Bottom Layer Asphalt Paper Composite	ND	
102114-137B	Kitchen Roof/ North East Roof (Low)	Bottom Layer Asphalt Paper Composite	ND	
102114-138A	Kitchen Roof/ North East Roof (Low)	Flashing Tar	13	Chrysotile
102114-138B	Kitchen Roof/ North East Roof (Low)	Flashing Tar	7	Chrysotile
102114-139A	Kitchen Roof/ North East Roof (Low)	Roof Drain Tar	4	Chrysotile
102114-139B	Kitchen Roof/ North East Roof (Low)	Roof Drain Tar	8	Chrysotile

ND = None Detected

7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS

**EMSL Analytical, Inc.**

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EMSL Order:	031440979
CustomerID:	ATCE54
CustomerPO:	14-061-0001A
ProjectID:	

Attn: **Ed Fennell**
Cardno ATC
290 Roberts Street
Suite 301
East Hartford, CT 06108

Phone: (860) 282-9924
 Fax: (860) 282-9826
 Received: 10/23/14 11:56 AM
 Analysis Date: 10/25/2014
 Collected: 10/21/2014

Project: 61.22573.0020 TASK 20068/ STATE OF CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ 36 SHORE RD. WATERFORD,

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-05A 031440979-0001	GROUND FL WEST CORRIDOR/ GIRLS RECREATION ROOM - WALL PLASTER #2/ SKIM COAT	White Non-Fibrous Homogeneous		20% Quartz 55% Ca Carbonate 25% Non-fibrous (other)	None Detected
102114-05B 031440979-0002	GROUND FL WEST CORRIDOR/ GIRLS RECREATION ROOM - WALL PLASTER #2/ SKIM COAT	White Non-Fibrous Homogeneous		28% Quartz 60% Ca Carbonate 12% Non-fibrous (other)	None Detected
102114-05C 031440979-0003	GROUND FL WEST CORRIDOR/ GIRLS RECREATION ROOM - WALL PLASTER #2/ SKIM COAT	White Non-Fibrous Homogeneous		2% Mica 25% Gypsum 45% Ca Carbonate 28% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					
102114-06A 031440979-0004	GROUND FL WEST CORRIDOR/ GIRLS RECREATION ROOM - WALL PLASTER #2/ BASE COAT	Gray Non-Fibrous Homogeneous		28% Quartz 60% Gypsum 12% Non-fibrous (other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 10/25/2014 01:47:22

**EMSL Analytical, Inc.**

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Phone: (860) 282-9924
 Fax: (860) 282-9826
 Received: 10/23/14 11:56 AM
 Analysis Date: 10/25/2014
 Collected: 10/21/2014

Project: 61.22573.0020 TASK 20068/ STATE OF CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ 36 SHORE RD. WATERFORD,

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-06B <i>031440979-0005</i>	GROUND FL WEST CORRIDOR/ GIRLS RECREATION ROOM - WALL PLASTER #2/ BASE COAT	Gray Non-Fibrous Homogeneous		15% Quartz 62% Gypsum 23% Non-fibrous (other)	None Detected
102114-06C <i>031440979-0006</i>	GROUND FL WEST CORRIDOR/ GIRLS RECREATION ROOM - WALL PLASTER #2/ BASE COAT	Gray Non-Fibrous Homogeneous		10% Quartz 60% Gypsum 30% Non-fibrous (other)	None Detected
102114-07A <i>031440979-0007</i>	GROUND FL/ RADIOGRAPHIC RM - GYPSUM BOARD	Brown/White Non-Fibrous Homogeneous	3% Glass 12% Cellulose	60% Gypsum 25% Non-fibrous (other)	None Detected
102114-07B <i>031440979-0008</i>	2ND FL WEST STAIRWELL - GYPSUM BOARD	Brown/White Non-Fibrous Homogeneous	10% Cellulose	68% Gypsum 22% Non-fibrous (other)	None Detected
102114-07C <i>031440979-0009</i>	KITCHEN - GYPSUM BOARD	Gray Non-Fibrous Homogeneous	3% Cellulose	65% Gypsum 15% Ca Carbonate 17% Non-fibrous (other)	None Detected
102114-08A <i>031440979-0010</i>	GROUND FL/ RADIOGRAPHIC RM - JOINT COMPOUND	White Non-Fibrous Homogeneous		4% Mica 65% Ca Carbonate 31% Non-fibrous (other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 10/25/2014 01:47:22

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 Received: 10/23/14 11:56 AM
 Analysis Date: 10/25/2014
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Project: 61.22573.0020 TASK 20068/ STATE OF CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ 36 SHORE RD. WATERFORD,

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-08B 031440979-0011	2ND FL WEST STAIRWELL - JOINT COMPOUND	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (other)	None Detected
102114-08C 031440979-0012	KITCHEN - JOINT COMPOUND	Brown/White Non-Fibrous Homogeneous		5% Mica 70% Ca Carbonate 25% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					
102114-09A 031440979-0013	1ST FL/ WARD 2/ SOUTH SECTION - 1'X1' FISSURED CEILING TILE	Gray Fibrous Homogeneous	30% Cellulose 48% Min. Wool	22% Non-fibrous (other)	None Detected
102114-09B 031440979-0014	1ST FL/ WARD 2/ SOUTH SECTION - 1'X1' FISSURED CEILING TILE	Tan/White Fibrous Homogeneous	35% Cellulose 45% Min. Wool	20% Non-fibrous (other)	None Detected
102114-10A 031440979-0015	1ST FL/ WARD 2/ NORTH SECTION - 2X4 CEILING TILE	Gray Fibrous Homogeneous	25% Min. Wool 40% Cellulose	35% Non-fibrous (other)	None Detected
102114-10B 031440979-0016	1ST FL/ WARD 2/ NORTH SECTION - 2X4 CEILING TILE	Tan/White Fibrous Homogeneous	48% Cellulose 35% Min. Wool	17% Non-fibrous (other)	None Detected
102114-11A 031440979-0017	BASEMENT - 2X4 CEILING TILE	White Fibrous Homogeneous	65% Min. Wool	25% Non-fibrous (other)	10% Amosite
102114-11B 031440979-0018	BASEMENT - 2X4 CEILING TILE	White Fibrous Homogeneous	40% Min. Wool	46% Non-fibrous (other)	14% Amosite

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Initial report from 10/25/2014 01:47:22

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Project: 61.22573.0020 TASK 20068/ STATE OF CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ 36 SHORE RD. WATERFORD,

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-12A <i>031440979-0019</i>	ROOM 303 - 1'X1' CEILING TILE	Gray Fibrous Homogeneous	42% 35%	Min. Wool Cellulose	23% Non-fibrous (other) None Detected
102114-12B <i>031440979-0020</i>	ROOM 301 - 1'X1' CEILING TILE	Brown/White Fibrous Homogeneous	52% 30%	Cellulose Min. Wool	18% Non-fibrous (other) None Detected
102114-01A <i>031440979-0021</i>	WEST STAIRWELL 3RD FLOOR - WALL PLASTER SKIM COAT	White Non-Fibrous Homogeneous			45% Gypsum 40% Ca Carbonate 15% Non-fibrous (other) None Detected
102114-01B <i>031440979-0022</i>	ROOM 311 - WALL PLASTER SKIM COAT	White Non-Fibrous Homogeneous			70% Ca Carbonate 28% Non-fibrous (other) 2% Chrysotile
102114-01C <i>031440979-0023</i>	2ND FLOOR WARD #4 - WALL PLASTER SKIM COAT	White Non-Fibrous Homogeneous			60% Gypsum 40% Non-fibrous (other) None Detected
102114-01D <i>031440979-0024</i>	BATHROOM 316 - WALL PLASTER SKIM COAT	White Non-Fibrous Homogeneous			52% Ca Carbonate 48% Non-fibrous (other) None Detected
102114-01E <i>031440979-0025</i>	NORTH ENTRANCE - WALL PLASTER SKIM COAT	White Non-Fibrous Homogeneous			70% Ca Carbonate 30% Non-fibrous (other) None Detected
102114-01F <i>031440979-0026</i>	DINING ROOM - WALL PLASTER SKIM COAT	White Non-Fibrous Homogeneous			58% Ca Carbonate 42% Non-fibrous (other) None Detected
102114-01G <i>031440979-0027</i>	KITCHEN/ MAIN - WALL PLASTER SKIM COAT	White Non-Fibrous Homogeneous			65% Ca Carbonate 35% Non-fibrous (other) None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-01H <i>031440979-0028</i>	MALE HELP DINING - WALL PLASTER SKIM COAT	White Non-Fibrous Homogeneous		78% Ca Carbonate 22% Non-fibrous (other)	None Detected
102114-01I <i>031440979-0029</i>	1ST FL WARD #1 - WALL PLASTER SKIM COAT	White Non-Fibrous Homogeneous		55% Gypsum 20% Ca Carbonate 22% Non-fibrous (other)	3% Chrysotile
Inseparable paint / coating layer included in analysis					
102114-02A <i>031440979-0030</i>	WEST STAIRWELL 3RD FLOOR - WALL PLASTER BASE COAT	Gray Non-Fibrous Homogeneous		40% Quartz 28% Gypsum 30% Non-fibrous (other)	2% Chrysotile
102114-02B <i>031440979-0031</i>	ROOM 311 - WALL PLASTER BASE COAT	Gray/White Non-Fibrous Homogeneous		50% Quartz 28% Gypsum 22% Non-fibrous (other)	<1% Chrysotile
102114-02C <i>031440979-0032</i>	2ND FLOOR WARD #4 - WALL PLASTER BASE COAT	Gray Non-Fibrous Homogeneous		50% Quartz 32% Gypsum 18% Non-fibrous (other)	None Detected
102114-02D <i>031440979-0033</i>	BATHROOM 316 - WALL PLASTER BASE COAT	Gray Non-Fibrous Homogeneous		42% Quartz 40% Gypsum 18% Non-fibrous (other)	None Detected
102114-02E <i>031440979-0034</i>	NORTH ENTRANCE - WALL PLASTER BASE COAT	Gray Non-Fibrous Homogeneous		18% Quartz 60% Gypsum 18% Non-fibrous (other)	4% Chrysotile

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-02F <i>031440979-0035</i>	DINING ROOM - WALL PLASTER BASE COAT	Gray Non-Fibrous Homogeneous		38% Quartz 35% Gypsum 25% Non-fibrous (other)	2% Chrysotile
102114-02G <i>031440979-0036</i>	KITCHEN/ MAIN - WALL PLASTER BASE COAT	Gray Non-Fibrous Homogeneous		45% Quartz 40% Gypsum 15% Non-fibrous (other)	None Detected
102114-02H <i>031440979-0037</i>	MALE HELP DINING - WALL PLASTER BASE COAT	Gray Non-Fibrous Homogeneous		32% Quartz 40% Gypsum 28% Non-fibrous (other)	None Detected
102114-02I <i>031440979-0038</i>	1ST FL WARD #1 - WALL PLASTER BASE COAT	Gray Non-Fibrous Heterogeneous		45% Quartz 53% Non-fibrous (other)	2% Chrysotile
102114-03A <i>031440979-0039</i>	ROOM 303 - CEILING PLASTER SKIM COAT	White Non-Fibrous Homogeneous		67% Ca Carbonate 33% Non-fibrous (other)	<1% Chrysotile
102114-03B <i>031440979-0040</i>	ROOM 312 - CEILING PLASTER SKIM COAT	White Non-Fibrous Homogeneous		65% Ca Carbonate 33% Non-fibrous (other)	2% Chrysotile
102114-03C <i>031440979-0041</i>	3RD FL RESIDENTIAL SERVICES - CEILING PLASTER SKIM COAT	White Non-Fibrous Homogeneous		65% Ca Carbonate 35% Non-fibrous (other)	<1% Chrysotile

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-03D <i>031440979-0042</i>	2ND FL EAST BATHROOM - CEILING PLASTER SKIM COAT	White Non-Fibrous Homogeneous		65% Ca Carbonate 35% Non-fibrous (other)	<1% Chrysotile
102114-03E <i>031440979-0043</i>	2ND FL EAST END ROOM - CEILING PLASTER SKIM COAT	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (other)	<1% Chrysotile
102114-03F <i>031440979-0044</i>	1ST FL MAIN CORRIDOR - CEILING PLASTER SKIM COAT	White Non-Fibrous Homogeneous		68% Ca Carbonate 32% Non-fibrous (other)	<1% Chrysotile
102114-03G <i>031440979-0045</i>	1ST FL WARD #3 - CEILING PLASTER SKIM COAT	White Non-Fibrous Homogeneous		68% Ca Carbonate 32% Non-fibrous (other)	<1% Chrysotile
102114-03H <i>031440979-0046</i>	GROUND FL LARGE EAST END ROOM - CEILING PLASTER SKIM COAT	White Non-Fibrous Homogeneous		65% Ca Carbonate 33% Non-fibrous (other)	2% Chrysotile
102114-03I <i>031440979-0047</i>	KITCHEN/ MAIN - CEILING PLASTER SKIM COAT	White Non-Fibrous Homogeneous		25% Gypsum 30% Ca Carbonate 45% Non-fibrous (other)	<1% Chrysotile
102114-04A <i>031440979-0048</i>	ROOM 303 - CEILING PLASTER BASE COAT	Gray Non-Fibrous Homogeneous		42% Quartz 36% Gypsum 20% Non-fibrous (other)	2% Chrysotile

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-04B <i>031440979-0049</i>	ROOM 312 - CEILING PLASTER BASE COAT	Gray Non-Fibrous Homogeneous		40% Quartz 32% Gypsum 26% Non-fibrous (other)	2% Chrysotile
102114-04C <i>031440979-0050</i>	3RD FL RESIDENTIAL SERVICES - CEILING PLASTER BASE COAT	Gray Non-Fibrous Homogeneous		40% Quartz 35% Gypsum 23% Non-fibrous (other)	2% Chrysotile
102114-04D <i>031440979-0051</i>	2ND FL EAST BATHROOM - CEILING PLASTER BASE COAT	Gray Non-Fibrous Homogeneous		40% Quartz 27% Gypsum 30% Non-fibrous (other)	3% Chrysotile
102114-04E <i>031440979-0052</i>	2ND FL EAST END ROOM - CEILING PLASTER BASE COAT	Gray Non-Fibrous Homogeneous		40% Quartz 30% Gypsum 28% Non-fibrous (other)	2% Chrysotile
102114-04F <i>031440979-0053</i>	1ST FL MAIN CORRIDOR - CEILING PLASTER BASE COAT	Gray Non-Fibrous Homogeneous		35% Quartz 35% Gypsum 28% Non-fibrous (other)	2% Chrysotile
102114-04G <i>031440979-0054</i>	1ST FL WARD #3 - CEILING PLASTER BASE COAT	Gray Non-Fibrous Homogeneous		40% Quartz 35% Gypsum 25% Non-fibrous (other)	<1% Chrysotile

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-04H <i>031440979-0055</i>	GROUND FL LARGE EAST END ROOM - CEILING PLASTER BASE COAT	Gray Non-Fibrous Homogeneous	2%	Synthetic	57% Quartz 38% Non-fibrous (other) 3% Chrysotile
102114-04I <i>031440979-0056</i>	KITCHEN/ MAIN - CEILING PLASTER BASE COAT	Gray Non-Fibrous Homogeneous			55% Quartz 42% Non-fibrous (other) 3% Chrysotile
102114-13A <i>031440979-0057</i>	NURSES DINING ROOM - 1'X1' CEILING TILE	Tan Fibrous Homogeneous	85%	Cellulose	15% Non-fibrous (other) None Detected
102114-13B <i>031440979-0058</i>	ROOM 328 - 1'X1' CEILING TILE	Brown/White Fibrous Homogeneous	90%	Cellulose	10% Non-fibrous (other) None Detected
102114-14A <i>031440979-0059</i>	2ND FLOOR WEST OFFICES SOUTH - 1'X1' CEILING TILE/ ON SPLINE	Gray/White Fibrous Homogeneous	35%	Min. Wool	45% Gypsum 20% Non-fibrous (other) None Detected
102114-14B <i>031440979-0060</i>	1ST FLOOR WARD #2 - 1'X1' CEILING TILE/ ON SPLINE	Gray/White Fibrous Homogeneous	65%	Min. Wool 10% Cellulose	25% Non-fibrous (other) None Detected
102114-15A <i>031440979-0061</i>	BASEMENT - 2'X2' CEILING TILE/ HOLES	Gray Fibrous Homogeneous	65%	Min. Wool	27% Non-fibrous (other) 8% Amosite
102114-15B <i>031440979-0062</i>	BASEMENT - 2'X2' CEILING TILE/ HOLES	White Fibrous Homogeneous	55%	Min. Wool	27% Non-fibrous (other) 18% Amosite

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-16A <i>031440979-0063</i>	2ND FLOOR SHOWER ROOM - 2'X2' TEXTURED CEILING TILE	Brown/White Fibrous Homogeneous	55% Cellulose	45% Non-fibrous (other)	None Detected
102114-16B <i>031440979-0064</i>	2ND FLOOR SHOWER ROOM - 2'X2' TEXTURED CEILING TILE	Brown/White Fibrous Homogeneous	86% Cellulose	14% Non-fibrous (other)	None Detected
102114-17A <i>031440979-0065</i>	GROUND FLOOR - CEILING INSULATION	Tan Non-Fibrous Homogeneous		35% Ca Carbonate 57% Non-fibrous (other)	8% Chrysotile
102114-17B <i>031440979-0066</i>	GIRLS RECREATION - CEILING INSULATION	Tan Non-Fibrous Homogeneous		45% Ca Carbonate 48% Non-fibrous (other)	7% Chrysotile
102114-17C <i>031440979-0067</i>	ROOM/ ON CONCRETE DECK - CEILING INSULATION	Tan Non-Fibrous Homogeneous	25% Cellulose	65% Non-fibrous (other)	10% Chrysotile
102114-18A <i>031440979-0068</i>	ROOM 301 - BROWN GLUE DAUBS	Brown Non-Fibrous Homogeneous		70% Matrix 30% Non-fibrous (other)	None Detected
102114-18B <i>031440979-0069</i>	ROOM 303 - BROWN GLUE DAUBS	Brown Non-Fibrous Homogeneous		20% Ca Carbonate 65% Matrix 15% Non-fibrous (other)	None Detected
102114-19A <i>031440979-0070</i>	NURSES DINING ROOM - DARK BROWN GLUE DAUBS	Brown Non-Fibrous Homogeneous		72% Matrix 28% Non-fibrous (other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 10/25/2014 01:47:22

**EMSL Analytical, Inc.**

307 West 38th Street, New York, NY 10018

Phone/Fax: (212) 290-0051 / (212) 290-0058

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

EMSL Order:	031440979
CustomerID:	ATCE54
CustomerPO:	14-061-0001A
ProjectID:	

Attn: **Ed Fennell**
Cardno ATC
290 Roberts Street
Suite 301
East Hartford, CT 06108

Phone: (860) 282-9924
 Fax: (860) 282-9826
 Received: 10/23/14 11:56 AM
 Analysis Date: 10/25/2014
 Collected: 10/21/2014

Project: 61.22573.0020 TASK 20068/ STATE OF CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ 36 SHORE RD. WATERFORD,

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-19B <i>031440979-0071</i>	NURSES DINING ROOM - DARK BROWN GLUE DAUBS	Brown Non-Fibrous Homogeneous	2% Cellulose	20% Ca Carbonate 67% Matrix 11% Non-fibrous (other)	None Detected
102114-20A <i>031440979-0072</i>	COLD STORAGE BEHIND COOLER INSULATION - TAN GLUE DAUBS	Tan Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (other)	None Detected
102114-20B <i>031440979-0073</i>	COLD STORAGE BEHIND COOLER INSULATION - TAN GLUE DAUBS	Tan Non-Fibrous Homogeneous		35% Ca Carbonate 50% Matrix 15% Non-fibrous (other)	None Detected
102114-21A <i>031440979-0074</i>	MALE HELP DINING ROOM - PINK GYPSUM WALL BOARD	Pink Non-Fibrous Homogeneous		75% Gypsum 25% Non-fibrous (other)	None Detected
102114-21B <i>031440979-0075</i>	MALE HELP DINING ROOM - PINK GYPSUM WALL BOARD	Pink Non-Fibrous Homogeneous	15% Cellulose 5% Glass	60% Gypsum 20% Non-fibrous (other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 10/25/2014 01:47:22



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

EMSL Order: 031440979
CustomerID: ATCE54
CustomerPO: 14-061-0001A
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Attn: **Ed Fennell**
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East Hartford, CT 06108

Phone: (860) 282-9924
Fax: (860) 282-9826
Received: 10/23/14 11:56 AM
Analysis Date: 10/25/2014
Collected: 10/21/2014

Project: 61.22573.0020 TASK 20068/ STATE OF CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ 36 SHORE RD. WATERFORD,

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date:: 10/23/2014 Sample Receipt Time: 11:56 AM
Analysis Completed Date: 10/25/2014 Analysis Completed Time: 1:12 AM

Analyst(s):

Noel Anderson PLM (50)

Shahrakur Mahmud PLM (25)

Samples reviewed and approved by:

James Hall, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 10/25/2014 01:47:22

1 of 7



Shaping the Future

290 Roberts Street, Suite 301
 East Hartford, CT 06108
 (860) 282-9924 Fax: (860) 282-9826

BULK SAMPLE LOG

031440979

Client Name: State of CT DCS
 Project No./Task No.: 61.22573000 Task 20068
 Project Manager: Ed Fenwick
 Requested Completion Date: _____
 Requested turnaround time (circle) 3 HR 6 HR 12 HR No. Samples Collected 24
 24 HR 48 HR 3 DY 5 DY 10 DY
 Address: Seaside Hospital Complex - 360 Shore Rd Waterford CT
 Laboratory Name: EMSL
 Building: Hospital Building
 Cardno ATC Inspector: W. Thompson / S Szalag
 Accreditation No.: 000633 / 00493
 Survey Date: 10/21/14
 Signature: [Signature]
 Material Description: wall plaster #2 - skim coat
wall plaster #2 - base coat
board
soil compound
fibrous ceiling tile
ceiling tile
ceiling tile
ceiling tile

Location	Type	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Possible Reason for Damage	Damage Potential (NPD PD PSD)	Sample of (homogeneous material)	Field Number
MISC	S		N					102114-08A
MISC	S		N					102114-08B
MISC	MISC		N					102114-07A
MISC	MISC		N					102114-07B
MISC	MISC		N					102114-07C
MISC	MISC		N					102114-08C
MISC	MISC		N					102114-09A
MISC	MISC		N					102114-09B
MISC	MISC		N					102114-10A
MISC	MISC		N					102114-10B
MISC	MISC		N					102114-11A
MISC	MISC		N					102114-11B
MISC	MISC		N					102114-12A
MISC	MISC		N					102114-12B

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 14 OCT 2014 11:56 AM

Received By/Date: [Signature] 10/23/14 11:56 AM
 Received By/Date: [Signature] 10/21/14 9:41 AM

Notes: Physical (sig dmg-dmg-no dmg) Proximity (<1ft - 1-6ft - 6ft) Ventilation (yes-no; if yes-#ppm)
 Damage Factors: Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air condense low-plenum - air shaft - elevator shaft - duct
 Disturbance Factors: Deterioration (heavy-moderate-light-none) Vibration (gym-music m-auditorium-mechanical m-elevator-other) Air movement (high-moderate-low)
 Friability (yes-no; hard-soft surface) Barrels (perm air/light/moisture/temperature) Texture (rough-pitted)

2 of 17

031440979



290 Roberts Street, Suite 301
 East Hartford, CT 06108
 (860) 282-9924 Fax: (860) 282-9826

BULK SAMPLE LOG

Client Name: State of CT DCS
 Project No./Task No.: 61205730120 Task0068
 Project Manager: Ed Fennell
 Requested Completion Date: _____
 No. Samples Collected: 18

Requested turnaround time (circle): 3 HR 6 HR 12 HR
 24 HR 48 HR 3 DY 5 DY 10 DY

Building: Hospital Building Address: Seaside Hospital Complex 36 Shore Rd Waterford, CT

Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Possible Reason for Damage	Damage Potential (NPD PD PSD)	Sample of (homogeneous material)	Field Number
West Stairwell 3rd Floor	Wall Plaster-Skim Coat	S		N				1	102114-01A
Room 311		S		N				2	01B
Room 311		S		N				3	01C
Room 311		S		N				4	01D
Room 311		S		N				5	01E
Room 311		S		N				6	01F
Room 311		S		N				7	01G
Room 311		S		N				8	01H
Room 311		S		N				9	01I
West Stairwell 3rd Floor	Base Coat	S		N				10	102114-02A
Room 311		S		N				11	02B
Room 311		S		N				12	02C
Room 311		S		N				13	02D
Room 311		S		N				14	02E
Room 311		S		N				15	02F
Room 311		S		N				16	02G
Room 311		S		N				17	02H
Room 311		S		N				18	02I

Comments (inaccessible areas, etc.):

Notes:
 Damage Factors: Physical (sig dimg-dimg-no dimg)
 Proximity (<4ft - 1-6ft - >6ft)
 Disturbance Factors: Ventilation (yes-no; if yes type)

Water (extensive-moderate-slight-none)
 Accessibility (within reach-barely reachable-not reachable)
 Air conduits (air plenum - air shaft - elevator shaft - duct)

Deterioration (heavy-moderate-light-none)
 Vibration (gym-music rm-auditorium-mechanical rm-elevator-other)
 Air movement (high-moderate-low)

Relinquished By/Date: [Signature] 10/27/14
 Relinquished By/Date: [Signature] 10/27/14

Received By/Date: Mark 10/27/14 11:56am
 Received By/Date: Mark 10/27/14 9pm

EMS LAB RECEIVED
 14 OCT 2014 11:56 AM

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 14 OCT 2014 11:56 AM

Relinquished By/Date: [Signature] 10/27/14 11:20 AM
 Relinquished By/Date: [Signature] 10/27/14 11:20 AM

S:\BldgSetAdmin\Templates and Forms\Asbestos\Asbestos Bulk Sample Form.doc

3 of 7

031440979



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290 Roberts Street, Suite 301
East Hartford, CT 06108
(860) 282-9924 Fax: (860) 282-9826

BULK SAMPLE LOG

Cardno ATC Inspector: W. Thompson / S. Szalay
 Accreditation No.: 0006737 00493
 Survey Date: 10/21/14
 Signature: [Signature]
 Laboratory Name: EMSL
 Building: Hospital Building
 Address: Seaside Hospital Complex, 36 Shore Rd, Waterford CT
 Client Name: State of CT DCS
 Project No./Task No.: 61,22573,0020 Task 20068
 Project Manager: Ed Fennell
 Requested Completion Date: 1-8
 Requested turnaround time (circle): 24 HR 48 HR 3 DY 5 DY 10 DY 3 HR 6 HR 12 HR
 No. Samples Collected: 18

Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Possible Reason for Damage	Damage Potential (NPD PD PSD)	Sample of (homogeneous material)	Field Number
Room 205	Ceiling Plaster - Skim Coat	S		N				12	102114-024
Room 212	Ceiling Plaster Base Coat	S		N				31	030
Room 212	Ceiling Plaster Base Coat	S		N				32	030
Room 212	Ceiling Plaster Base Coat	S		N				33	030
Room 212	Ceiling Plaster Base Coat	S		N				34	030
Room 212	Ceiling Plaster Base Coat	S		N				35	030
Room 212	Ceiling Plaster Base Coat	S		N				36	030
Room 212	Ceiling Plaster Base Coat	S		N				37	030
Room 212	Ceiling Plaster Base Coat	S		N				38	030
Room 212	Ceiling Plaster Base Coat	S		N				39	030
Room 212	Ceiling Plaster Base Coat	S		N				40	030
Room 212	Ceiling Plaster Base Coat	S		N				41	030
Room 212	Ceiling Plaster Base Coat	S		N				42	030
Room 212	Ceiling Plaster Base Coat	S		N				43	030
Room 212	Ceiling Plaster Base Coat	S		N				44	030
Room 212	Ceiling Plaster Base Coat	S		N				45	030
Room 212	Ceiling Plaster Base Coat	S		N				46	030
Room 212	Ceiling Plaster Base Coat	S		N				47	030
Room 212	Ceiling Plaster Base Coat	S		N				48	030
Room 212	Ceiling Plaster Base Coat	S		N				49	030
Room 212	Ceiling Plaster Base Coat	S		N				50	030

MANHATTAN RECEIVED 14 OCT 23 AM 11

Eriability (yes-no; hard-soft surface)
Barriers (perm air/light/contaminated-impervious)
Texture (rough-pitted-concrete-splashed)

Deterioration (heavy-moderate-light-none)
Vibration (gym-music rm-auditorium-mechanical rm-elevator-other)
Air movement (high-moderate-low)

Water (extensive-moderate-slight-none)
Accessibility (within reach-barely reachable-not reachable)
Air conduits (alt-pleurum - air shaft - elevator shaft - duct)Ventilation (yes-no, type)

Physical (sq dm-g-dmg-no dmg)
Proximity (<1ft-1-6ft->6ft)
Disturbance Factors:

Received By/Date: AMark 10/23/14 11:56am

Received By/Date: Mal And 10/24/14 9pm

Relinquished By/Date: [Signature] 10/23/14

Relinquished By/Date: [Signature] 10/23/14



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BULK SAMPLE LOG

290 Roberts Street, Suite 301
East Hartford, CT 06108
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: W. Thompson/S. Szellag Client Name: CT P.C.S.
 Accreditation No.: 00670/00493 Project No./Task No.: 61.22573.00207
 Survey Date: _____ Project Manager: ED FEINMELL
 Signature: S. Szellag Requested Completion Date: _____
 Lab Name: _____ No. Samples Collected: 19

Building: Hospital Bldg Address: SEASIDE HOSP COMPLEX - SHORE RD WATER FORT CT

Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
Mrs's Dining Room	1'x1' Ceiling Tile	MISC		N		2	102114-134
Basement	1'x1' Ceiling Tile (in spine)	MISC		N		2	102114-147
Basement	2'x2' Ceiling Tile (Holes)	MISC		N		2	102114-154
2nd Floor Storage Room	Textured Ceiling Tile	MISC		N		2	102114-167
Ground Floor	Ceiling Insulation	S		N		2	102114-177
Basement	Brown Glue daubs	MISC		N		2	102114-187
Basement	Dark Brown Glue daubs	MISC		N		2	102114-197
Cold Storage behind	Tan Glue daubs	MISC		N		2	102114-207
Cooler Insulation	Pink Gypsum wallboard	MISC		N		2	102114-217
Male Health Dining Room							

Comments: _____

Relinquished By/Date: [Signature] 10/23/14
 Relinquished By/Date: _____

Received By/Date: [Signature] 10/23/14 11:57am
 Received By/Date: _____

Notes:
 Damage Factors: _____
 Disturbance Factors: _____

EMSL MANHATTAN LAB RECEIVED
 14 OCT 23 11:57

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**EMSL Analytical, Inc.**

307 West 38th Street, New York, NY 10018

Phone/Fax: (212) 290-0051 / (212) 290-0058

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

EMSL Order:	031441026
CustomerID:	ATCE54
CustomerPO:	14-061-0001A
ProjectID:	

Attn: **Ed Fennell**
Cardno ATC
290 Roberts Street
Suite 301
East Hartford, CT 06108

Phone: (860) 282-9924
 Fax: (860) 282-9826
 Received: 10/23/14 11:39 AM
 Analysis Date: 10/25/2014
 Collected: 10/21/2014

Project: 61.22573.0020 TASK 20068/ STATE OF CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ 36 SHORE RD. WATERFORD,

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-22A 031441026-0001	1ST FLOOR WARD #2 - BLACK 9"X9" FLOOR TILE	Black Non-Fibrous Homogeneous		10% Ca Carbonate 88% Non-fibrous (other)	2% Chrysotile
102114-22B 031441026-0002	2ND FLOOR MAIN CORRIDOR - BLACK 9"X9" FLOOR TILE	Black Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
102114-23A 031441026-0003	1ST FLOOR WARD #2 - MASTIC TO BLACK 9"X9" FLOOR TILE	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
102114-23B 031441026-0004	2ND FLOOR MAIN CORRIDOR - MASTIC TO BLACK 9"X9" FLOOR TILE	Black Non-Fibrous Homogeneous		96% Non-fibrous (other)	4% Chrysotile
102114-24A 031441026-0005	3RD FLOOR CORRIDOR - GRAY 9"X9" FLOOR TILE	Tan Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
102114-24B 031441026-0006	ROOM 303 - GRAY 9"X9" FLOOR TILE	Tan Non-Fibrous Homogeneous		15% Ca Carbonate 83% Non-fibrous (other)	2% Chrysotile
102114-24C 031441026-0007	GROUND FLOOR/ MALE HELP DINING ROOM - GRAY 9"X9" FLOOR TILE	Tan Non-Fibrous Homogeneous		17% Ca Carbonate 81% Non-fibrous (other)	2% Chrysotile

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 10/25/2014 13:33:28



EMSL Analytical, Inc.

307 West 38th Street, New York, NY 10018
 Phone/Fax: (212) 290-0051 / (212) 290-0058
<http://www.EMSL.com> manhattanlab@emsl.com

EMSL Order: 031441026
 CustomerID: ATCE54
 CustomerPO: 14-061-0001A
 ProjectID:

Attn: **Ed Fennell**
Cardno ATC
290 Roberts Street
Suite 301
East Hartford, CT 06108

Phone: (860) 282-9924
 Fax: (860) 282-9826
 Received: 10/23/14 11:39 AM
 Analysis Date: 10/25/2014
 Collected: 10/21/2014

Project: 61.22573.0020 TASK 20068/ STATE OF CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ 36 SHORE RD. WATERFORD,

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-25A <i>031441026-0008</i>	3RD FLOOR CORRIDOR - MASTIC TO GRAY 9"X9" FLOOR TILE	Black Non-Fibrous Homogeneous	3% Cellulose 2% Glass	95% Non-fibrous (other)	None Detected
102114-25B <i>031441026-0009</i>	ROOM 303 - MASTIC TO GRAY 9"X9" FLOOR TILE	Tan/Black Non-Fibrous Heterogeneous		94% Non-fibrous (other)	6% Chrysotile
102114-25C <i>031441026-0010</i>	GROUND FLOOR/ MALE HELP DINING ROOM - MASTIC TO GRAY 9"X9" FLOOR TILE	Black Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected
102114-26A <i>031441026-0011</i>	2ND FLOOR/ SOUTH EAST OFFICE SPACE - GREEN 9"X9" FLOOR TILE	Green Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
102114-26B <i>031441026-0012</i>	2ND FLOOR/ SOUTH EAST OFFICE SPACE - GREEN 9"X9" FLOOR TILE	Green Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (other)	None Detected
102114-27A <i>031441026-0013</i>	2ND FLOOR/ SOUTH EAST OFFICE SPACE - BROWN MASTIC TO GREEN 9"X9" FLOOR TILE	Brown Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected

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 Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 10/25/2014 13:33:28

**EMSL Analytical, Inc.**

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

EMSL Order:	031441026
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CustomerPO:	14-061-0001A
ProjectID:	

Attn: **Ed Fennell**
Cardno ATC
290 Roberts Street
Suite 301
East Hartford, CT 06108

Phone: (860) 282-9924
 Fax: (860) 282-9826
 Received: 10/23/14 11:39 AM
 Analysis Date: 10/25/2014
 Collected: 10/21/2014

Project: 61.22573.0020 TASK 20068/ STATE OF CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ 36 SHORE RD. WATERFORD,

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-27B <i>031441026-0014</i>	2ND FLOOR/ SOUTH EAST OFFICE SPACE - BROWN MASTIC TO GREEN 9"X9" FLOOR TILE	Brown Non-Fibrous Homogeneous	2%	Cellulose	98% Non-fibrous (other) None Detected
102114-28A <i>031441026-0015</i>	ROOM 301 - RED 9"X9" FLOOR TILE	Red Non-Fibrous Homogeneous			40% Matrix 52% Non-fibrous (other) 8% Chrysotile
102114-28B <i>031441026-0016</i>	1ST FLOOR MAIN CORRIDOR - RED 9"X9" FLOOR TILE	Red Non-Fibrous Homogeneous			40% Matrix 48% Non-fibrous (other) 12% Chrysotile
102114-28C <i>031441026-0017</i>	BOYS RECREATION ROOM - RED 9"X9" FLOOR TILE	Red Non-Fibrous Homogeneous			25% Ca Carbonate 69% Non-fibrous (other) 6% Chrysotile
102114-29A <i>031441026-0018</i>	ROOM 301 - BLACK MASTIC TO RED 9"X9" FLOOR TILE	Black Non-Fibrous Homogeneous	4%	Cellulose	96% Non-fibrous (other) None Detected
102114-29B <i>031441026-0019</i>	1ST FLOOR MAIN CORRIDOR - BLACK MASTIC TO RED 9"X9" FLOOR TILE	Tan/Black Non-Fibrous Homogeneous	3%	Cellulose	97% Non-fibrous (other) <1% Chrysotile
102114-29C <i>031441026-0020</i>	BOYS RECREATION ROOM - BLACK MASTIC TO RED 9"X9" FLOOR TILE	Black Non-Fibrous Homogeneous	2%	Cellulose	98% Non-fibrous (other) None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 10/25/2014 13:33:28

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EMSL Order:	031441026
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Project: 61.22573.0020 TASK 20068/ STATE OF CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ 36 SHORE RD. WATERFORD,

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-30A <i>031441026-0021</i>	1ST FLOOR/ LINEN CLOSET - DARK TAN/ GRAY PATTERN 12"X12" FLOOR TILE	Tan Non-Fibrous Homogeneous		20% Ca Carbonate 77% Non-fibrous (other)	3% Chrysotile
102114-30B <i>031441026-0022</i>	1ST FLOOR/ LINEN CLOSET - DARK TAN/ GRAY PATTERN 12"X12" FLOOR TILE	Tan Non-Fibrous Homogeneous		28% Ca Carbonate 70% Non-fibrous (other)	2% Chrysotile
102114-31A <i>031441026-0023</i>	1ST FLOOR/ LINEN CLOSET - BLACK MASTIC TO DARK TAN/ GRAY PATTERN 12"X12" FLOOR TILE	Black/Yellow Non-Fibrous Heterogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected
Inseparable mastics					
102114-31B <i>031441026-0024</i>	1ST FLOOR/ LINEN CLOSET - BLACK MASTIC TO DARK TAN/ GRAY PATTERN 12"X12" FLOOR TILE	Black/Yellow Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
Inseparable mastics					
102114-32A <i>031441026-0025</i>	1ST FLOOR DOCTORS ASSEMBLY ROOM - GREEN MOTTLED 12"X12" FLOOR TILE	Blue Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (other)	None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-32B 031441026-0026	2ND FLOOR DIET KITCHEN - GREEN MOTTLED 12"X12" FLOOR TILE	Blue Non-Fibrous Homogeneous		22% Ca Carbonate 78% Non-fibrous (other)	None Detected
102114-33A 031441026-0027	1ST FLOOR DOCTORS ASSEMBLY ROOM - MASTIC TO GREEN MOTTLED FLOOR TILE	Brown/Black Non-Fibrous Homogeneous	5% Cellulose 2% Synthetic	91% Non-fibrous (other)	2% Chrysotile
Inseparable mastics					
102114-33B 031441026-0028	2ND FLOOR DIET KITCHEN - MASTIC TO GREEN MOTTLED FLOOR TILE	Brown Non-Fibrous Homogeneous	5% Cellulose 2% Synthetic	93% Non-fibrous (other)	None Detected
102114-34A 031441026-0029	1ST FLOOR WARD #3 - GREEN/YELLOW 12X12 FLOOR TILE	Green Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (other)	None Detected
102114-34B 031441026-0030	1ST FLOOR WARD #3 - GREEN/YELLOW 12X12 FLOOR TILE	Green Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (other)	None Detected
102114-35A 031441026-0031	1ST FLOOR WARD #3 - BLACK MASTIC TO GREEN/YELLOW FLOOR TILE	Black Non-Fibrous Homogeneous	5% Cellulose	89% Non-fibrous (other)	6% Chrysotile

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-35B <i>031441026-0032</i>	1ST FLOOR WARD #3 - BLACK MASTIC TO GREEN/YELLOW FLOOR TILE	Black Non-Fibrous Homogeneous	5% Cellulose	93% Non-fibrous (other)	2% Chrysotile
102114-36A <i>031441026-0033</i>	1ST FLOOR DRESSING ROOM - GRAY CHIPPED 12X12 FLOOR TILE	Gray/Tan Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (other)	None Detected
102114-36B <i>031441026-0034</i>	OBSERVATION ROOM - GRAY CHIPPED 12X12 FLOOR TILE	Gray/Tan Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (other)	None Detected
102114-37A <i>031441026-0035</i>	1ST FLOOR DRESSING ROOM - BLACK MASTIC TO GRAY CHIPPED FLOOR TILE	Black Non-Fibrous Homogeneous	6% Cellulose	4% Quartz 2% Mica 88% Non-fibrous (other)	None Detected
102114-37B <i>031441026-0036</i>	OBSERVATION ROOM - BLACK MASTIC TO GRAY CHIPPED FLOOR TILE	Black Non-Fibrous Homogeneous	5% Cellulose	5% Quartz 90% Non-fibrous (other)	None Detected
102114-38A <i>031441026-0037</i>	GROUND WHIRL POOL ROOM - TAN 12X12 FLOOR TILE	Tan Non-Fibrous Homogeneous		10% Ca Carbonate 88% Non-fibrous (other)	2% Chrysotile
102114-38B <i>031441026-0038</i>	GROUND WHIRL POOL ROOM - TAN 12X12 FLOOR TILE	Tan Non-Fibrous Homogeneous		8% Ca Carbonate 90% Non-fibrous (other)	2% Chrysotile

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-39A <i>031441026-0039</i>	GROUND WHIRL POOL ROOM - BLACK MASTIC TO TAN 12X12 FLOOR TILE	Brown/Black Non-Fibrous Heterogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected
Inseparable mastics					
102114-39B <i>031441026-0040</i>	GROUND WHIRL POOL ROOM - BLACK MASTIC TO TAN 12X12 FLOOR TILE	Brown/Black Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
Inseparable mastics					
102114-40A <i>031441026-0041</i>	1ST FLOOR/ NURSE - GRAY 12X12 FLOOR TILE	Gray Non-Fibrous Homogeneous		15% Ca Carbonate 82% Non-fibrous (other)	3% Chrysotile
102114-40B <i>031441026-0042</i>	1ST FLOOR/ NURSE - GRAY 12X12 FLOOR TILE	Gray/Tan Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
102114-41A <i>031441026-0043</i>	1ST FLOOR/ NURSE - YELLOW MASTIC TO GRAY 12X12 FLOOR TILE	Brown Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected
102114-41B <i>031441026-0044</i>	1ST FLOOR/ NURSE - YELLOW MASTIC TO GRAY 12X12 FLOOR TILE	Brown Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-42A 031441026-0045	1ST FLOOR/ OFFICE OF HEAD NURSE - TAN 12X12 FLOOR TILE	Tan Non-Fibrous Homogeneous		15% Ca Carbonate 83% Non-fibrous (other)	2% Chrysotile
102114-42B 031441026-0046	1ST FLOOR/ OFFICE OF HEAD NURSE - TAN 12X12 FLOOR TILE	Tan Non-Fibrous Homogeneous		28% Ca Carbonate 70% Non-fibrous (other)	2% Chrysotile
102114-43A 031441026-0047	1ST FLOOR/ OFFICE OF HEAD NURSE - YELLOW MASTIC TO TAN 12X12 FLOOR TILE	Brown Non-Fibrous Homogeneous	3% Cellulose	14% Ca Carbonate 83% Non-fibrous (other)	None Detected
102114-43B 031441026-0048	1ST FLOOR/ OFFICE OF HEAD NURSE - YELLOW MASTIC TO TAN 12X12 FLOOR TILE	Brown Non-Fibrous Homogeneous	2% Cellulose	13% Ca Carbonate 85% Non-fibrous (other)	None Detected
102114-44A 031441026-0049	1ST FLOOR/ OFFICE OF HEAD NURSE - BLACK MASTIC TO TAN 12X12 FLOOR TILE	Brown/Black Non-Fibrous Heterogeneous	2% Cellulose 1% Glass	5% Ca Carbonate 92% Non-fibrous (other)	None Detected

Inseparable mastics

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-44B <i>031441026-0050</i>	1ST FLOOR/ OFFICE OF HEAD NURSE - BLACK MASTIC TO TAN 12X12 FLOOR TILE	Brown/Black Non-Fibrous Homogeneous	3% Cellulose	4% Ca Carbonate 93% Non-fibrous (other)	None Detected
Inseparable mastics					
102114-45A <i>031441026-0051</i>	2ND FLOOR BATHROOM 206 - YELLOW BLUE SHEET FLOORING	Tan/White/Blue Non-Fibrous Homogeneous		6% Quartz 40% Matrix 54% Non-fibrous (other)	None Detected
102114-45B <i>031441026-0052</i>	1ST FLOOR WEST BATHROOM - YELLOW BLUE SHEET FLOORING	Tan/White/Blue Non-Fibrous Homogeneous		15% Quartz 45% Matrix 40% Non-fibrous (other)	None Detected
102114-46A <i>031441026-0053</i>	GROUND FLOOR/ KITCHEN - YELLOW SHEET FLOORING	Brown/Gray/Yello w Non-Fibrous Homogeneous		8% Quartz 10% Ca Carbonate 82% Non-fibrous (other)	None Detected
102114-46B <i>031441026-0054</i>	GROUND FLOOR DISHWASHING ROOM - YELLOW SHEET FLOORING	Brown/Gray Non-Fibrous Homogeneous		5% Quartz 15% Ca Carbonate 80% Non-fibrous (other)	None Detected
102114-47A <i>031441026-0055</i>	1ST FLOOR/ WARD #2 - TAN SHEET FLOORING SQUARE PATTERNS	Tan/White Fibrous Heterogeneous	12% Cellulose	68% Non-fibrous (other)	20% Chrysotile

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-47B <i>031441026-0056</i>	1ST FLOOR/ WARD #2 - TAN SHEET FLOORING SQUARE PATTERNS	Tan/White Non-Fibrous Homogeneous		85% Non-fibrous (other)	15% Chrysotile
102114-48A <i>031441026-0057</i>	1ST FLOOR/ WARD #2 - TAN SHEET FLOORING SQUARE PATTERNS/ MASTIC	Brown/Tan Non-Fibrous Heterogeneous	4% Cellulose	94% Non-fibrous (other)	2% Chrysotile
Result includes a small amount of inseparable attached material					
102114-48B <i>031441026-0058</i>	1ST FLOOR/ WARD #2 - TAN SHEET FLOORING SQUARE PATTERNS/ MASTIC	Brown/Tan Non-Fibrous Homogeneous	3% Cellulose	95% Non-fibrous (other)	2% Chrysotile
102114-49A <i>031441026-0059</i>	1ST FLOOR/ WARD #2 - TAN SHEET FLOORING/ LARGE SQUARE PATTERNS	Tan/White Fibrous Heterogeneous	5% Cellulose	77% Non-fibrous (other)	18% Chrysotile
102114-49B <i>031441026-0060</i>	1ST FLOOR/ WARD #2 - TAN SHEET FLOORING/ LARGE SQUARE PATTERNS	Tan/White Non-Fibrous Homogeneous		84% Non-fibrous (other)	16% Chrysotile

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-50A <i>031441026-0061</i>	1ST FLOOR/ WARD #2 - TAN SHEET FLOORING/ LARGE SQUARE PATTERNS MASTIC	Tan/Yellow Non-Fibrous Heterogeneous	4% Cellulose	91% Non-fibrous (other)	5% Chrysotile
Result includes a small amount of inseparable attached material					
102114-50B <i>031441026-0062</i>	1ST FLOOR/ WARD #2 - TAN SHEET FLOORING/ LARGE SQUARE PATTERNS MASTIC	Tan/Yellow Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
Result includes a small amount of inseparable attached material					
102114-51A <i>031441026-0063</i>	GROUND FLOOR DISHWASHING ROOM - GREEN CEMENTITIOUS FLOORING	Gray/Green Non-Fibrous Heterogeneous		45% Quartz 55% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					
102114-51B <i>031441026-0064</i>	GROUND FLOOR DISHWASHING ROOM - GREEN CEMENTITIOUS FLOORING	Gray/Green Non-Fibrous Homogeneous		35% Quartz 65% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					
102114-52A <i>031441026-0065</i>	1ST FLOOR/ WARD #2 - TAN SHEET FLOORING ROUND PATTERNS	Tan Fibrous Heterogeneous	10% Cellulose	75% Non-fibrous (other)	15% Chrysotile

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Project: 61.22573.0020 TASK 20068/ STATE OF CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ 36 SHORE RD. WATERFORD,

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-52B <i>031441026-0066</i>	1ST FLOOR/ WARD #2 - TAN SHEET FLOORING ROUND PATTERNS	Tan Non-Fibrous Homogeneous	8% Cellulose	80% Non-fibrous (other)	12% Chrysotile
102114-53A <i>031441026-0067</i>	1ST FLOOR/ WARD #2 - GRAY SHEET FLOORING	Tan Fibrous Heterogeneous	12% Cellulose	68% Non-fibrous (other)	20% Chrysotile
102114-53B <i>031441026-0068</i>	1ST FLOOR/ WARD #2 - GRAY SHEET FLOORING	Tan Non-Fibrous Homogeneous		82% Non-fibrous (other)	18% Chrysotile
102114-54A <i>031441026-0069</i>	1ST FLOOR/ WARD #2 - MASTIC TO TAN & GRAY SHEET FLOORING	Brown/Tan Non-Fibrous Heterogeneous	3% Cellulose	93% Non-fibrous (other)	4% Chrysotile
Result includes a small amount of inseparable attached material					
102114-54B <i>031441026-0070</i>	1ST FLOOR/ WARD #2 - MASTIC TO TAN & GRAY SHEET FLOORING	Brown/Tan Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
Result includes a small amount of inseparable attached material					
102114-54C <i>031441026-0071</i>	1ST FLOOR/ WARD #2 - MASTIC TO TAN & GRAY SHEET FLOORING	Brown/Tan Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
Result includes a small amount of inseparable attached material					

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-55A 031441026-0072	2ND FLOOR/ WARD #4 - GREEN SHEET FLOORING	Tan/Yellow/Green Fibrous Heterogeneous	12%	Cellulose	74% Non-fibrous (other) 14% Chrysotile
102114-55B 031441026-0073	2ND FLOOR/ WARD #4 - GREEN SHEET FLOORING	Tan Non-Fibrous Homogeneous			85% Non-fibrous (other) 15% Chrysotile
102114-56A 031441026-0074	2ND FLOOR/ WARD #4 - GREEN SHEET FLOORING BLACK MASTIC	Brown/Black Non-Fibrous Heterogeneous	6%	Cellulose	92% Non-fibrous (other) 2% Chrysotile
Result includes a small amount of inseparable attached material					
102114-56B 031441026-0075	2ND FLOOR/ WARD #4 - GREEN SHEET FLOORING BLACK MASTIC	Brown/Black Non-Fibrous Homogeneous			97% Non-fibrous (other) 3% Chrysotile
Result includes a small amount of inseparable attached material					
102114-57A 031441026-0076	1ST FLOOR/ WARD #1 - YELLOW SHEET FLOORING	Tan/Yellow Fibrous Heterogeneous	8%	Cellulose	79% Non-fibrous (other) 13% Chrysotile
102114-57B 031441026-0077	1ST FLOOR/ WARD #1 - YELLOW SHEET FLOORING	Tan Non-Fibrous Homogeneous			88% Non-fibrous (other) 12% Chrysotile
102114-58A 031441026-0078	1ST FLOOR/ WARD #1 - YELLOW SHEET FLOORING/ YELLOW MASTIC	Tan/Yellow Fibrous Heterogeneous	6%	Cellulose	89% Non-fibrous (other) 5% Chrysotile
Result includes a small amount of inseparable attached material					

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-58B <i>031441026-0079</i>	1ST FLOOR/ WARD #1 - YELLOW SHEET FLOORING/ YELLOW MASTIC	Tan Non-Fibrous Homogeneous		96% Non-fibrous (other)	4% Chrysotile
Result includes a small amount of inseparable attached material					
102114-59A <i>031441026-0080</i>	2ND FLOOR/ BATHROOM 223 - BROWN CERAMIC WALL/ GROUT	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (other)	None Detected
102114-59B <i>031441026-0081</i>	2ND FLOOR/ BATHROOM 223 - BROWN CERAMIC WALL/ GROUT	Gray Non-Fibrous Homogeneous		65% Ca Carbonate 35% Non-fibrous (other)	None Detected
102114-60A <i>031441026-0082</i>	2ND FLOOR/ BATHROOM 223 - BROWN CERAMIC WALL/ ADHESIVE	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
102114-60B <i>031441026-0083</i>	2ND FLOOR/ BATHROOM 223 - BROWN CERAMIC WALL/ ADHESIVE	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
102114-61A <i>031441026-0084</i>	2ND FLOOR/ BATHROOM 223 - BROWN CERAMIC FLOOR/ SETTING COMPOUND	Brown Non-Fibrous Homogeneous		55% Quartz 45% Non-fibrous (other)	None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-61B 031441026-0085	2ND FLOOR/ BATHROOM 223 - BROWN CERAMIC FLOOR/ SETTING COMPOUND	Gray Non-Fibrous Homogeneous		55% Quartz 45% Non-fibrous (other)	None Detected
102114-62A 031441026-0086	2ND FLOOR / WEST STORAGE - LIGHT BROWN CERAMIC FLOOR GROUT	Brown Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (other)	None Detected
102114-62B 031441026-0087	2ND FLOOR / WEST STORAGE - LIGHT BROWN CERAMIC FLOOR GROUT	Gray Non-Fibrous Homogeneous		52% Quartz 48% Non-fibrous (other)	None Detected
102114-63A 031441026-0088	2ND FLOOR/ EAST BATHROOM - DARK GRREN CERAMIC FLOORING GROUT	Brown Non-Fibrous Homogeneous		55% Quartz 45% Non-fibrous (other)	None Detected
102114-63B 031441026-0089	2ND FLOOR/ EAST BATHROOM - DARK GRREN CERAMIC FLOORING GROUT	Gray Non-Fibrous Homogeneous		55% Quartz 12% Ca Carbonate 33% Non-fibrous (other)	None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-64A 031441026-0090	2ND FLOOR/ EAST BATHROOM - DARK GREEN CERAMIC FLOORING SETTING COMPOUND	Brown Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (other)	None Detected
102114-64B 031441026-0091	2ND FLOOR/ EAST BATHROOM - DARK GREEN CERAMIC FLOORING SETTING COMPOUND	Gray Non-Fibrous Homogeneous		52% Quartz 48% Non-fibrous (other)	None Detected
102114-65A 031441026-0092	2ND FLOOR / PANTRY - BROWN CERAMIC FLOORING GROUT	Brown Non-Fibrous Homogeneous		54% Quartz 46% Non-fibrous (other)	None Detected
102114-65B 031441026-0093	2ND FLOOR / PANTRY - BROWN CERAMIC FLOORING GROUT	Gray Non-Fibrous Homogeneous		48% Quartz 52% Non-fibrous (other)	None Detected
102114-66A 031441026-0094	2ND FLOOR / KITCHEN - RED CERAMIC FLOORING GROUT	Brown Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-66B 031441026-0095	2ND FLOOR / KITCHEN - RED CERAMIC FLOORING GROUT	Gray Non-Fibrous Homogeneous		52% Quartz 48% Non-fibrous (other)	None Detected
102114-67A 031441026-0096	2ND FLOOR / KITCHEN - RED CERAMIC FLOORING SETTING COOMPOUND	Brown Non-Fibrous Homogeneous		60% Quartz 40% Non-fibrous (other)	None Detected
102114-67B 031441026-0097	2ND FLOOR / KITCHEN - RED CERAMIC FLOORING SETTING COOMPOUND	Gray Non-Fibrous Homogeneous		52% Quartz 48% Non-fibrous (other)	None Detected
102114-68A 031441026-0098	2ND FLOOR / WEST END BATHROOM - GREEN CERAMIC WALL GROUT	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (other)	None Detected
102114-68B 031441026-0099	2ND FLOOR / WEST END BATHROOM - GREEN CERAMIC WALL GROUT	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (other)	None Detected
102114-69A 031441026-0100	2ND FLOOR / WEST END BATHROOM - GREEN CERAMIC WALL ADHESIVE	Brown Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-69B <i>031441026-0101</i>	2ND FLOOR / WEST END BATHROOM - GREEN CERAMIC WALL ADHESIVE	Brown Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected
102114-70A <i>031441026-0102</i>	2ND FLOOR /WEST END BATHROOM - BLACK WATERPROOFING UNDER CERAMIC WALL	Black Non-Fibrous Homogeneous	3% Fibrous (other)	91% Non-fibrous (other)	6% Chrysotile
102114-70B <i>031441026-0103</i>	2ND FLOOR /WEST END BATHROOM - BLACK WATERPROOFING UNDER CERAMIC WALL	White/Black Non-Fibrous Homogeneous		96% Non-fibrous (other)	4% Chrysotile
102114-71A <i>031441026-0104</i>	GROUND FLOOR / MAIN CORRIDOR - BLOCK WALL GROUT	Brown/White Non-Fibrous Heterogeneous		48% Quartz 10% Ca Carbonate 42% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					
102114-71B <i>031441026-0105</i>	1ST FLOOR / WEST BATHROOM - BLOCK WALL GROUT	Brown/White Non-Fibrous Homogeneous		52% Quartz 12% Ca Carbonate 36% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-72A <i>031441026-0106</i>	3RD FLOOR WEST BATHRM / GREEN WHITE CERAMIC - FLOORING GROUT	Brown/White Non-Fibrous Heterogeneous		40% Quartz 22% Ca Carbonate 38% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					
102114-72B <i>031441026-0107</i>	GROUND FLOOR WOMENS BATHROOM / GREEN WHITE CERAMIC - FLOORING GROUT	Brown/White Non-Fibrous Homogeneous		45% Quartz 22% Ca Carbonate 33% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					
102114-73A <i>031441026-0108</i>	3RD FLOOR WEST BATHROOM/ GREEN/ WHITE CERAMIC - SETTING COMPOUND	Brown Non-Fibrous Homogeneous		55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected
102114-73B <i>031441026-0109</i>	GROUND FLOOR WOMENS BATHROOM/ GREEN WHITE CERAMIC - FLOORING SETTING COMPOUND	Brown Non-Fibrous Homogeneous		25% Quartz 75% Non-fibrous (other)	None Detected
102114-74A <i>031441026-0110</i>	BASEMENT BATHROOM / CERAMIC WALL GROUT	White Non-Fibrous Homogeneous		62% Ca Carbonate 38% Non-fibrous (other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 10/25/2014 13:33:28

**EMSL Analytical, Inc.**

307 West 38th Street, New York, NY 10018

Phone/Fax: (212) 290-0051 / (212) 290-0058

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

EMSL Order:	031441026
CustomerID:	ATCE54
CustomerPO:	14-061-0001A
ProjectID:	

Attn: **Ed Fennell**
Cardno ATC
290 Roberts Street
Suite 301
East Hartford, CT 06108

Phone: (860) 282-9924
 Fax: (860) 282-9826
 Received: 10/23/14 11:39 AM
 Analysis Date: 10/25/2014
 Collected: 10/21/2014

Project: 61.22573.0020 TASK 20068/ STATE OF CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ 36 SHORE RD. WATERFORD,

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-74B 031441026-0111	BASEMENT BATHROOM / CERAMIC WALL GROUT	White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (other)	None Detected
102114-75A 031441026-0112	BASEMENT BATHROOM / CERAMIC FLOORING SETTING - COMPOUND	Brown Non-Fibrous Homogeneous		30% Quartz 25% Ca Carbonate 45% Non-fibrous (other)	None Detected
102114-75B 031441026-0113	BASEMENT BATHROOM / CERAMIC FLOORING SETTING - COMPOUND	Gray Non-Fibrous Homogeneous		45% Quartz 15% Ca Carbonate 40% Non-fibrous (other)	None Detected
102114-76A 031441026-0114	BASEMENT BATHROOM / CERAMIC FLOORING GROUT	Brown Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (other)	None Detected
102114-76B 031441026-0115	BASEMENT BATHROOM / CERAMIC FLOORING GROUT	Brown Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (other)	None Detected
102114-77A 031441026-0116	BASEMENT BATHROOM / CERAMIC WALL ADHESIVE	Brown Non-Fibrous Homogeneous	2% Cellulose	15% Ca Carbonate 83% Non-fibrous (other)	None Detected
102114-77B 031441026-0117	BASEMENT BATHROOM / CERAMIC WALL ADHESIVE	Gray Non-Fibrous Homogeneous	3% Cellulose	12% Ca Carbonate 85% Non-fibrous (other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 10/25/2014 13:33:28

**EMSL Analytical, Inc.**

307 West 38th Street, New York, NY 10018

Phone/Fax: (212) 290-0051 / (212) 290-0058

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

EMSL Order:	031441026
CustomerID:	ATCE54
CustomerPO:	14-061-0001A
ProjectID:	

Attn: **Ed Fennell**
Cardno ATC
290 Roberts Street
Suite 301
East Hartford, CT 06108

Phone: (860) 282-9924
 Fax: (860) 282-9826
 Received: 10/23/14 11:39 AM
 Analysis Date: 10/25/2014
 Collected: 10/21/2014

Project: 61.22573.0020 TASK 20068/ STATE OF CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ 36 SHORE RD. WATERFORD,

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-78A 031441026-0118	GROUND FLOOR WHIRL FLOOR/ CERAMIC TILE GROUT	White Non-Fibrous Homogeneous		75% Ca Carbonate 25% Non-fibrous (other)	None Detected
102114-78B 031441026-0119	GROUND FLOOR WHIRL FLOOR/ CERAMIC TILE GROUT	Gray Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (other)	None Detected
102114-79A 031441026-0120	GROUND FLOOR WHIRL FLOOR/ CERAMIC TILE SETTING - COMPOUND	Brown Non-Fibrous Homogeneous		35% Quartz 3% Mica 23% Ca Carbonate 39% Non-fibrous (other)	<1% Chrysotile
102114-79B 031441026-0121	GROUND FLOOR WHIRL FLOOR/ CERAMIC TILE SETTING - COMPOUND	Gray Non-Fibrous Homogeneous		45% Quartz 12% Ca Carbonate 43% Non-fibrous (other)	<1% Chrysotile

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 10/25/2014 13:33:28



EMSL Analytical, Inc.

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EMSL Order: 031441026
CustomerID: ATCE54
CustomerPO: 14-061-0001A
ProjectID:

Attn: **Ed Fennell**
Cardno ATC
290 Roberts Street
Suite 301
East Hartford, CT 06108

Phone: (860) 282-9924
Fax: (860) 282-9826
Received: 10/23/14 11:39 AM
Analysis Date: 10/25/2014
Collected: 10/21/2014

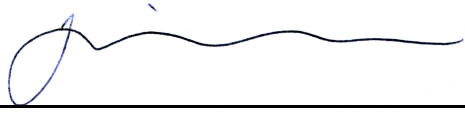
Project: 61.22573.0020 TASK 20068/ STATE OF CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ 36 SHORE RD. WATERFORD,

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

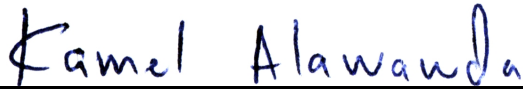
Report Comments:

Sample Receipt Date:: 10/23/2014 Sample Receipt Time: 11:39 AM
Analysis Completed Date: 10/25/2014 Analysis Completed Time: 12:22 PM

Analyst(s):




Jon Williams PLM (62)



Kamel Alawawda PLM (59)

Samples reviewed and approved by:



James Hall, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 10/25/2014 13:33:28



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Page 5 of 17

290 Roberts Street, Suite 301
East Hartford, CT 06108
(860) 282-9924 Fax: (860) 282-9826

BULK SAMPLE LOG

Cardno ATC Inspector:	W. Thompson / S. Szalay	Client Name:	State of CT DCS					
Accreditation No.:	000673 / 00493	Project No./Task No.:	61285730020 Task 20068					
Survey Date:	10/21/14	Project Manager:	Ed Fennell					
Signature:	<i>[Signature]</i>	Requested Completion Date:						
Lab Name:	EMSC	Requested turnaround time (circle)	3 HR 6 HR 24 HR 48 HR					
Building:	Hospital Building	Address:	Seaside Hospital Complex 36 Shore Rd Waterford CT					
Location	Material Description	Type S	TSI/MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of homogeneous material	Field Number
1st Floor Ward #2	Black 9"X9" Floor tile	MISC	MISC		N		1 2	102114-22A 22B
2nd Floor Main Corridor	Black mastic to black 9"X9" Floor tile	MISC	MISC		N		1 2	102114-23A 23B
1st Floor Ward #2	Black mastic to black 9"X9" Floor tile	MISC	MISC		N		1 3	102114-24A 24B
2nd Floor Main Corridor	Gray 9"X9" Floor tile	MISC	MISC		N		1 3	102114-25A 25B
1st Floor Corridor	Black mastic to gray 9"X9" Floor tile	MISC	MISC		N		1 3	102114-26A 26B
Room 303	Green 9"X9" Floor tile	MISC	MISC		N		1 2	102114-27A 27B
2nd Floor - Suite East	Brown mastic to green 9"X9" Floor tile	MISC	MISC		N		1 2	102114-28A 28B
2nd Floor - Suite East office space	Red 9"X9" Floor tile	MISC	MISC		N		1 3	102114-29A 29B
1st Floor Main Corridor	Black mastic to red 9"X9" Floor tile	MISC	MISC		N		1 3	102114-30A 30B
1st Floor Main Corridor	Dark tan/gray pattern to black floor tile	MISC	MISC		N		1 3	102114-31A 31B
1st Floor linen closet	Black mastic to dark tan/gray blue floor tile	MISC	MISC		N		1 2	102114-32A 32B

Comments:

Notes
 Damage Factors: Physical (sig dmg-dmg-no) Water (extensive-moderate-slight-none) Deterioration (heavy-moderate-light-none) Friability (yes-no: hard-mod-soft surface)
 Disturbance Factors: Proximity (<1ft, 1-6ft, >6ft) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct) Ventilation (yes-no: if yes, type) Air movement (high-moderate-low) Vibration (gym-music m-auditorium-mechanical m-elevator-other) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: *[Signature]* 10/25/14
 Received By/Date: *[Signature]* 10/23/14 11:39 AM

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6 of 11

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(860) 282-9924 Fax: (860) 282-9826

BULK SAMPLE LOG

Cardno ATC Inspector: W. Thompson / S. Szalcaj Client Name: State of CT DCS

Accreditation No.: 000673 / 000930 Project No./Task No.: 01 22573, 0006 Task 200068

Survey Date: 10/21/14 Project Manager: Ed Fennell

Signature: [Signature] Requested Completion Date: _____

Laboratory Name: EMSL Requested turnaround time (circle): 24 HR 48 HR 3 HR 6 HR 12 HR No. Samples Collected 20

Building: Hospital Building Address: Seaside Hospital Complex 36 Shore Road Waterford CT

Location	Material Description	Type S TSI	Estimated Quantity	Friable Y/N	Condition (SD D ND)	I Possible Reason for Damage	Potential (NPD PD PSD)	Sample of (homogeneous material)	Field Number
1st Floor - Green Mottled 12x12 Floor Tile	Green Mottled 12x12 Floor Tile	MISC		N				2	102114-39A
1st Floor - Green/Yellow Mastic to Green Mottled Floor Tile	Mastic to Green Mottled Floor Tile	MISC		N				2	102114-39B
1st Floor - Green/Yellow Mastic to Green/Yellow 12x12 Floor Tile	Green/Yellow 12x12 Floor Tile	MISC		N				2	102114-39C
1st Floor - Black Mastic to Green/Yellow Floor Tile	Black Mastic to Green/Yellow Floor Tile	MISC		N				2	102114-39D
1st Floor - Gray chipped 12x12 Floor Tile	Gray chipped 12x12 Floor Tile	MISC		N				2	102114-39E
1st Floor - Tan to Gray chipped Floor Tile	Tan to Gray chipped Floor Tile	MISC		N				2	102114-39F
1st Floor - Black Mastic to Tan 12x12 Floor Tile	Black Mastic to Tan 12x12 Floor Tile	MISC		N				2	102114-39G
1st Floor - Gray 12x12 Floor Tile	Gray 12x12 Floor Tile	MISC		N				2	102114-39H
1st Floor - Yellow Mastic to Gray 12x12 Floor Tile	Yellow Mastic to Gray 12x12 Floor Tile	MISC		N				2	102114-39I

Comments (inaccessible areas, etc.):

J 10/25/14
[Signature]

Notes:
Damage Factors: Physical (sig dmg-no dmg) Proximity (<1ft-1-6ft->6ft) Ventilation (yes-no; if yes, type)
Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct)
Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Air movement (high-moderate-low)
Friability (yes-no; hand-held) Samplers (perm air tight-enclosed-vented) Texture (rough-pitted-granular)

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Relinquished By/Date: [Signature]

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Page 7 of 17

290 Roberts Street, Suite 301
East Hartford, CT 06108
(860) 282-9924 Fax: (860) 282-9826

BULK SAMPLE LOG

Cardno ATC Inspector: W. Thompson / S. Szalay
 Accreditation No.: 000673 / 00493
 Survey Date: 10/21/14
 Signature: [Signature]
 Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR
 Building: Hospital Building Address: Swiss Hospital Complex, 36 Stone Rd, Waterford, CT
 Client Name: State of CT DCS
 Project No./Task No.: 01-02573-0020 Task today
 Project Manager: Ed Fenner
 Requested Completion Date: _____ No. Samples Collected 20

Location	Material Description	Type	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
Office - Office of Head Nurse	Tan 12x12 Floor tile	TSI MISC		N		2	102114-434
	Yellow Mastic to Tan 12x12 Floor tile	MISC		N		2	102114-434
	Black Mastic to Tan 12x12 Floor tile	MISC		N		2	102114-434
	Yellow Blue Sheet Flooring	MISC		N		2	102114-434
	Yellow Sheet Flooring	MISC		N		2	102114-434
	Tan Sheet Flooring Square Patterns	MISC		N		2	102114-434
	Tan Sheet Flooring Square Patterns - Mastic	MISC		N		2	102114-434
	Tan Sheet Flooring Large Square Patterns	MISC		N		2	102114-434
	Tan Sheet Flooring Large Square Patterns	MISC		N		2	102114-434
	Green Cementitious Flooring	MISC		N		2	102114-434

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Notes: _____
 Damage Factors: _____
 Disturbance Factors: _____
 Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none) _____
 Proximity (<1ft - 1-6ft - >6ft) _____
 Accessibility (within reach-barely reachable-not reachable) _____
 Air conduits (air plenum - air shaft - elevator shaft - duct) _____
 Ventilation (yes/no; if yes, type) _____
 Relinquished By/Date: [Signature] 10/23/14
 Relinquished By/Date: [Signature] 10/23/14
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Page 8 of 17

290 Roberts Street, Suite 301
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(860) 282-9924 Fax: (860) 282-9826

BULK SAMPLE LOG

Cardno ATC Inspector: W. Thompson / S. Szalay Client Name: State of CT DCS

Accreditation No.: 000673/00493 Project No./Task No.: 61.225730020 Task20068

Survey Date: 10/23/14 Project Manager: Ed Fenner II

Signature: [Signature] Requested Completion Date: _____

Lab Name: _____ Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR No. Samples Collected: 2

Building: Hospital Building Address: Seaside Hospital Complex - 36 Shore Rd. Waterford, CT

Location	Material Description	Type S	TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of homogeneous material	Field Number
1st Floor - Ward #2	tan sheet flooring with Round Patterns		MISC		N		2	102114-584
↓	Gray Sheet + Flooring						2	102114-585
2nd Floor - Ward #4	Mastic to tan & Gray Sheet Flooring						2	102114-586
↓	Green Sheet Flooring						2	102114-587
↓	Green Sheet Flooring Block Mastic						2	102114-588
↓	Yellow Sheet Flooring						2	102114-589
↓	Yellow sheet flooring - yellow Mastic						2	102114-590
↓	Brown Ceramic wall - Grout						2	102114-591
↓	Brown Ceramic wall Adhesive						2	102114-592
↓	Brown Ceramic Floor Setting Compound						2	102114-593

Comments: _____

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Notes

Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft-1-6ft->6ft) Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct) Degradation (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Friability (yes-no: hard-mod-soft surface) Barriers (perm air-tight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

Disturbance Factors: Ventilation (yes-no; if yes, type) Air movement (high-moderate-low)

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031441026
9 of 17

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BULK SAMPLE LOG

Cardno ATC Inspector: W Thompson / S Seeley
 Accreditation No.: 000673 / 00493
 Survey Date: 10/21/14
 Signature: *[Signature]*
 Laboratory Name: EMSL
 Client Name: State of CT DCS
 Project No./Task No.: 61-02573-000 Task 20068
 Project Manager: Ed Fenwick
 Requested Completion Date: _____
 Requested turnaround time (circle): 24 HR 48 HR 72 HR 120 HR
 3 HR 6 HR 12 HR 24 HR 36 HR 48 HR 60 HR 72 HR 84 HR 96 HR 108 HR 120 HR
 3 DY 5 DY 10 DY
 No. Samples Collected: 20
 Address: Seaside Hospital Campus - 36 Shore Rd Waterford CT

Location	Material Description	Type S TSI	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Possible Reason for Damage	Damage Potential (NPD PD PSD)	Sample of (homogeneous material)	Field Number
1st Floor West Staircase	Light Brown Ceramic Floor Grout	MISC		N				2	102114-624
1st Floor East Bathroom	Dark Green Ceramic Floor Grout	MISC		N				2	102114-631
1st Floor Kitchen	Dark Green Ceramic Floor Grout			N				2	102114-648
1st Floor Pantry	Settling Compound			N				2	102114-657
1st Floor Kitchen	Brown Ceramic Floor Grout			N				2	102114-658
1st Floor Kitchen	Red Ceramic Floor Grout			N				2	102114-665
1st Floor Kitchen	Red Ceramic Floor Grout			N				2	102114-670
1st Floor Kitchen	Green Ceramic Floor Grout			N				2	102114-682
1st Floor Kitchen	Green Ceramic Floor Grout			N				2	102114-688
1st Floor Kitchen	Black Water Proofing (Unibond)			N				2	102114-692
1st Floor Kitchen	Black Wall Grout			N				2	102114-700
1st Floor Kitchen	Black Wall Grout			N				2	102114-710
1st Floor Kitchen	Black Wall Grout			N				2	102114-718

Comments (inaccessible areas, etc.):
 Relinquished By/Date: *[Signature]* 10/21/14
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 Received By/Date: *[Signature]* 10/23/14

Notes:
 Damage Factors: Physical (sig ding-ding no ding), Proximity (<1ft, 1-6ft, >6ft), Ventilation (yes-no, if yes type)
 Disturbance Factors: Water (extensive-moderate-slight-none), Accessibility (within reach-barely reachable-not reachable), Air conduits (air plenum - air shaft - elevator shaft - duct)
 Environmental: Degradation (heavy-moderate-light-none), Vibration (gym-music rm-auditorium-mechanical rm-elevator-other), Air movement (high-moderate-low)
 Health: Friability (yes-no, hat-mod-sev), Barriers (perm airtight, non-perm, unsealed), Textures (rough-pitted-smooth)

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Page 10 of 17

BULK SAMPLE LOG

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Cardno ATC Inspector: W. Thompson/S. Szellag Client Name: CT P.E.S
 Accreditation No.: 00670/00493 Project No./Task No.: 6122573.002.0 T
 Survey Date: 10/21/14 Project Manager: EO FEARNELL
 Signature: [Signature] Requested Completion Date: _____
 Lab Name: EMS Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR
 Building: Hospital Building Address: SEASIDE HOSP COMPLEX - SHORE RD WATER FORT CT
 No. Samples Collected: 10

Location	Material Description	Type S TSI/MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of homogeneous material	Field Number
3rd Floor West Bathroom Ground Floor Women's Restroom	Green/white Ceramic Flooring Grout	MISC		N		1	102114-72A-72B
Basement Bathroom	Green/White Ceramic Flooring Setting Compound Ceramic Wall	MISC		N		2	102114-73A-73B
Basement Bathroom	Ceramic Flooring Setting Ceramic Floorings Grout					2	102114-74A-74B
Basement Floor - Janitor Pool	Ceramic Wall Ceramic Tile Grout					2	102114-75A-75B
	Ceramic Tile Setting Compound	MISC		N		2	102114-76A-76B
						2	102114-77A-77B
						2	102114-78A-78B
						2	102114-79A-79B

Comments: _____

Notes:
 Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft-1-6ft->6ft)
 Disturbance Factors: Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) All corridors (air plenum - air shaft - elevator shaft - other)
 Relinquished By/Date: [Signature] 10/22/14 Received By/Date: _____
 Relinquished By/Date: [Signature] 10/23/14 Received By/Date: _____

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

EMSL Order: 031441019

CustomerID: ATC62

CustomerPO: 11-81-0030

ProjectID:

Attn: **Cardno ATC**
73 William Franks Drive
West Springfield, MA 01089

Phone: (413) 781-0070
 Fax: (413) 781-3734
 Received: 10/23/14 11:36 AM
 Analysis Date: 10/25/2014
 Collected: 10/21/2014

Project: **61.22573.0020T/ CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ SHORE ROAD/ WATERFORT, CT**

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-80A 031441019-0001	1ST FLOOR - WOOD WALL PANEL	Brown Non-Fibrous Homogeneous		90% Non-fibrous (other)	10% Chrysotile
102114-80B 031441019-0002	1ST FLOOR - WOOD WALL PANEL	Gray Non-Fibrous Homogeneous		92% Non-fibrous (other)	8% Chrysotile
102114-81A 031441019-0003	2ND FLOOR WEST END BATHROOM - BLACK SINK UNDERCOATING	Black Non-Fibrous Homogeneous		92% Non-fibrous (other)	8% Chrysotile
102114-81B 031441019-0004	2ND FLOOR WEST END BATHROOM - BLACK SINK UNDERCOATING	Black Non-Fibrous Homogeneous		93% Non-fibrous (other)	7% Chrysotile
102114-81C 031441019-0005	2ND FLOOR KITCHEN - BLACK SINK UNDERCOATING	Black Non-Fibrous Homogeneous		94% Non-fibrous (other)	6% Chrysotile
102114-82A 031441019-0006	3RD FLOOR RESIDENTIAL SERVICES - BLACK SINK UNDERCOATING	Brown Non-Fibrous Homogeneous		88% Non-fibrous (other)	12% Chrysotile
102114-82B 031441019-0007	3RD FLOOR RESIDENTIAL SERVICES - BLACK SINK UNDERCOATING	Brown/Black Non-Fibrous Homogeneous		90% Non-fibrous (other)	10% Chrysotile
102114-83A 031441019-0008	DISHWASHING ROOM - WALL PANEL GLUE	Brown Non-Fibrous Homogeneous	10% Cellulose 10% Synthetic	80% Non-fibrous (other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 10/25/2014 08:59:25

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EMSL Order:	031441019
CustomerID:	ATC62
CustomerPO:	11-81-0030
ProjectID:	

Attn: **Cardno ATC**
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Project: **61.22573.0020T/ CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ SHORE ROAD/ WATERFORT, CT**

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-83B 031441019-0009	DISHWASHING ROOM - WALL PANEL GLUE	Brown/Gray/White Fibrous Homogeneous	46%	Cellulose	54% Non-fibrous (other) None Detected
102114-84A 031441019-0010	GROUND FLOOR STAFF ROOM - SINK UNDERCOATING	White Non-Fibrous Homogeneous	10%	Cellulose	15% Mica 10% Ca Carbonate 65% Non-fibrous (other) None Detected
102114-84B 031441019-0011	GROUND FLOOR STAFF ROOM - SINK UNDERCOATING	Tan/White Non-Fibrous Homogeneous			6% Mica 5% Ca Carbonate 35% Matrix 54% Non-fibrous (other) None Detected
102114-85A 031441019-0012	1ST FLOOR PANEL BOX - WIRE INSULATION	Brown/Black Fibrous Heterogeneous	75%	Cellulose	25% Non-fibrous (other) None Detected
102114-85B 031441019-0013	1ST FLOOR PANEL BOX - WIRE INSULATION	Gray/Black Fibrous Homogeneous	90%	Cellulose	10% Non-fibrous (other) None Detected
102114-86A 031441019-0014	GROUND FLOOR PANEL BOX - WIRE INSULATION	Tan/Pink Fibrous Homogeneous	90%	Cellulose	10% Non-fibrous (other) None Detected
102114-86B 031441019-0015	GROUND FLOOR PANEL BOX - WIRE INSULATION	Gray/Tan Fibrous Homogeneous	92%	Cellulose	8% Non-fibrous (other) None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-87A 031441019-0016	DISHWASHING ROOM/ WALL PANEL BOX - ELECTRICAL PANEL INSULATION	Black Fibrous Homogeneous	65%	Cellulose	35% Non-fibrous (other) None Detected
102114-87B 031441019-0017	DISHWASHING ROOM/ FLOOR PANEL BOX - ELECTRICAL PANEL INSULATION	Black Non-Fibrous Homogeneous			70% Matrix 30% Non-fibrous (other) None Detected
102114-88A 031441019-0018	MALE HELP DINING ROOM/ FLOOR PANEL BOX - WIRE INSULATION	Tan/Green Fibrous Heterogeneous	40%	Cellulose	60% Non-fibrous (other) None Detected
102114-88B 031441019-0019	MALE HELP DINING ROOM/ FLOOR PANEL BOX - WIRE INSULATION	Gray Non-Fibrous Homogeneous	35%	Cellulose	25% Matrix 40% Non-fibrous (other) None Detected
102114-89A 031441019-0020	1ST FLOOR - MORTAR FOR SOAP STONE WINDOW SILL	Brown Non-Fibrous Homogeneous			10% Quartz 90% Non-fibrous (other) None Detected
102114-89B 031441019-0021	1ST FLOOR - MORTAR FOR SOAP STONE WINDOW SILL	Gray Non-Fibrous Homogeneous			5% Quartz 5% Ca Carbonate 90% Non-fibrous (other) None Detected
102114-90A 031441019-0022	2ND FLOOR WARD #4 - BROWN COVEBASE ADHESIVE	Brown Non-Fibrous Homogeneous	1%	Cellulose	99% Non-fibrous (other) None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-90B 031441019-0023	2ND FLOOR WARD #4 - BROWN COVEBASE ADHESIVE	Gray Non-Fibrous Homogeneous		5% Matrix 95% Non-fibrous (other)	None Detected
102114-91A 031441019-0024	EXTERIOR - EXTERIOR METAL DOOR INSULATION	Brown/Gray Fibrous Homogeneous	97% Cellulose	3% Non-fibrous (other)	None Detected
102114-91B 031441019-0025	EXTERIOR - EXTERIOR METAL DOOR INSULATION	Brown Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected
102114-92A 031441019-0026	1ST FOOR BATHROOM NEAR DINING ROOM - WALL/FLOOR COVERING	Tan/White/Green Non-Fibrous Heterogeneous		2% Mica 25% Ca Carbonate 73% Non-fibrous (other)	None Detected
102114-92B 031441019-0027	1ST FOOR BATHROOM NEAR DINING ROOM - WALL/FLOOR COVERING	White Non-Fibrous Homogeneous		65% Ca Carbonate 35% Non-fibrous (other)	None Detected
102114-93A 031441019-0028	1ST FOOR BATHROOM NEAR DINING ROOM - WALL/FLOOR COVERING MASTIC	Tan/White Non-Fibrous Homogeneous	2% Cellulose	10% Ca Carbonate 88% Non-fibrous (other)	None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-93B <i>031441019-0029</i>	1ST FOOR BATHROOM NEAR DINING ROOM - WALL/FLOOR COVERING MASTIC	Tan/Green Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (other)	None Detected
102114-94A <i>031441019-0030</i>	1ST FLOOR/ DOCTOR'S ASSEMBLE ROOM - DAMPROOFING TAR	Brown/Black Non-Fibrous Homogeneous	2% Cellulose	15% Quartz 2% Mica 81% Non-fibrous (other)	None Detected
102114-94B <i>031441019-0031</i>	EAST STAIRWELL - DAMPROOFING TAR	Brown/Black Non-Fibrous Homogeneous	3% Cellulose	10% Quartz 87% Non-fibrous (other)	None Detected
102114-94C <i>031441019-0032</i>	WEST STAIRWELL - DAMPROOFING TAR	Black Non-Fibrous Homogeneous	2% Fibrous (other)	35% Matrix 63% Non-fibrous (other)	None Detected
102114-95A <i>031441019-0033</i>	1ST FLOOR - ADHESIVE UNDER SLATE WINDOW SILL	White Non-Fibrous Homogeneous	3% Fibrous (other)	97% Non-fibrous (other)	None Detected
102114-95B <i>031441019-0034</i>	1ST FLOOR - ADHESIVE UNDER SLATE WINDOW SILL	White/Black Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (other)	None Detected
102114-96A <i>031441019-0035</i>	ROOM 303 - MUDDDED INSULATION ON PIPE FITTING	White Fibrous Homogeneous		40% Ca Carbonate 11% Non-fibrous (other)	35% Chrysotile 6% Amosite 8% Crocidolite

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

Sample	Description	Appearance	Non-Asbestos		Asbestos	
			% Fibrous	% Non-Fibrous	%	Type
102114-96B 031441019-0036	GROUND FLOOR/ MALE HELP DINING ROOM - MUDDLED INSULATION ON PIPE FITTING	Gray Fibrous Homogeneous	26%	Min. Wool	15% Ca Carbonate 59% Non-fibrous (other)	<1% Chrysotile
102114-96C 031441019-0037	GROUND FLOOR/ NURSE'S DINING - MUDDLED INSULATION ON PIPE FITTING	Gray Non-Fibrous Homogeneous	65%	Min. Wool	31% Non-fibrous (other)	None Detected
102114-97A 031441019-0038	ROOM 303 - PIPE INSULATION	White Fibrous Homogeneous			40% Ca Carbonate 29% Non-fibrous (other)	26% Chrysotile 5% Amosite
102114-97B 031441019-0039	CLOSET BY LAUNDRY ROOM - PIPE INSULATION	White Fibrous Homogeneous			40% Ca Carbonate 23% Non-fibrous (other)	12% Chrysotile 25% Amosite
102114-97C 031441019-0040	NORTH ENTRANCE - PIPE INSULATION	White Fibrous Homogeneous			50% Non-fibrous (other)	35% Chrysotile 15% Amosite
102114-98A 031441019-0041	BASEMENT - CORRUGATED PIPE INSULATION	Gray Fibrous Homogeneous	38%	Cellulose	12% Non-fibrous (other)	50% Chrysotile
102114-98B 031441019-0042	BASEMENT - CORRUGATED PIPE INSULATION	Gray Fibrous Homogeneous			45% Non-fibrous (other)	55% Chrysotile

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-99A 031441019-0043	1ST FLOOR/ DOCTOR'S ASSEMBLE ROOM - CORRUGATED INSULATION AT RADIATORS	Gray/Tan Fibrous Homogeneous	30%	Cellulose	15% Non-fibrous (other) 55% Chrysotile
102114-99B 031441019-0044	1ST FLOOR/ DOCTOR'S ASSEMBLE ROOM - CORRUGATED INSULATION AT RADIATORS	Tan Fibrous Homogeneous	50%	Cellulose	12% Non-fibrous (other) 38% Chrysotile
102114-99C 031441019-0045	3RD FLOOR CORRIDOR EAST END - CORRUGATED INSULATION AT RADIATORS	Gray Fibrous Homogeneous			55% Non-fibrous (other) 45% Chrysotile
102114-100A 031441019-0046	MALE HELP DINING ROOM - PIPE WRAP ON FIBERGLASS INSULATION	Gray/Tan Fibrous Homogeneous	98%	Cellulose	2% Non-fibrous (other) None Detected
102114-100B 031441019-0047	MALE HELP DINING ROOM - PIPE WRAP ON FIBERGLASS INSULATION	Gray/Tan Fibrous Homogeneous	65%	Cellulose	35% Non-fibrous (other) None Detected
102114-101A 031441019-0048	BOILER ROOM INCINERATOR - FIREBRICK MORTAR	Brown Non-Fibrous Homogeneous			45% Quartz 18% Ca Carbonate 37% Non-fibrous (other) None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-101B 031441019-0049	BOILER ROOM INCINERATOR - FIREBRICK MORTAR	Gray/Tan Fibrous Homogeneous		60% Quartz 40% Non-fibrous (other)	None Detected
102114-102A 031441019-0050	BOILER ROOM INCINERATOR - FIREBRICK	Brown Non-Fibrous Homogeneous	3% Min. Wool	30% Quartz 25% Ca Carbonate 42% Non-fibrous (other)	<1% Chrysotile
Possible surface contamination					
102114-102B 031441019-0051	BOILER ROOM INCINERATOR - FIREBRICK	Gray Non-Fibrous Homogeneous	2% Cellulose	75% Quartz 23% Non-fibrous (other)	None Detected
102114-103A 031441019-0052	BOILER ROOM - BREECHING INSULATION	Tan/White Fibrous Homogeneous	15% Cellulose	20% Ca Carbonate 14% Non-fibrous (other)	45% Chrysotile 6% Crocidolite
102114-103B 031441019-0053	BOILER ROOM - BREECHING INSULATION	White Fibrous Homogeneous		40% Ca Carbonate 10% Non-fibrous (other)	45% Chrysotile 5% Crocidolite
102114-103C 031441019-0054	BOILER ROOM - BREECHING INSULATION	Gray/White Fibrous Homogeneous		44% Non-fibrous (other)	50% Chrysotile 6% Crocidolite
102114-104A 031441019-0055	BOILER ROOM - TANK INSULATION	Tan Fibrous Homogeneous	22% Min. Wool	20% Ca Carbonate 58% Non-fibrous (other)	None Detected
102114-104B 031441019-0056	BOILER ROOM - TANK INSULATION	Gray Fibrous Homogeneous	4% Synthetic 24% Min. Wool	2% Mica 20% Ca Carbonate 50% Non-fibrous (other)	None Detected
102114-104C 031441019-0057	BASEMENT - TANK INSULATION	Gray Fibrous Homogeneous		60% Non-fibrous (other)	40% Chrysotile

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Project: **61.22573.0020T/ CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ SHORE ROAD/ WATERFORT, CT**

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-105A <i>031441019-0058</i>	BOILER ROOM - BOILER GASKET	White/Silver Fibrous Heterogeneous	94% Min. Wool	6% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					
102114-105B <i>031441019-0059</i>	BOILER ROOM - BOILER GASKET	Gray/White Fibrous Homogeneous	65% Min. Wool	35% Non-fibrous (other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 10/25/2014 08:59:25



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EMSL Order: 031441019
CustomerID: ATC62
CustomerPO: 11-81-0030
ProjectID:

Attn: **Cardno ATC**
73 William Franks Drive
West Springfield, MA 01089

Phone: (413) 781-0070
Fax: (413) 781-3734
Received: 10/23/14 11:36 AM
Analysis Date: 10/25/2014
Collected: 10/21/2014

Project: **61.22573.0020T/ CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ SHORE ROAD/ WATERFORT, CT**

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date:: 10/23/2014 Sample Receipt Time: 11:36 AM
Analysis Completed Date: 10/25/2014 Analysis Completed Time: 8:35 AM

Analyst(s):

Henry Akintunde PLM (26)

Jon Williams PLM (33)

Samples reviewed and approved by:

James Hall, Laboratory Manager
or other approved signatory

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Initial report from 10/25/2014 08:59:25



Shaping the Future

BULK SAMPLE LOG

Page 1 of 17

290 Roberts Street, Suite 301
East Hartford, CT 06108
(860) 282-9924 Fax: (860) 282-9826

031441019

Cardno ATC Inspector: W. Thompson/S. Szellag	Client Name: CT DCS							
Accreditation No.: 00670/00493	Project No./Task No.: 61.22573.0020 T							
Survey Date: 10/21/14	Project Manager: ED FENMELL							
Signature: S Szellag	Requested Completion Date:							
Lab Name:	Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR No. Samples Collected 21							
Building: Hospital Building	Address: SEASIDE HOSP COMPLEX - SHORE RD WATERFORD							
Location	Material Description	Type S	TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
1st Floor - West End	Wood wall panel	MISC			N		2	102-114-004
2nd Floor - West End	Black sink undercoating	MISC			N		3	102-114-005
2nd Floor - West End	Brown sink undercoating	MISC			N		2	102-114-006
Dishwashing Room	Wall panel Glue	MISC			N		2	102-114-007
Ground Floor - Site Offices	Sink undercoating	MISC			N		2	102-114-008
1st Floor Panel Box	Wire insulation	MISC			N		2	102-114-009
Ground Floor Panel Box	Wire insulation				N		2	102-114-010
Dishwashing Room - Wall Panel Box	Electrical Panel Insulation				N		2	102-114-011
Dishwashing Room - Floor Panel Box	Wire insulation				N		2	102-114-012
Main Help Dining Room - Panel Box	Wire insulation	MISC			N		2	102-114-013

Comments:

10/25/14

Notes	Physical (sig dmg-dmg-no dmg)	Water (extensive-moderate-slight-none)	Deterioration (heavy-moderate-light-none)	Reliability (yes-no; hard-mod-soft surface)
Damage Factors:	Proximity (<1ft-1-6ft->6ft)	Accessibility (within reach-barely reachable-not reachable)	Vibration (gym-music rm-auditorium-mechanical rm-elevators-other)	Barriers (perm airtight-enclosed-encapsulated)
Disturbance Factors:	Ventilation (yes-no...if yes, elevator shaft - duct)	Air conduits (air plenum - air shaft - elevator shaft - duct)	Air movement (high-moderate-low)	Texture (rough-pitted-moderate-smooth)

HA 10/25
8:42AM

Relinquished By/Date: **[Signature]**
Relinquished By/Date: **10/22/14**
Received By/Date: **93 Bios Exhaust 10/23/14 11:36 AM**



BULK SAMPLE LOG

Page 13 of 17
 290 Roberts Street, Suite 301
 East Hartford, CT 06108
 (860) 282-9924 Fax: (860) 282-9826

031441019

Cardno ATC Inspector: W. Thompson/S. Szelag Client Name: CT PCS
 Accreditation No.: 00673 / 00493 Project No./Task No.: 61.22573.0020T
 Survey Date: 10/21/14 Project Manager: ED FEAMELL
 Signature: [Signature] Requested Completion Date: _____
 Lab Name: EMSL Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR
 No. Samples Collected: 10

Building: Hospital Building Address: SEASIDE HOSP COMPLEX - SHORE RD WATER FORT CT

Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of homogeneous material	Field Number
Boiler Room - Assembly	Corrugated Insulation @ Radiators	TSI		N		2	102114-105A
Boiler Room - Incinerator	Pipe wrap on fiberglass insulation	MISC		N		2	102114-105B
Boiler Room - Incinerator	Fire Brick Mortar	MISC		N		2	102114-105C
Boiler Room	Fire Brick	MISC		N		2	102114-105D
Boiler Room	Breaching Insulation	TSI		Y		3	102114-105E
Boiler Room	Tank Insulation	TSI		Y		3	102114-105F
Boiler Room	Boiler Gasket	MISC		N		2	102114-105G

Comments: _____

Relinquished By/Date: [Signature] 10/25/14
 Received By/Date: [Signature] 10/23/14 11:37AM

Notes:
 Damage Factors: Physical (sig dmg-dmg-no) Water (extensive-moderate-slight-none)
 Disturbance Factors: Proximity (<ft-1.6ft->6ft) Accessibility (within reach-barely reachable-not reachable) Air Conduits (air plenum - air shaft - elevator shaft - duct)
 Reliability (yes-no: hard-mod-soft surface)
 Barriers (perm airtight-enclosed-encapsulated)
 Texturing (rough-pitted-moderate-smooth)

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EMSL Order:	031441020
CustomerID:	ATCE54
CustomerPO:	14-061-0001A
ProjectID:	

Attn: **Ed Fennell**
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Phone: (860) 282-9924
 Fax: (860) 282-9826
 Received: 10/23/14 11:47 AM
 Analysis Date: 10/25/2014
 Collected: 10/21/2014

Project: 61.22573.0020 T/ CT DCS/ SEASIDE HOSP. COMPLEX/ SHORE RD. WATER FORT, CT

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-106A 031441020-0001	EXTERIOR - ALUMINUM STORM WINDOW CAULKING	White Non-Fibrous Homogeneous		80% Ca Carbonate 18% Non-fibrous (other)	2% Chrysotile
102114-106B 031441020-0002	EXTERIOR - ALUMINUM STORM WINDOW CAULKING	White Non-Fibrous Homogeneous		44% Ca Carbonate 54% Non-fibrous (other)	2% Chrysotile
102114-107A 031441020-0003	NURSES DINING ROOM - INTERIOR WINDOW GLAZING/ ALUMINUM WINDOWS	Gray Non-Fibrous Homogeneous		40% Ca Carbonate 25% Non-fibrous (other)	35% Chrysotile
102114-107B 031441020-0004	1ST FL WARD #2 - INTERIOR WINDOW GLAZING/ ALUMINUM WINDOWS	Gray Non-Fibrous Homogeneous		30% Ca Carbonate 30% Non-fibrous (other)	40% Chrysotile
102114-107C 031441020-0005	2ND FL WARD #4 - INTERIOR WINDOW GLAZING/ ALUMINUM WINDOWS	Gray Non-Fibrous Homogeneous		41% Ca Carbonate 49% Non-fibrous (other)	10% Chrysotile
102114-108A 031441020-0006	NURSES DINING ROOM - INTERIOR WINDOW CAULKING/ ALUMINUM WINDOWS	Gray Non-Fibrous Homogeneous		5% Quartz 40% Ca Carbonate 55% Non-fibrous (other)	None Detected

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Initial report from 10/25/2014 08:42:22

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ProjectID:	

Attn: **Ed Fennell**
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Suite 301
East Hartford, CT 06108

Phone: (860) 282-9924
 Fax: (860) 282-9826
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 Analysis Date: 10/25/2014
 Collected: 10/21/2014

Project: 61.22573.0020 T/ CT DCS/ SEASIDE HOSP. COMPLEX/ SHORE RD. WATER FORT, CT

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-108B 031441020-0007	1ST FL WARD #2 - INTERIOR WINDOW CAULKING/ ALUMINUM WINDOWS	Gray/Tan Non-Fibrous Homogeneous		60% Ca Carbonate 35% Non-fibrous (other)	5% Chrysotile
102114-108C 031441020-0008	2ND FL SOUTHWEST OFFICE AREA - INTERIOR WINDOW CAULKING/ ALUMINUM WINDOWS	White Non-Fibrous Homogeneous		34% Ca Carbonate 58% Non-fibrous (other)	8% Chrysotile
102114-109A 031441020-0009	1ST FL/ LARGE EAST END ROOM - INTERIOR WINDOW CAULKING/ WOOD WINDOWS	White Non-Fibrous Homogeneous		75% Ca Carbonate 25% Non-fibrous (other)	None Detected
102114-109B 031441020-0010	1ST FL/ LARGE EAST END ROOM - INTERIOR WINDOW CAULKING/ WOOD WINDOWS	White Non-Fibrous Homogeneous		57% Ca Carbonate 43% Non-fibrous (other)	None Detected
102114-110A 031441020-0011	EXTERIOR/ WEST END - EXTERIOR WINDOW GLAZING/ VINYL WINDOWS	White/Yellow Non-Fibrous Homogeneous	10% Glass	70% Ca Carbonate 10% Matrix 10% Non-fibrous (other)	None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-110B 031441020-0012	EXTERIOR/ SOUTH END - EXTERIOR WINDOW GLAZING/ VINYL WINDOWS	White Non-Fibrous Homogeneous		63% Ca Carbonate 37% Non-fibrous (other)	None Detected
102114-111A 031441020-0013	EXTERIOR/ WEST END - EXTERIOR WINDOW GLAZING/ WOOD WINDOWS	Tan/White Non-Fibrous Homogeneous	5% Fibrous (other)	65% Ca Carbonate 30% Non-fibrous (other)	None Detected
102114-111B 031441020-0014	EXTERIOR/ NORTH END - EXTERIOR WINDOW GLAZING/ WOOD WINDOWS	White Non-Fibrous Homogeneous		65% Ca Carbonate 35% Non-fibrous (other)	None Detected
102114-112A 031441020-0015	EXTERIOR/ EAST END - EXTERIOR WINDOW CAULKING/ WOOD WINDOWS	Tan Non-Fibrous Homogeneous	15% Fibrous (other)	30% Ca Carbonate 55% Non-fibrous (other)	<1% Anthophyllite <1% Chrysotile
102114-112B 031441020-0016	EXTERIOR/ WEST END - EXTERIOR WINDOW CAULKING/ WOOD WINDOWS	Gray Non-Fibrous Homogeneous		32% Ca Carbonate 66% Non-fibrous (other)	2% Chrysotile <1% Anthophyllite

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Project: 61.22573.0020 T/ CT DCS/ SEASIDE HOSP. COMPLEX/ SHORE RD. WATER FORT, CT

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-113A 031441020-0017	EXTERIOR/ NORTH END - EXTERIOR DOOR CAULKING/ WOOD DOOR SYSTEM	Gray Non-Fibrous Homogeneous	5% Fibrous (other)	20% Ca Carbonate 75% Non-fibrous (other)	None Detected
TEM Recommended,					
102114-113B 031441020-0018	EXTERIOR/ EAST END - EXTERIOR DOOR CAULKING/ WOOD DOOR SYSTEM	Gray Non-Fibrous Homogeneous		32% Ca Carbonate 68% Non-fibrous (other)	None Detected
102114-114A 031441020-0019	EXTERIOR/ WEST END - EXTERIOR DOOR CAULKING/ METAL DOOR SYSTEM	Gray Non-Fibrous Homogeneous		65% Ca Carbonate 35% Non-fibrous (other)	None Detected
102114-114B 031441020-0020	EXTERIOR/ EAST END - EXTERIOR DOOR CAULKING/ METAL DOOR SYSTEM	Gray Non-Fibrous Homogeneous		43% Matrix 57% Non-fibrous (other)	None Detected
102114-115A 031441020-0021	EXTERIOR @ CANOPY SUPPORT COLUMNS/ WEST END - BUILDING CAULKING	Gray Non-Fibrous Homogeneous		70% Ca Carbonate 24% Non-fibrous (other)	6% Chrysotile

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-115B 031441020-0022	EXTERIOR @ CANOPY SUPPORT COLUMNS/ WEST END - BUILDING CAULKING	Gray Non-Fibrous Homogeneous		34% Ca Carbonate 63% Non-fibrous (other)	3% Chrysotile
102114-116A 031441020-0023	2ND FL SOUTH - INTERIOR WINDOW CAULKING/ WOOD WINDOWS	Gray Non-Fibrous Homogeneous	10% Glass	70% Ca Carbonate 20% Non-fibrous (other)	None Detected
102114-116B 031441020-0024	2ND FL SOUTH - INTERIOR WINDOW CAULKING/ WOOD WINDOWS	Gray Non-Fibrous Homogeneous		65% Ca Carbonate 35% Non-fibrous (other)	None Detected
102114-117A 031441020-0025	REAR/ EAST - DOOR FRAME CAULKING/ METAL DOOR SYSTEM	Gray Non-Fibrous Homogeneous	3% Fibrous (other)	20% Matrix 77% Non-fibrous (other)	None Detected
TEM Recommended					
102114-117B 031441020-0026	REAR/ EAST - DOOR FRAME CAULKING/ METAL DOOR SYSTEM	Gray Non-Fibrous Homogeneous		23% Ca Carbonate 47% Matrix 30% Non-fibrous (other)	None Detected
102114-118A 031441020-0027	ATTIC - LOOSE INSULATION FILL	Brown Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-118B <i>031441020-0028</i>	ATTIC - LOOSE INSULATION FILL	Brown Fibrous Homogeneous	87%	Cellulose	13% Non-fibrous (other) None Detected
102114-119A <i>031441020-0029</i>	ATTIC - VERMICULITE	Brown/Tan Fibrous Heterogeneous	70%	Cellulose	10% Non-fibrous (other) 20% Vermiculite None Detected
102114-119B <i>031441020-0030</i>	ATTIC - VERMICULITE	Brown/Tan Fibrous Homogeneous	15%	Cellulose	35% Non-fibrous (other) 50% Vermiculite None Detected
102114-119C <i>031441020-0031</i>	ATTIC - VERMICULITE	Brown Non-Fibrous Homogeneous			64% Non-fibrous (other) 36% Vermiculite None Detected
102114-120A <i>031441020-0032</i>	STAIRWELL - FIRE DOOR WINDOW GLAZING	Black Non-Fibrous Homogeneous			70% Ca Carbonate 28% Non-fibrous (other) 2% Chrysotile
102114-120B <i>031441020-0033</i>	STAIRWELL - FIRE DOOR WINDOW GLAZING	Black Non-Fibrous Homogeneous			48% Ca Carbonate 50% Non-fibrous (other) 2% Chrysotile

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Initial report from 10/25/2014 08:42:22



EMSL Analytical, Inc.

307 West 38th Street, New York, NY 10018
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<http://www.EMSL.com> manhattanlab@emsl.com

EMSL Order: 031441020
CustomerID: ATCE54
CustomerPO: 14-061-0001A
ProjectID:

Attn: **Ed Fennell**
Cardno ATC
290 Roberts Street
Suite 301
East Hartford, CT 06108

Phone: (860) 282-9924
Fax: (860) 282-9826
Received: 10/23/14 11:47 AM
Analysis Date: 10/25/2014
Collected: 10/21/2014

Project: 61.22573.0020 T/ CT DCS/ SEASIDE HOSP. COMPLEX/ SHORE RD. WATER FORT, CT

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date:: 10/23/2014 Sample Receipt Time: 11:47 AM
Analysis Completed Date: 10/25/2014 Analysis Completed Time: 7:36 AM

Analyst(s):

Emmanuel Alberto PLM (15)

Yolanda Chow PLM (18)

Samples reviewed and approved by:

James Hall, Laboratory Manager
or other approved signatory

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Initial report from 10/25/2014 08:42:22

BULK SAMPLE LOG

290 Roberts Street, Suite 301
East Hartford, CT 06108
(860) 282-9924 Fax: (860) 282-9826

Shaping the Future

Cardno ATC Inspector: W. Thompson/S. Szelag Client Name: CT PCS
 Accreditation No.: 00673 / 00493 Project No./Task No.: 61.22573.002.0 T
 Survey Date: 5 Sep/14 Project Manager: ED FEAMELL
 Signature: [Signature] Requested Completion Date: 22
 Lab Name: 5 Sep/14 Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR
 No. Samples Collected: 22

Building: SEASIDE HOSP COMPLEX - SHORE RD WATER FORT Address: SEASIDE HOSP COMPLEX - SHORE RD WATER FORT

Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of homogeneous material	Field Number
Exterior	Aluminum Storm Windows Cawking	MISC		N		1 a	102114-106A 106B
Wines Dining Room 2nd Floor - Ward # 4	Interior Window Glazing (Aluminum windows)	MISC		N		1 m	102114-107A 107B
Wines Dining Room 2nd Floor - Ward # 2	Interior Window Glazing (Aluminum windows)	MISC		N		1 m	102114-108A 108B
1st Floor - Large East End Room	Interior Window Glazing (Wood windows)	MISC		N		1 m	102114-109A 109B
Exterior - West End	Exterior Window Glazing (Vinyl windows)	MISC		N		1 m	102114-110A 110B
Exterior - South End	Exterior Window Glazing (Wood windows)	MISC		N		1 m	102114-111A 111B
Exterior - West End	Exterior Window Glazing (Wood windows)	MISC		N		1 m	102114-112A 112B
Exterior - North End	Exterior Window Glazing (Wood windows)	MISC		N		1 m	102114-113A 113B
Exterior - East End	Exterior Window Glazing (Wood windows)	MISC		N		1 m	102114-114A 114B
Exterior - West End	Exterior Window Glazing (Wood windows)	MISC		N		1 m	102114-115A 115B
Exterior - East End	Exterior Window Glazing (Wood windows)	MISC		N		1 m	102114-116A 116B
Exterior - West End	Exterior Window Glazing (Wood windows)	MISC		N		1 m	102114-117A 117B
Exterior - East End	Exterior Window Glazing (Wood windows)	MISC		N		1 m	102114-118A 118B
Exterior - West End	Exterior Window Glazing (Wood windows)	MISC		N		1 m	102114-119A 119B
Exterior - East End	Exterior Window Glazing (Wood windows)	MISC		N		1 m	102114-120A 120B
Exterior - West End	Exterior Window Glazing (Wood windows)	MISC		N		1 m	102114-121A 121B
Exterior - East End	Exterior Window Glazing (Wood windows)	MISC		N		1 m	102114-122A 122B
Exterior - West End	Exterior Window Glazing (Wood windows)	MISC		N		1 m	102114-123A 123B
Exterior - East End	Exterior Window Glazing (Wood windows)	MISC		N		1 m	102114-124A 124B
Exterior - West End	Exterior Window Glazing (Wood windows)	MISC		N		1 m	102114-125A 125B
Exterior - East End	Exterior Window Glazing (Wood windows)	MISC		N		1 m	102114-126A 126B
Exterior - West End	Exterior Window Glazing (Wood windows)	MISC		N		1 m	102114-127A 127B
Exterior - East End	Exterior Window Glazing (Wood windows)	MISC		N		1 m	102114-128A 128B
Exterior - West End	Exterior Window Glazing (Wood windows)	MISC		N		1 m	102114-129A 129B
Exterior - East End	Exterior Window Glazing (Wood windows)	MISC		N		1 m	102114-130A 130B

Comments: Support Columns - weathered

Notes: Manhattan Lab RECEIVED

Damage Factors: Water (extensive-moderate-slight-none) Deterioration (heavy-moderate-light-none)
Physical (sig dmg-dmg-no) Accessibility (within reach-barely) Vibration (sym-music m-audio/low-mechanical m-elevator-other)
Proximity (<1ft - 1-6ft - >6ft) Accessible-not reachable) Air movement (high-moderate-low)
 Ventilation (yes-no; if yes, type) Air condullis (air plenum - air shaft - elevator shaft - duct)

Disturbance Factors: Enabillity (yes-no; hard-mod-soft surface)
Barriers (perm airtight-enclosed-en-accumulated)
Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: [Signature] Received By/Date: 10/23/14 11:47am
 Relinquished By/Date: [Signature] Received By/Date: 10/23/14 11:47am

Relinquished By/Date: [Signature] Received By/Date: 10/24/14 5:59PM
 Relinquished By/Date: [Signature] Received By/Date: 10/25/14 7:40am

BULK SAMPLE LOG

290 Roberts Street, Suite 301
East Hartford, CT 06108
(860) 282-9924 Fax: (860) 282-9826

031441020

Cardno ATC Inspector: W. Thompson/S. Szellag Client Name: CT PCS
 Accreditation No.: 00670 / 60493 Project No./Task No.: 6122573.0020 T
 Survey Date: _____ Project Manager: EO FENMELL
 Signature: J Saff/44 Requested Completion Date: _____
 Lab Name: _____ Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR
 Building: Hospital Building Address: SEASIDE HOSP COMPLEX - SHORE RD WATERFORD CT
 No. Samples Collected: _____

Location	Material Description	Type	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of homogeneous material	Field Number
2nd Floor South	Interior Window Casings (wood windows)	TSI MISC		N		2 2	102114-116A
Rear-East	Door Frame Casings (wood)	MISC		N		2 2	102114-117A
ATTIC	Loose Insulation Fill	MISC		N		2 2	102114-118A
Stairwell	Vermiculite	MISC		N		2 3	102114-119A
	Fire Door Window Glazing	MISC		N		2 2	102114-120A

EMSL MANHATTAN LAB
RECEIVED
14 OCT 23 AM 11:47

Notes: _____
 Damage Factors: _____
 Disturbance Factors: _____
 Relinquished By/Date: [Signature]
 Relinquished By/Date: [Signature]
 Received By/Date: [Signature]
 Received By/Date: [Signature]
 Relinquished By/Date: [Signature]
 Relinquished By/Date: [Signature]

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CustomerID:	ATCE54
CustomerPO:	14-061-0001
ProjectID:	

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East Hartford, CT 06108

Phone: (860) 282-9924
 Fax: (860) 282-9826
 Received: 10/23/14 11:53 AM
 Analysis Date: 10/25/2014
 Collected: 10/21/2014


Project: 61.22573.0020T/ CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ SHORE ROAD/ WATERFORT, CT

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-121A <i>031441009-0001</i>	LOW SOUTHWEST ROOF - TAR PAPER	Black Non-Fibrous Heterogeneous	15% Cellulose	55% Matrix 30% Non-fibrous (other)	None Detected
102114-121B <i>031441009-0002</i>	LOW SOUTHEAST ROOF - TAR PAPER	Black Non-Fibrous Heterogeneous	10% Cellulose	65% Matrix 25% Non-fibrous (other)	None Detected
102114-121C <i>031441009-0003</i>	LOW SOUTH ROOF - TAR PAPER	Brown/Black Non-Fibrous Homogeneous	20% Cellulose	45% Matrix 35% Non-fibrous (other)	None Detected
102114-122A <i>031441009-0004</i>	LOW SOUTHEAST ROOF - PERIMETER FLASHING	Black Non-Fibrous Homogeneous		93% Non-fibrous (other)	7% Chrysotile
102114-122B <i>031441009-0005</i>	LOW SOUTHWEST ROOF - PERIMETER FLASHING	Black Non-Fibrous Homogeneous		78% Non-fibrous (other)	22% Chrysotile
102114-123A <i>031441009-0006</i>	LOW SOUTH ROOF - PENETRATION FLASHING	Black Non-Fibrous Heterogeneous		88% Non-fibrous (other)	12% Chrysotile
102114-123B <i>031441009-0007</i>	LOW SOUTH ROOF - PENETRATION FLASHING	Black Non-Fibrous Homogeneous		82% Non-fibrous (other)	18% Chrysotile

Analyst(s)

 Jessica Fearon-Brown (22)
 Shhrakur Mahmud (20)



 James Hall, Laboratory Manager
 or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 10/25/2014 20:06:34

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EMSL Order:	031441009
CustomerID:	ATCE54
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Attn: **Ed Fennell**
Cardno ATC
290 Roberts Street
Suite 301
East Hartford, CT 06108

Phone: (860) 282-9924
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 Received: 10/23/14 11:53 AM
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Project: 61.22573.0020T/ CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ SHORE ROAD/ WATERFORT, CT

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-124A <i>031441009-0008</i>	SOUTHWEST PITCHED ROOF - TAR PAPER	Black Non-Fibrous Heterogeneous		85% Non-fibrous (other)	15% Chrysotile
102114-124B <i>031441009-0009</i>	SOUTHEAST PITCHED ROOF - TAR PAPER	Brown/Black Non-Fibrous Homogeneous		88% Non-fibrous (other)	12% Chrysotile
102114-125A <i>031441009-0010</i>	LOW SOUTHEAST ROOF - ASPHALT PAPER COMPOSITE (ROOF FIELD)	Black Non-Fibrous Heterogeneous		80% Matrix 18% Non-fibrous (other)	2% Chrysotile
102114-125B <i>031441009-0011</i>	LOW SOUTHWEST ROOF - ASPHALT PAPER COMPOSITE (ROOF FIELD)	Brown/Black Non-Fibrous Homogeneous	10% Cellulose	66% Matrix 2% Perlite 22% Non-fibrous (other)	None Detected
102114-125C <i>031441009-0012</i>	LOW SOUTH ROOF - ASPHALT PAPER COMPOSITE (ROOF FIELD)	Brown/Black Non-Fibrous Homogeneous	15% Cellulose	55% Matrix 30% Non-fibrous (other)	None Detected

Analyst(s)

Jessica Fearon-Brown (22)
Shhrakur Mahmud (20)



 James Hall, Laboratory Manager
 or other approved signatory

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CustomerID:	ATCE54
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Attn: **Ed Fennell**
Cardno ATC
290 Roberts Street
Suite 301
East Hartford, CT 06108

Phone: (860) 282-9924
 Fax: (860) 282-9826
 Received: 10/23/14 11:53 AM
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Project: 61.22573.0020T/ CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ SHORE ROAD/ WATERFORT, CT

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-126A <i>031441009-0013</i>	LOW SOUTHEAST ROOF - BROWN INSULATION	Brown Fibrous Heterogeneous	56% Cellulose	20% Perlite 24% Non-fibrous (other)	None Detected
102114-126B <i>031441009-0014</i>	LOW SOUTHWEST ROOF - BROWN INSULATION	Brown/Black Fibrous Heterogeneous	65% Cellulose	26% Perlite 9% Non-fibrous (other)	None Detected
102114-126C <i>031441009-0015</i>	LOW SOUTH ROOF - BROWN INSULATION	Brown Fibrous Homogeneous	62% Cellulose	25% Perlite 13% Non-fibrous (other)	None Detected
102114-127A <i>031441009-0016</i>	KITCHEN ROOF AT AIR HANDLER UNIT - CAULKING	Gray Non-Fibrous Heterogeneous		25% Ca Carbonate 75% Non-fibrous (other)	None Detected
102114-127B <i>031441009-0017</i>	KITCHEN ROOF AT AIR HANDLER UNIT - CAULKING	Gray Non-Fibrous Homogeneous		70% Matrix 30% Non-fibrous (other)	None Detected
102114-128A <i>031441009-0018</i>	KITCHEN ROOF/ NORTH EAST ROOF (LOW) - BROWN INSULATION	Brown Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (other)	None Detected
102114-128B <i>031441009-0019</i>	KITCHEN ROOF/ NORTH EAST ROOF (LOW) - BROWN INSULATION	Brown Fibrous Heterogeneous	85% Cellulose	15% Non-fibrous (other)	None Detected

Analyst(s)

 Jessica Fearon-Brown (22)
 Shahrakur Mahmud (20)



 James Hall, Laboratory Manager
 or other approved signatory

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Project: 61.22573.0020T/ CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ SHORE ROAD/ WATERFORT, CT

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-128C 031441009-0020	KITCHEN ROOF/ NORTH EAST ROOF (LOW) - BROWN INSULATION	Brown Non-Fibrous Homogeneous	55% Cellulose	45% Non-fibrous (other)	None Detected
102114-129A 031441009-0021	KITCHEN ROOF/ NORTH EAST ROOF (LOW) - PARAPET WALL FLASHING	Black Non-Fibrous Heterogeneous		16% Quartz 79% Non-fibrous (other)	5% Chrysotile
102114-129B 031441009-0022	KITCHEN ROOF/ NORTH EAST ROOF (LOW) - PARAPET WALL FLASHING	Black Non-Fibrous Homogeneous	15% Cellulose	75% Non-fibrous (other)	10% Chrysotile
102114-130A 031441009-0023	KITCHEN ROOF/ NORTH EAST ROOF (LOW) - PENETRATION FLASHING	Black Non-Fibrous Heterogeneous		98% Non-fibrous (other)	2% Chrysotile
102114-130B 031441009-0024	KITCHEN ROOF/ NORTH EAST ROOF (LOW) - PENETRATION FLASHING	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
102114-131A 031441009-0025	KITCHEN ROOF AT AIR HANDLER UNIT - VIBRATION CLOTH	Black Fibrous Heterogeneous	30% Glass	70% Non-fibrous (other)	None Detected

Analyst(s)

 Jessica Fearon-Brown (22)
 Shhrakur Mahmud (20)



 James Hall, Laboratory Manager
 or other approved signatory

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Project: 61.22573.0020T/ CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ SHORE ROAD/ WATERFORT, CT

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-131B 031441009-0026	KITCHEN ROOF AT AIR HANDLER UNIT - VIBRATION CLOTH	Gray/Black Fibrous Homogeneous	85% Glass	15% Non-fibrous (other)	None Detected
102114-132A 031441009-0027	KITCHEN ROOF/ NORTH EAST ROOF (LOW) - ASPHALT PAPER COMPOSITE (ROOF FIELD)	Black Non-Fibrous Heterogeneous		55% Matrix 45% Non-fibrous (other)	None Detected
102114-132B 031441009-0028	KITCHEN ROOF/ NORTH EAST ROOF (LOW) - ASPHALT PAPER COMPOSITE (ROOF FIELD)	Brown/Black Non-Fibrous Homogeneous	25% Cellulose	40% Matrix 35% Non-fibrous (other)	None Detected
102114-133A 031441009-0029	KITCHEN ROOF/ NORTH EAST ROOF (LOW) - BUILDING CAULKING	Gray Non-Fibrous Heterogeneous		50% Ca Carbonate 46% Non-fibrous (other)	4% Chrysotile
102114-133B 031441009-0030	KITCHEN ROOF/ NORTH EAST ROOF (LOW) - BUILDING CAULKING	Gray Non-Fibrous Homogeneous	10% Fibrous (other)	85% Non-fibrous (other)	5% Chrysotile

Analyst(s)

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 Shahrakur Mahmud (20)



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 Collected: 10/21/2014


Project: 61.22573.0020T/ CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ SHORE ROAD/ WATERFORT, CT

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-134A <i>031441009-0031</i>	KITCHEN ROOF/ NORTH EAST ROOF (LOW) - TOP TAR	Black Non-Fibrous Homogeneous		88% Matrix 12% Non-fibrous (other)	None Detected
102114-134B <i>031441009-0032</i>	KITCHEN ROOF/ NORTH EAST ROOF (LOW) - TOP TAR	Black Non-Fibrous Homogeneous	20% Cellulose	67% Matrix 13% Non-fibrous (other)	None Detected
102114-135A <i>031441009-0033</i>	KITCHEN ROOF/ NORTH EAST ROOF (LOW) - TOP LAYER ASPHALT PAPER COMPOSITE	Black Non-Fibrous Heterogeneous		60% Matrix 40% Non-fibrous (other)	None Detected
102114-135B <i>031441009-0034</i>	KITCHEN ROOF/ NORTH EAST ROOF (LOW) - TOP LAYER ASPHALT PAPER COMPOSITE	Black Non-Fibrous Homogeneous		65% Matrix 35% Non-fibrous (other)	None Detected
102114-136A <i>031441009-0035</i>	KITCHEN ROOF/ NORTH EAST ROOF (LOW) - MIDDLE LAYER ASPHALT PAPER COMPOSITE	Black Fibrous Homogeneous	36% Cellulose	60% Matrix 4% Non-fibrous (other)	None Detected

Analyst(s)

Jessica Fearon-Brown (22)
Shhtrakur Mahmud (20)



 James Hall, Laboratory Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 10/25/2014 20:06:34



EMSL Analytical, Inc.

307 West 38th Street, New York, NY 10018

Phone/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com>

manhattanlab@emsl.com

EMSL Order:	031441009
CustomerID:	ATCE54
CustomerPO:	14-061-0001
ProjectID:	

Attn: **Ed Fennell**
Cardno ATC
290 Roberts Street
Suite 301
East Hartford, CT 06108

Phone: (860) 282-9924
 Fax: (860) 282-9826
 Received: 10/23/14 11:53 AM
 Analysis Date: 10/25/2014
 Collected: 10/21/2014


Project: 61.22573.0020T/ CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ SHORE ROAD/ WATERFORT, CT

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-136B 031441009-0036	KITCHEN ROOF/ NORTH EAST ROOF (LOW) - MIDDLE LAYER ASPHALT PAPER COMPOSITE	Black Non-Fibrous Homogeneous	18% Cellulose	82% Non-fibrous (other)	None Detected
102114-137A 031441009-0037	KITCHEN ROOF/ NORTH EAST ROOF (LOW) - BOTTOM LAYER ASPHALT PAPER COMPOSITE	Black Non-Fibrous Heterogeneous		78% Matrix 22% Non-fibrous (other)	None Detected
102114-137B 031441009-0038	KITCHEN ROOF/ NORTH EAST ROOF (LOW) - BOTTOM LAYER ASPHALT PAPER COMPOSITE	Black Non-Fibrous Homogeneous	5% Cellulose	75% Matrix 20% Non-fibrous (other)	None Detected
102114-138A 031441009-0039	KITCHEN ROOF/ NORTH EAST ROOF (LOW) - FLASHING TAR	Black Non-Fibrous Heterogeneous		67% Matrix 20% Non-fibrous (other)	13% Chrysotile
102114-138B 031441009-0040	KITCHEN ROOF/ NORTH EAST ROOF (LOW) - FLASHING TAR	Black Non-Fibrous Homogeneous		93% Non-fibrous (other)	7% Chrysotile

Analyst(s)

 Jessica Fearon-Brown (22)
 Shahrakur Mahmud (20)



 James Hall, Laboratory Manager
 or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 10/25/2014 20:06:34

**EMSL Analytical, Inc.**

307 West 38th Street, New York, NY 10018

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CustomerID:	ATCE54
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ProjectID:	

Attn: **Ed Fennell**
Cardno ATC
290 Roberts Street
Suite 301
East Hartford, CT 06108

Phone: (860) 282-9924
 Fax: (860) 282-9826
 Received: 10/23/14 11:53 AM
 Analysis Date: 10/25/2014
 Collected: 10/21/2014


Project: 61.22573.0020T/ CT DCS/ HOSPITAL BUILDING/ SEASIDE HOSPITAL COMPLEX/ SHORE ROAD/ WATERFORT, CT

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102114-139A <i>031441009-0041</i>	KITCHEN ROOF/ NORTH EAST ROOF (LOW) - ROOF DRAIN TAR	Black Non-Fibrous Heterogeneous		60% Matrix 36% Non-fibrous (other)	4% Chrysotile
102114-139B <i>031441009-0042</i>	KITCHEN ROOF/ NORTH EAST ROOF (LOW) - ROOF DRAIN TAR	Black Non-Fibrous Homogeneous		65% Matrix 27% Non-fibrous (other)	8% Chrysotile

Analyst(s)

Jessica Fearon-Brown (22)
Shhrakur Mahmud (20)



 James Hall, Laboratory Manager
 or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 10/25/2014 20:06:34

BULK SAMPLE LOG

Cardno ATC Inspector: W. Thompson/S. Szellag Client Name: CT PCS
 Accreditation No.: 00673 / 100493 Project No./Task No.: 61.22573.0020 T
 Survey Date: 10/21/14 Project Manager: ED FENMELL
 Signature: S Szellag Requested Completion Date: _____
 Lab Name: ENS Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR No. Samples Collected: 29
 3 DY 5 DY

Building: Hospital Building Address: SEASIDE HOSP COMPLEX - SHORE RD WATER FORT CT

Location	Material Description	Type S	TSI/MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
Low South West Roof	Tar Paper		MISC		N		2	102114-21A
Low South East Roof	Perimeter Flashing				N		3	1212
Low South West Roof	Penetration Flashing				N		2	1223
Low South West Roof	Penetration Flashing				N		2	1233
Low South West Pitched Roof	Tar Paper				N		2	1243
Low South East Roof	Asphalt Paper Composite				N		3	1253
Low South West Roof	Brown Insulation				N		3	1263
Low South East Roof	Caulking				N		2	1273
Low South West Roof	Brown Insulation				N		3	1283
Kitchen 2nd @	Parapet Wall Flashing				N		2	1293
Kitchen Roof	Penetration Flashing				N		2	1303
North East Roof (new)					N		2	1313

Comments:

Notes
 Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft-1-6ft->6ft) Water (extensive-moderate-slight-none) Deterioration (heavy-moderate-light-none)
 Disturbance Factors: Ventilation (yes-no; if yes, type) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Air movement (high-moderate-low)
 Friability (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: W. Thompson 10/22/14 Received By/Date: JB 10/25/14 2:44P
 Relinquished By/Date: W. Thompson 10/21/14 8PM Received By/Date: JB 10/23/14 11:53AM



Shaping the Future

BULK SAMPLE LOG

0314410009

290 Roberts Street, Suite 301
East Hartford, CT 06108
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: W. Thompson/S. Szellag Client Name: CT PCS
 Accreditation No.: 00673 / 00493 Project No./Task No.: 61.22573.002.0 T
 Survey Date: 10/21/14 Project Manager: ED FENNEL
 Signature: [Signature] Requested Completion Date: _____
 Lab Name: EMSL Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR No. Samples Collected: 18
 Building: Hospital Building Address: SEASIDE Hosp complex - SHORE RD WATER-FORT CT

Location	Material Description	Type S TSI/MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of homogeneous material	Field Number
Kitchen Roofer	Vibration cloth	MISC				2	102114-131A
Kitchen Roofer	Asphalt Paper Composite	MISC				2	102114-133A
Kitchen Roof	Building Caulking	MISC				2	102114-133B
Low Northeast Roof	Top Tar	MISC				2	102114-134A
	Top layer Asphalt paper composite					2	102114-135A
	Middle layer Asphalt paper composite					2	102114-136A
	Bottom layer Asphalt paper composite					2	102114-137A
Low Northeast Roof	Flashing tar					2	102114-138A
	Roof Drain Tar	MISC				2	102114-139A

Comments:

Notes:
 Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none)
 Disturbance Factors: Proximity (<1ft -1-6ft->6ft) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct) Ventilation (yes-no; if yes, type)
 Relinquished By/Date: [Signature] 10/22/14 Received By/Date: _____
 Relinquished By/Date: _____ Received By/Date: _____

EMSL MANHATTAN LAB RECEIVED
 14 OCT 23 AM 11:53
 Relinquished By/Date: [Signature] 10/23/14 11:53am
 Received By/Date: [Signature] 11/15/14 11:53am

APPENDIX A
LICENSE AND CERTIFICATION

0002404 FP **PRSRT T8 0 1664 06108
STANLEY SZELAG
290 ROBERTS ST STE 301
ATC ASSOCIATES
EAST HARTFORD CT 06108-3656

Dear Licensed/Certified Professional,
Attached you will find your validated license/certification for the coming year. Should you have any questions about your license/certificate renewal, please do not hesitate to write or call:

Department of Public Health (860) 509-7603
P.O. Box 340308
M.S.#12MQA
Hartford, CT 06134-0308
<http://www.dph.state.ct.us>

Sincerely,



JEWEL MULLEN, MD, MPH, MPA, COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

INSTRUCTIONS:

1. Detach and sign each of the cards on this form.
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.

4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT
THE INDIVIDUAL NAMED BELOW IS LICENSED
BY THIS DEPARTMENT AS A
ASBESTOS CONSULTANT-INSPECTOR

LICENSE NO.
000493
CURRENT THROUGH
01/31/15
VALIDATION NO.
03-697205

STANLEY SZELAG



SIGNATURE



COMMISSIONER

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME

STANLEY SZELAG

VALIDATION NO.
03-697205

LICENSE NO.
000493
CURRENT THROUGH
01/31/15

PROFESSION

ASBESTOS CONSULTANT-INSPECTOR



COMMISSIONER

WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME

STANLEY SZELAG

VALIDATION NO.
03-697205

LICENSE NO.
000493
CURRENT THROUGH
01/31/15

PROFESSION

ASBESTOS CONSULTANT-INSPECTOR



SIGNATURE



COMMISSIONER

CERTIFICATE OF ACHIEVEMENT

This certifies that

Stanley Szelag

has successfully completed the
Asbestos Site Inspector Refresher Training
Asbestos Accreditation Under TSCA Title II
40 CFR Part 763

conducted by

Cardno ATC
73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070

Gregory J. Mosach

Principal Instructor

April 17, 2014

Date of Course

April 17, 2015

Expiration Date

Gregory J. Mosach

Regional Manager

SIAR-4859

Certificate Number

April 17, 2014

Examination Date

INSTRUCTIONS:

- 1. Detach and sign each of the cards on this form.
- 2. Display the large card in a prominent place in your office or place of business.
- 3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.

4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT
THE INDIVIDUAL NAMED BELOW IS LICENSED
BY THIS DEPARTMENT AS A

ASBESTOS CONSULTANT-INSPECTOR

WILLIE L. THOMPSON

LICENSE NO.
000673
CURRENT THROUGH
08/31/14
VALIDATION NO.
03-637397

Janet Muller
COMMISSIONER

SIGNATURE

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
WILLIE L. THOMPSON

VALIDATION NO. 03-637397 LICENSE NO. 000673 CURRENT THROUGH 08/31/14

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

Janet Muller
COMMISSIONER

SIGNATURE

WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
WILLIE L. THOMPSON

VALIDATION NO. 03-637397 LICENSE NO. 000673 CURRENT THROUGH 08/31/14

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

Janet Muller
COMMISSIONER

SIGNATURE

CERTIFICATE OF ACHIEVEMENT

This certifies that

Willie L. Thompson, III

has successfully completed the
**Asbestos Site Inspector Refresher Training
Asbestos Accreditation Under TSCA Title II
40 CFR Part 763**

conducted by

**Cardno ATC
73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070**

Edward Kolodziej

Principal Instructor: Edward Kolodziej

January 23, 2014

Date of Course

January 23, 2015

Expiration Date

Gregory J. March

Regional Manager: Gregory Mörtsch

SIAR-4760

Certificate Number

January 23, 2014

Examination Date

APPENDIX B
DRAWINGS

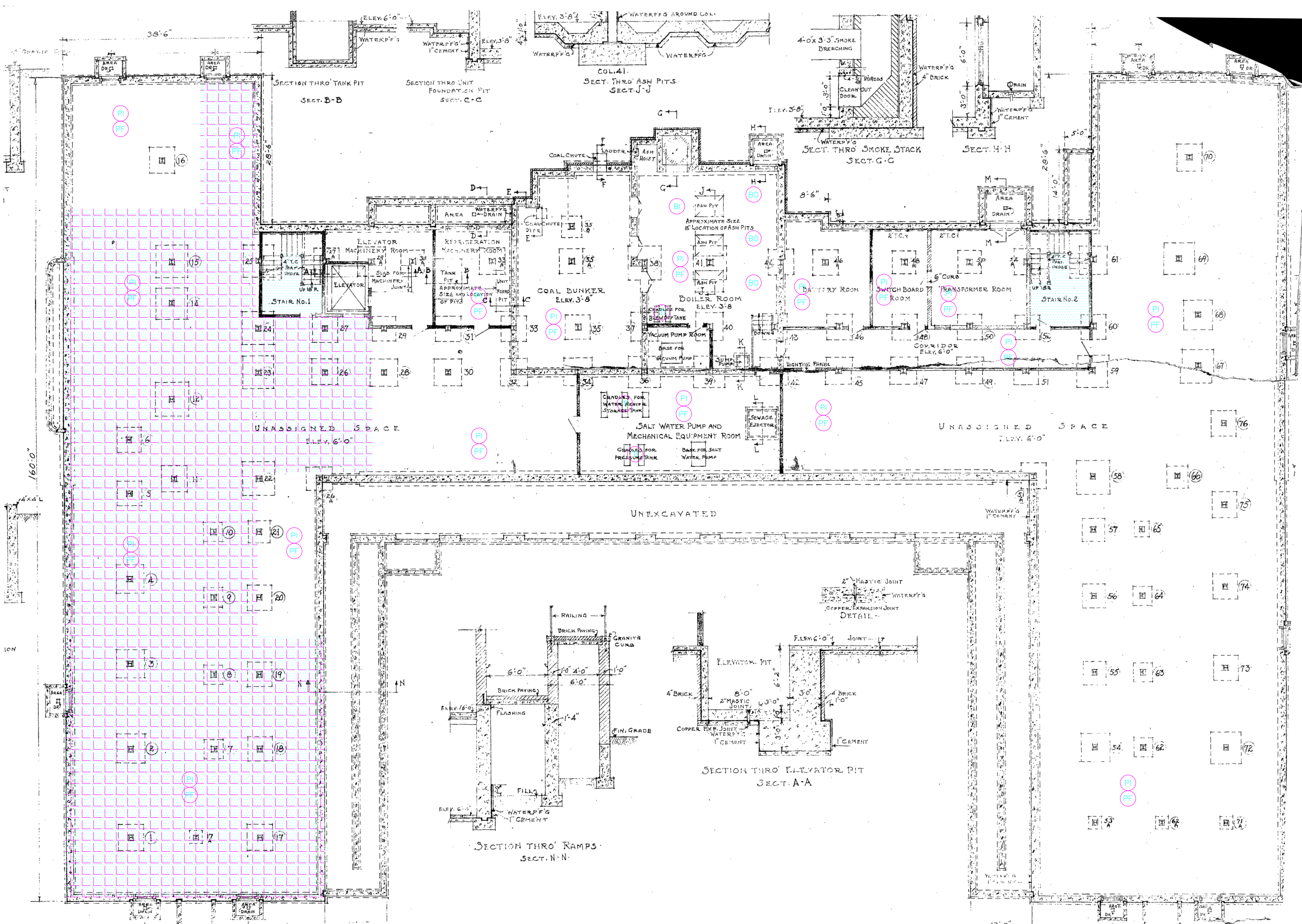
SAMPLE LEGEND

SAMPLE IDENTIFICATION	SAMPLE RESULT
AM	= AMOSITE
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPOUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PW	= PIPE MASTIC
PS	= PENETRATION SEALANT
PW	= PIPE WRAP
RC	= ROOF CEMENT
RF	= ROOF FLASHING
RP	= ROOF PAPER
SCT	= SUSPENDED CEILING TILE
SS	= SINK SEALANT
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VW	= VALVE WRAP
WC	= WINDOW CAULKING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

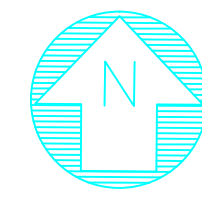
SYMBOL	MATERIAL DESCRIPTION
	ACM FLOOR TILE AND MASTIC
	ACM SHEET FLOORING AND MASTIC
	ACM PLASTER
	ACM CEILING TILE
	ACM ROOFING
	ACM FIRE DOOR LIGHT GLAZING
	ACM CEILING INSULATION
	ACM SINK UNDERCOAT
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM BREACHING INSULATION
	ACM TANK INSULATION
	ACM BOILER INSULATION
	ACM WINDOW CAULK AND/OR GLAZING
	ACM MISCELLANEOUS CAULK
	ACM MISCELLANEOUS MATERIAL

NOTES

1. NOT ALL SYMBOLS IN THE LEGEND ARE USED IN THIS DRAWING.

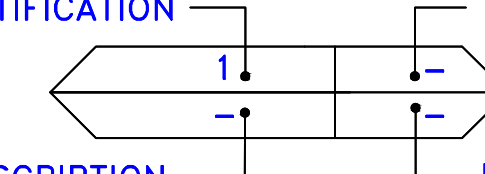


drawing title ACM LOCATIONS BASEMENT AND FOUNDATION PLAN		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		DRAWING PREPARED BY Cardno ATC	
mark	date	description	date 12/24/14
			scale 1/4" = 1'
			drawn by BLS
			approved by EF
			drawing no. ASB-1
CAD no.	project no.	61.22573.0020 TASK 20068	



SAMPLE LEGEND

SAMPLE IDENTIFICATION SAMPLE RESULT



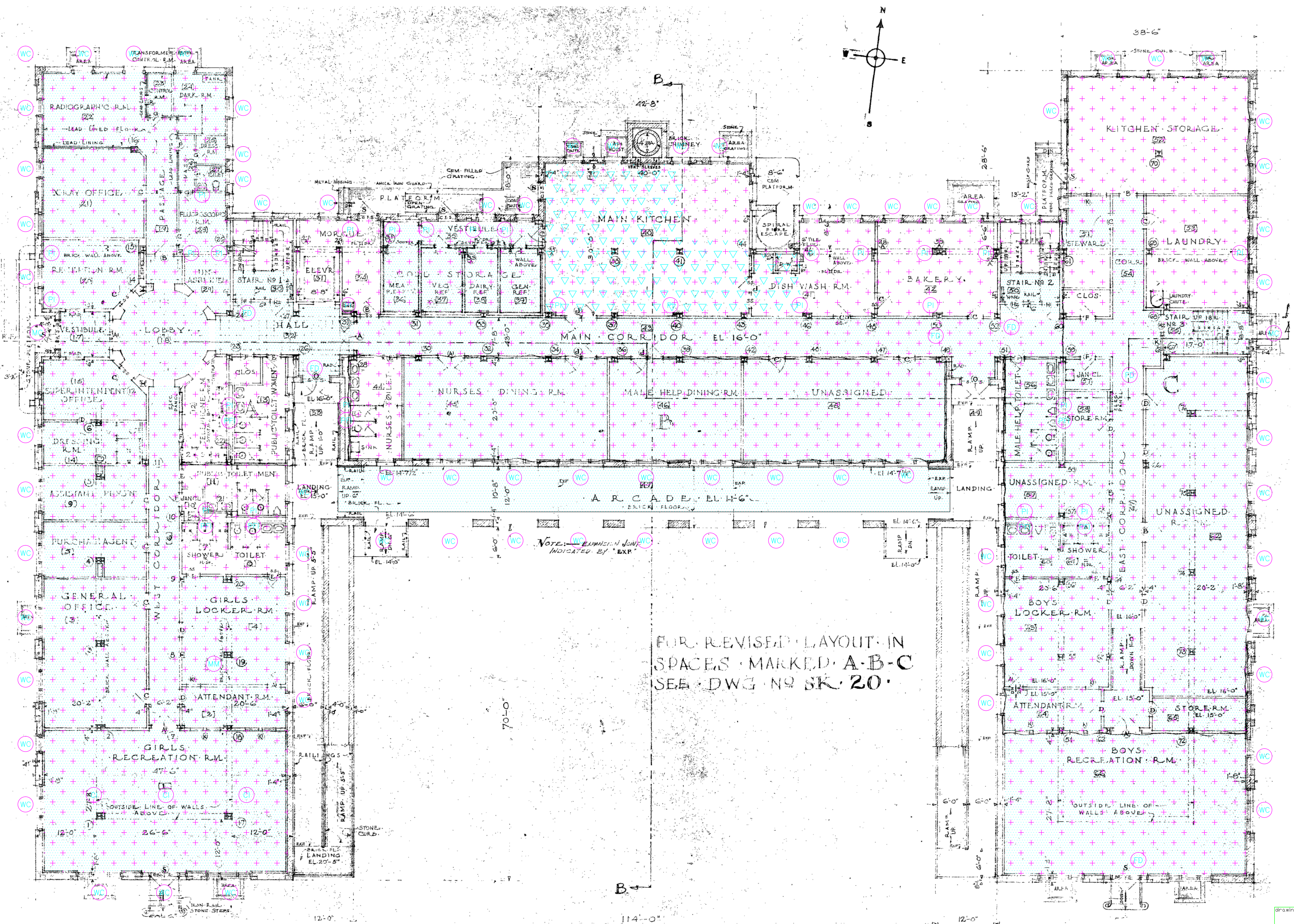
MATERIAL DESCRIPTION PERCENTAGE AND TYPE OF ASBESTOS

- AM = AMOSITE
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
- CFTA = CERAMIC FLOOR TILE ADHESIVE
- CFTG = CERAMIC FLOOR TILE GROUT
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- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
- N = NEGATIVE
- NA = NOT ANALYZED
- NAD = NO ASBESTOS DETECTED
- NAPS = NOT ANALYZED POSITIVE STOP
- P = POSITIVE
- PFI = PIPE FITTING INSULATION
- PI = PIPE INSULATION
- PIA = PIPE INSULATION ADHESIVE
- PLCS = PLASTER CEILING BASE COAT
- PLCB = PLASTER CEILING SKIM COAT
- PLWB = PLASTER WALL BASE COAT
- PLWS = PLASTER WALL SKIM COAT
- PW = PIPE MASTIC
- PS = PENETRATION SEALANT
- PW = PIPE WRAP
- RC = ROOF CEMENT
- RF = ROOF FLASHING
- RP = ROOF PAPER
- SCT = SUSPENDED CEILING TILE
- SS = SINK SEALANT
- SU = SINK UNDERCOAT
- T = TRANSITE
- TC = TEXTURED COATING
- TR = TRACE
- VW = VALVE WRAP
- WC = WINDOW CAULKING
- WG = WINDOW GLAZING
- WP = WATERPROOFING
- WT = WALL TILE

SYMBOL	MATERIAL DESCRIPTION
	ACM FLOOR TILE AND MASTIC
	ACM SHEET FLOORING AND MASTIC
	ACM PLASTER
	ACM CEILING TILE
	ACM ROOFING
	ACM FIRE DOOR LIGHT GLAZING
	ACM CEILING INSULATION
	ACM SINK UNDERCOAT
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM BREACHING INSULATION
	ACM TANK INSULATION
	ACM BOILER INSULATION
	ACM WINDOW CAULK AND/OR GLAZING
	ACM MISCELLANEOUS CAULK
	ACM MISCELLANEOUS MATERIAL

NOTES

1. NOT ALL SYMBOLS IN THE LEGEND ARE USED IN THIS DRAWING.

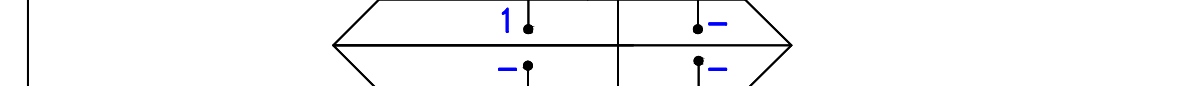


FOR REVISED LAYOUT IN SPACES MARKED A-B-C SEE DWG NO SK-20

drawing title ACM LOCATIONS GROUND FLOOR PLAN		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		DRAWING PREPARED BY Cardno ATC	
mark	date	description	date 12/24/14 scale 1/4" = 1'
			drawn by BLS approved by EF
project BUILDING INSPECTION MAIN HOSPITAL BUILDING SEASIDE REGIONAL CENTER WATERFORD, CONNECTICUT		drawing no. ASB-2	
CAD no.		project no. 61.22573.0020 TASK 20068	

SAMPLE LEGEND

SAMPLE IDENTIFICATION SAMPLE RESULT



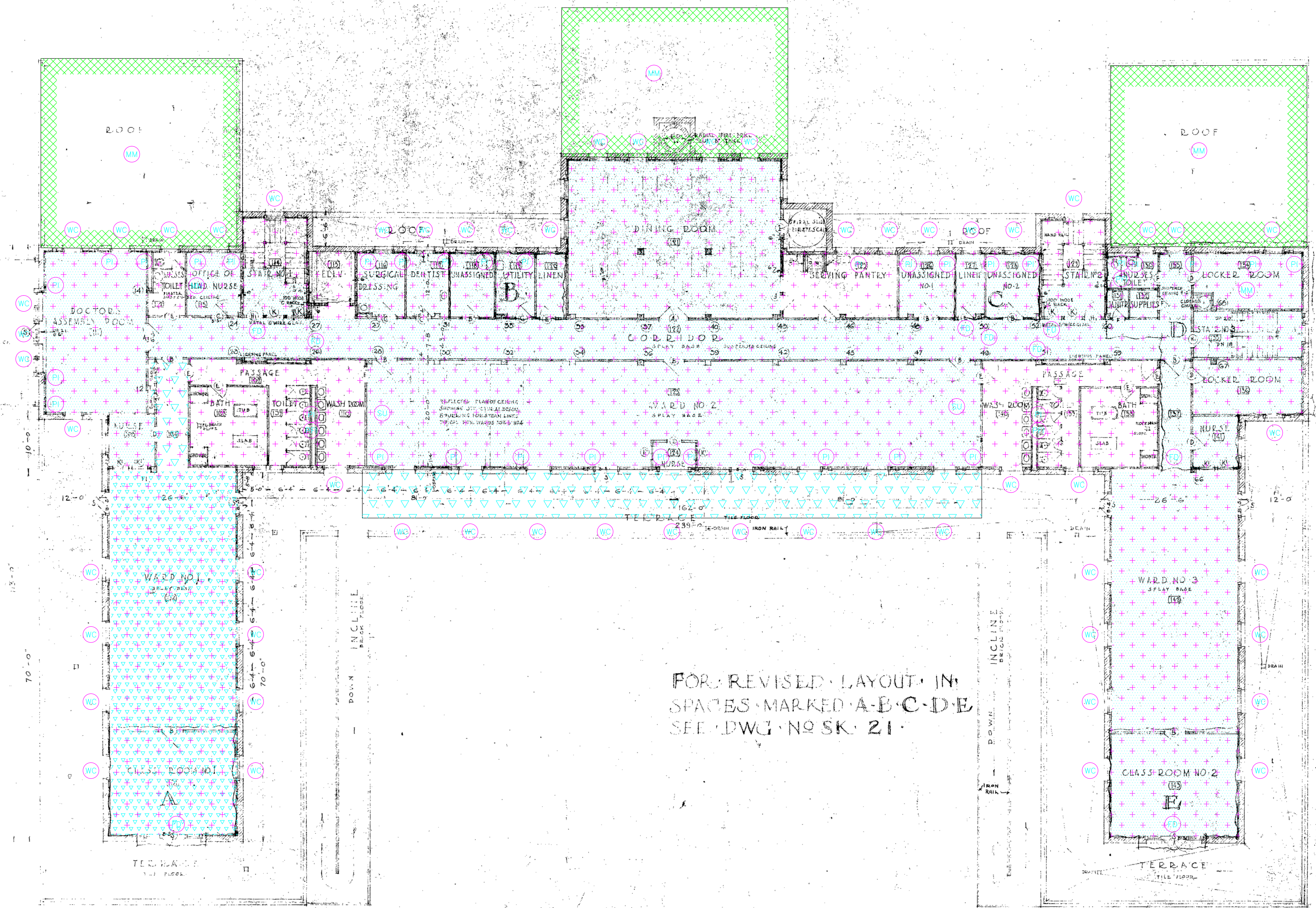
MATERIAL DESCRIPTION PERCENTAGE AND TYPE OF ASBESTOS

- AM = AMOSITE
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
- CFTA = CERAMIC FLOOR TILE ADHESIVE
- CFTG = CERAMIC FLOOR TILE GROUT
- CFTSC = CERAMIC FLOOR TILE SETTING COMPOUND
- CH = CHRYSOTILE
- CO = COUNTERTOP
- CT = CEILING TILE
- CWTA = CERAMIC WALL TILE ADHESIVE
- CWTG = CERAMIC WALL TILE GROUT
- CWTSC = CERAMIC WALL TILE SETTING COMPOUND
- DC = DOOR CAULKING
- DG = DOOR GLAZING
- DI = DUCT INSULATION
- DIA = DUCT INSULATION ADHESIVE
- DIW = DUCT INSULATION WRAP
- DS = DUCT SEALANT
- ECP = END CAP PACKING
- ECS = END CAP SEALANT
- EFIS = EXTERIOR FINISH INSULATION SYSTEM
- EJF = EXPANSION JOINT FILLER
- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
- N = NEGATIVE
- NA = NOT ANALYZED
- NAD = NO ASBESTOS DETECTED
- NAPS = NOT ANALYZED POSITIVE STOP
- P = POSITIVE
- PFI = PIPE FITTING INSULATION
- PI = PIPE INSULATION
- PIA = PIPE INSULATION ADHESIVE
- PLCS = PLASTER CEILING BASE COAT
- PLWB = PLASTER WALL BASE COAT
- PLWS = PLASTER WALL SKIM COAT
- PM = PIPE MASTIC
- PS = PENETRATION SEALANT
- PW = PIPE WRAP
- RC = ROOF CEMENT
- RF = ROOF FLASHING
- RP = ROOF PAPER
- SCT = SUSPENDED CEILING TILE
- SS = SINK SEALANT
- SU = SINK UNDERCOAT
- T = TRANSITE
- TC = TEXTURED COATING
- TR = TRACE
- VW = VALVE WRAP
- WC = WINDOW CAULKING
- WG = WINDOW GLAZING
- WP = WATERPROOFING
- WT = WALL TILE

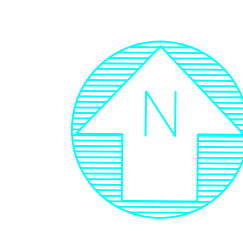
SYMBOL	MATERIAL DESCRIPTION
	ACM FLOOR TILE AND MASTIC
	ACM SHEET FLOORING AND MASTIC
	ACM PLASTER
	ACM CEILING TILE
	ACM ROOFING
	ACM FIRE DOOR LIGHT GLAZING
	ACM CEILING INSULATION
	ACM SINK UNDERCOAT
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM BREECING INSULATION
	ACM TANK INSULATION
	ACM BOILER INSULATION
	ACM WINDOW CAULK AND/OR GLAZING
	ACM MISCELLANEOUS CAULK
	ACM MISCELLANEOUS MATERIAL

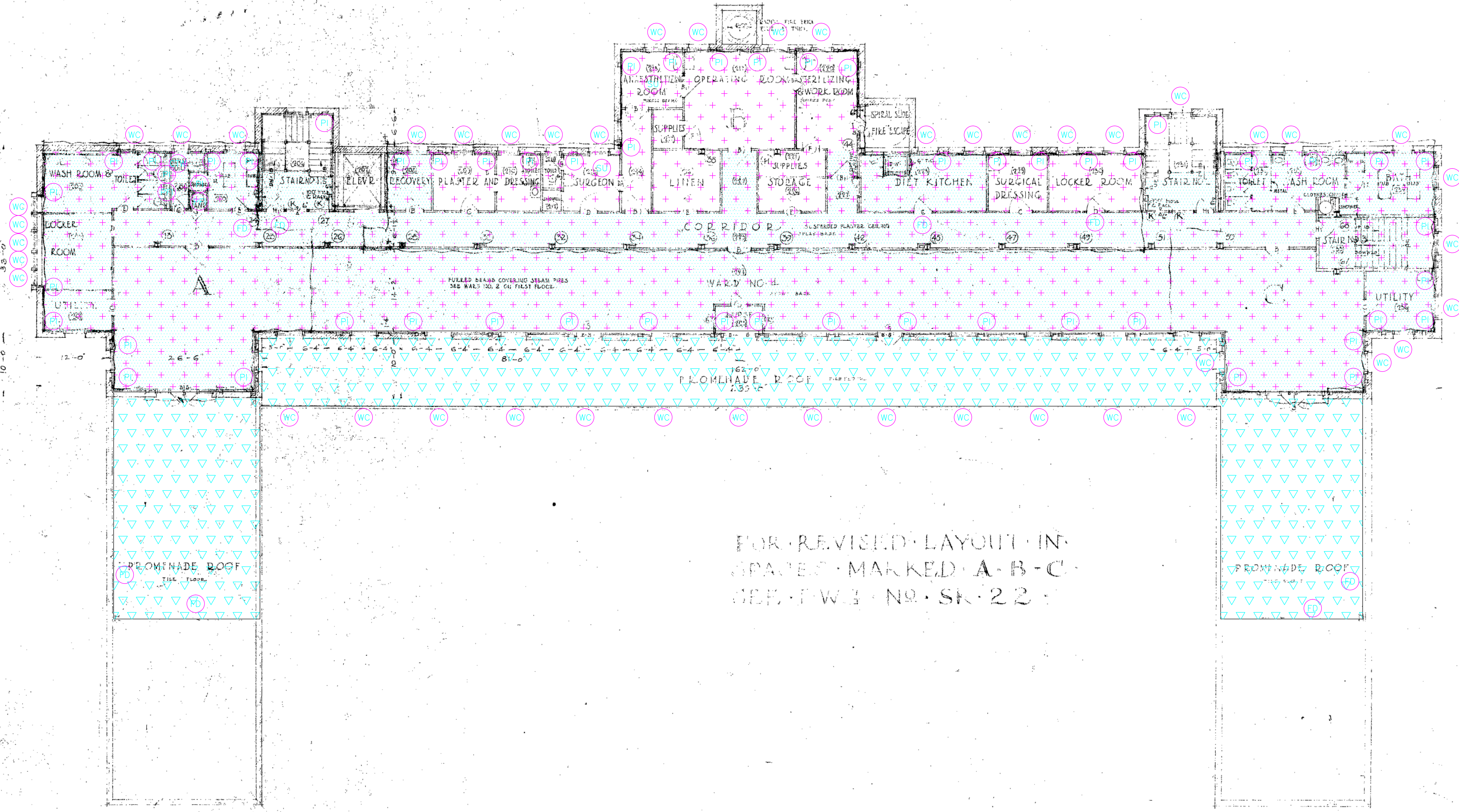
NOTES

1. NOT ALL SYMBOLS IN THE LEGEND ARE USED IN THIS DRAWING.



drawing title ACM LOCATIONS FIRST FLOOR PLAN		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		DRAWING PREPARED BY Cardno ATC	
mark	date	description	date 12/24/14 scale 1/4" = 1'
			drawn by BLS
			approved by EF
			drawing no. ASB-3
CAD no.	project no.	61.22573.0020 TASK 20068	





SAMPLE LEGEND

SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

- AM = AMOSITE
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
- CFTA = CERAMIC FLOOR TILE ADHESIVE
- CFTG = CERAMIC FLOOR TILE GROUT
- CFTSC = CERAMIC FLOOR TILE SETTING COMPOUND
- CH = CHRYSOTILE
- CO = COUNTERTOP
- CT = CEILING TILE
- CWTA = CERAMIC WALL TILE ADHESIVE
- CWTG = CERAMIC WALL TILE GROUT
- CWTSC = CERAMIC WALL TILE SETTING COMPOUND
- DC = DOOR CAULKING
- DG = DOOR GLAZING
- DI = DUCT INSULATION
- DIA = DUCT INSULATION ADHESIVE
- DIW = DUCT INSULATION WRAP
- DS = DUCT SEALANT
- ECP = END CAP PACKING
- ECS = END CAP SEALANT
- EFIS = EXTERIOR FINISH INSULATION SYSTEM
- EJF = EXPANSION JOINT FILLER
- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
- N = NEGATIVE
- NA = NOT ANALYZED
- NAD = NO ASBESTOS DETECTED
- NAPS = NOT ANALYZED POSITIVE STOP
- P = POSITIVE
- PFI = PIPE FITTING INSULATION
- PI = PIPE INSULATION
- PIA = PIPE INSULATION ADHESIVE
- PLCB = PLASTER CEILING BASE COAT
- PLCS = PLASTER CEILING SKIM COAT
- PLWB = PLASTER WALL BASE COAT
- PLWS = PLASTER WALL SKIM COAT
- PW = PIPE MASTIC
- PS = PENETRATION SEALANT
- PW = PIPE WRAP
- RC = ROOF CEMENT
- RF = ROOF FLASHING
- RP = ROOF PAPER
- SCT = SUSPENDED CEILING TILE
- SS = SINK SEALANT
- SU = SINK UNDERCOAT
- T = TRANSITE
- TC = TEXTURED COATING
- TR = TRACE
- VW = VALVE WRAP
- WC = WINDOW CAULKING
- WG = WINDOW GLAZING
- WP = WATERPROOFING
- WT = WALL TILE

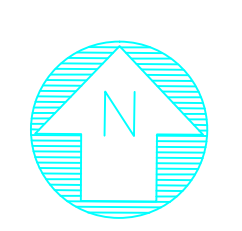
SYMBOL	MATERIAL DESCRIPTION
	ACM FLOOR TILE AND MASTIC
	ACM SHEET FLOORING AND MASTIC
	ACM PLASTER
	ACM CEILING TILE
	ACM ROOFING
	ACM FIRE DOOR LIGHT GLAZING
	ACM CEILING INSULATION
	ACM SINK UNDERCOAT
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM BREACHING INSULATION
	ACM TANK INSULATION
	ACM BOILER INSULATION
	ACM WINDOW CAULK AND/OR GLAZING
	ACM MISCELLANEOUS CAULK
	ACM MISCELLANEOUS MATERIAL

NOTES

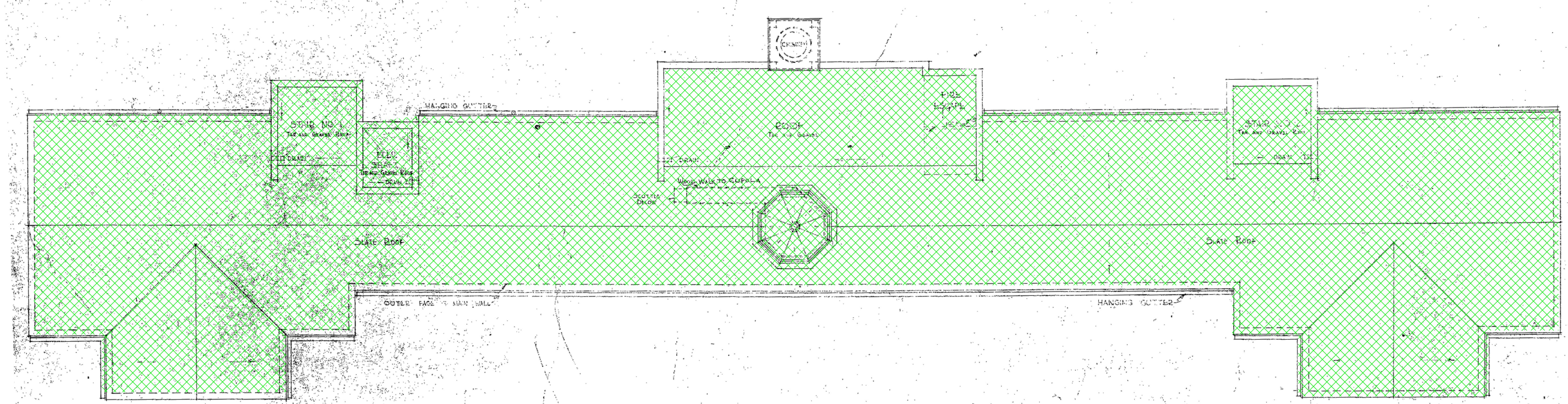
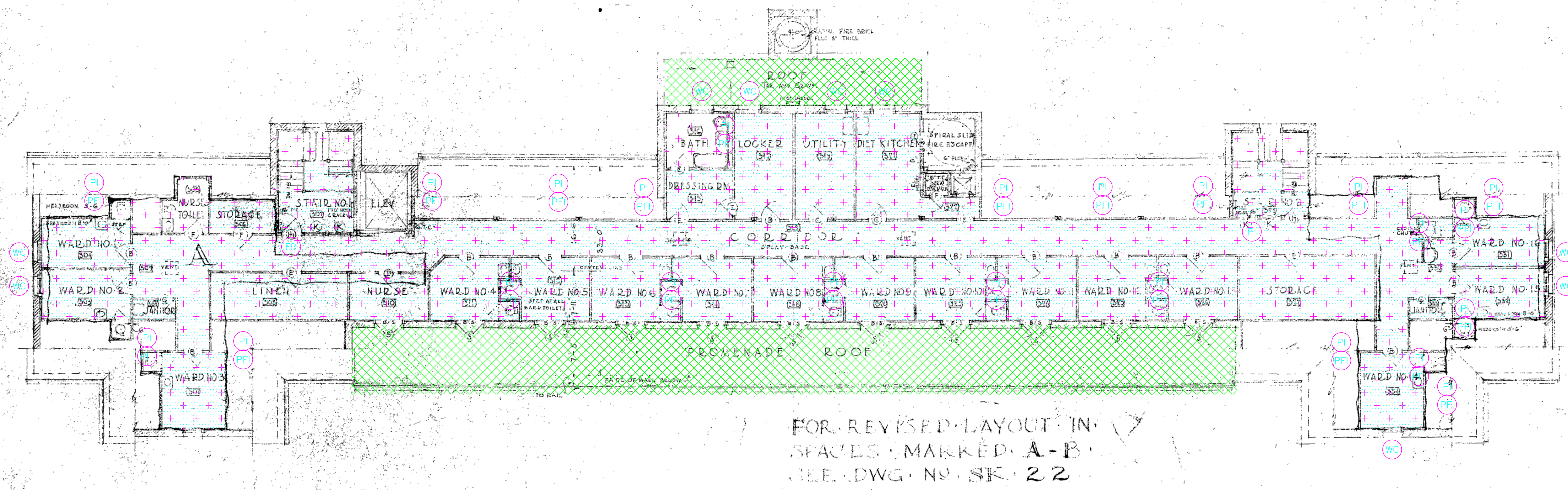
1. NOT ALL SYMBOLS IN THE LEGEND ARE USED IN THIS DRAWING.

REFERENCES FOR SCHEDULE OF MATERIAL FINISHES.

drawing title ACM LOCATIONS SECOND FLOOR PLAN		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		DRAWING PREPARED BY Cardno ATC	
mark	date	description	date 12/24/14
			scale 1/4" = 1'
			drawn by BLS
			approved by EF
			drawing no. ASB-4
CAD no.	project no.	61.22573.0020 TASK 20068	



SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPOUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PW	= PIPE MASTIC
PS	= PENETRATION SEALANT
PW	= PIPE WRAP
RC	= ROOF CEMENT
RF	= ROOF FLASHING
RP	= ROOF PAPER
SCT	= SUSPENDED CEILING TILE
SS	= SINK SEALANT
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VW	= VALVE WRAP
WC	= WINDOW CAULKING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE



SYMBOL	MATERIAL DESCRIPTION
	ACM FLOOR TILE AND MASTIC
	ACM SHEET FLOORING AND MASTIC
	ACM PLASTER
	ACM CEILING TILE
	ACM ROOFING
	ACM FIRE DOOR LIGHT GLAZING
	ACM CEILING INSULATION
	ACM SINK UNDERCOAT
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM BREACHING INSULATION
	ACM TANK INSULATION
	ACM BOILER INSULATION
	ACM WINDOW CAULK AND/OR GLAZING
	ACM MISCELLANEOUS CAULK
	ACM MISCELLANEOUS MATERIAL

NOTES
 1. NOT ALL SYMBOLS IN THE LEGEND ARE USED IN THIS DRAWING.

drawing title ACM LOCATIONS THIRD FLOOR PLAN		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		DRAWING PREPARED BY Cardno ATC Shaping the Future	
mark	date	description	date 12/24/14 scale 1/4" = 1'
			drawn by BLS approved by EF
project	BUILDING INSPECTION MAIN HOSPITAL BUILDING SEASIDE REGIONAL CENTER WATERFORD, CONNECTICUT		drawing no. ASB-5
CAD no.	project no. 61.22573.0020 TASK 20068		

