

November 5, 2014

Mr. Mike Sanders State of Connecticut Department of Administrative Services Division of Construction Services 165 Capitol Avenue, Room 460 Hartford, CT 06106

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 Cardno

290 Roberts Street Suite 301 East Hartford, CT 06108

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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

Edward P. Fennell Jr., P.E.

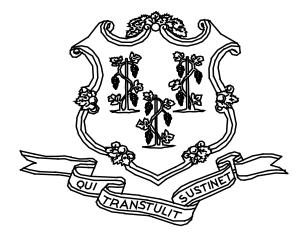
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ASBESTOS INSPECTION REPORT

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, 22014 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 ft^2 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

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- 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

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- Gypsum Board
- Joint Compound
- 1'x1' Ceiling Tile
- 2'x2' Ceiling Tile (Textured)
- 2'x4' Ceiling Tile (Newer)
- Brown Glue Daubs Associated with1'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.

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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	

BU	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	

BU	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

BU	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		

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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

BU	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

BU	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		

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BU	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	Chrysotil
102114-138B	Kitchen Roof/ North East Roof (Low)	Flashing Tar	7	Chrysotil
102114-139A	Kitchen Roof/ North East Roof (Low)	Roof Drain Tar	4	Chrysotil
102114-139B	Kitchen Roof/ North East Roof (Low)	Roof Drain Tar	8	Chrysoti

ND = None Detected

7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS



290 I Suite	no ATC Roberts Street	Phone: Fax: Received: Analysis Date: Collected:	(860) 282-9924 (860) 282-9826 10/23/14 11:56 AM 10/25/2014 10/21/2014
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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

			Non-As	bestos	Asbestos
Sample	Description	Appearance	% 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% Mica25% Gypsum45% Ca Carbonate28% Non-fibrous (other)	None Detected
			Inseparable paint / coating laye	r 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



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

				Non-As	<u>bestos</u>	<u>Asbestos</u>
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type
02114-06B 031440979-0005	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 031440979-0006	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 031440979-0007	GROUND FL/ RADIOGRAPHIC RM - GYPSUM BOARD	Brown/White Non-Fibrous Homogeneous	3% 12%	Glass Cellulose	60% Gypsum 25% Non-fibrous (other)	None Detected
102114-07B 031440979-0008	2ND FL WEST STAIRWELL - GYPSUM BOARD	Brown/White Non-Fibrous Homogeneous	10%	Cellulose	68% Gypsum 22% Non-fibrous (other)	None Detected
102114-07C 031440979-0009	KITCHEN - GYPSUM BOARD	Gray Non-Fibrous Homogeneous	3%	Cellulose	65% Gypsum 15% Ca Carbonate 17% Non-fibrous (other)	None Detected
102114-08A 031440979-0010	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



Attn:	Ed Fennell	Phone:	(860) 282-9924
	Cardno ATC	Fax:	(860) 282-9826
	290 Roberts Street	Received:	10/23/14 11:56 AM
	Suite 301	Analysis Date:	10/25/2014
	East Hartford, CT 06108	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

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

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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



Attn:	Ed Fennell	Phone:	(860) 282-9924
	Cardno ATC	Fax:	(860) 282-9826
	290 Roberts Street	Received:	10/23/14 11:56 AM
	Suite 301	Analysis Date:	10/25/2014
	East Hartford, CT 06108	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

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

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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



Attn: Ed Fennell Phone: (860) 282-9924 Cardno ATC Fax: (860) 282-9826 290 Roberts Street Received: 10/23/14 11:56 AM Suite 301 Analysis Date: 10/25/2014 East Hartford, CT 06108 Collected: 10/21/2014	
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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

			Non-Asbestos				Asbestos	
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	%	Туре	
102114-01H	MALE HELP	White			78% Ca Carbonate		None Detected	
031440979-0028	DINING - WALL PLASTER SKIM COAT	Non-Fibrous Homogeneous			22% Non-fibrous (other)			
102114-011	1ST FL WARD	White			55% Gypsum	3%	Chrysotile	
031440979-0029	#1 - WALL PLASTER SKIM	Non-Fibrous			20% Ca Carbonate			
	COAT	Homogeneous			22% Non-fibrous (other)			
			Inseparab	le paint / coating layer	included in analysis			
102114-02A	WEST	Gray			40% Quartz	2%	Chrysotile	
031440979-0030	STAIRWELL 3RD FLOOR - WALL	Non-Fibrous			28% Gypsum			
	PLASTER BASE COAT	Homogeneous			30% Non-fibrous (other)			
102114-02B	ROOM 311 -	Gray/White			50% Quartz	<1%	Chrysotile	
031440979-0031	WALL PLASTER BASE COAT	Non-Fibrous			28% Gypsum			
	BASE COAT	Homogeneous			22% Non-fibrous (other)			
102114-02C	2ND FLOOR	Gray			50% Quartz		None Detected	
031440979-0032	WARD #4 -	Non-Fibrous			32% Gypsum			
031440313-0032	WALL PLASTER BASE COAT	Homogeneous			18% Non-fibrous (other)			
102114-02D	BATHROOM	Gray			42% Quartz		None Detected	
031440979-0033	316 - WALL	Non-Fibrous			40% Gypsum			
001770010-0000	PLASTER BASE COAT	Homogeneous			18% Non-fibrous (other)			
102114-02E	NORTH	Gray			18% Quartz	4%	Chrysotile	
031440979-0034	ENTRANCE -	Non-Fibrous			60% Gypsum		-	
031440979-0034	WALL PLASTER BASE COAT	Homogeneous			18% Non-fibrous (other)			

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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



Attn: Ed Fennell Phone: (860) 282-9924 Cardno ATC Fax: (860) 282-9826 290 Roberts Street Received: 10/23/14 11:56 AM Suite 301 Analysis Date: 10/25/2014 East Hartford, CT 06108 Collected: 10/21/2014	
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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

			Non-Asbestos			Asbestos		
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	%	Туре	
102114-02F	DINING ROOM -	Gray			38% Quartz	2%	Chrysotile	
031440979-0035	WALL PLASTER	Non-Fibrous			35% Gypsum			
	BASE COAT	Homogeneous			25% Non-fibrous (other)			
102114-02G	KITCHEN/ MAIN -	Gray			45% Quartz		None Detected	
031440979-0036	WALL PLASTER BASE COAT	Non-Fibrous			40% Gypsum			
	DAGE COAT	Homogeneous			15% Non-fibrous (other)			
102114-02H	MALE HELP	Gray			32% Quartz		None Detected	
031440979-0037	DINING - WALL PLASTER BASE	Non-Fibrous			40% Gypsum			
	COAT	Homogeneous			28% Non-fibrous (other)			
102114-021	1ST FL WARD	Gray			45% Quartz	2%	Chrysotile	
031440979-0038	#1 - WALL PLASTER BASE COAT	Non-Fibrous Heterogeneous			53% Non-fibrous (other)			
102114-03A	ROOM 303 -	White			67% Ca Carbonate	<1%	Chrysotile	
031440979-0039	CEILING PLASTER SKIM COAT	Non-Fibrous Homogeneous			33% Non-fibrous (other)			
102114-03B	ROOM 312 -	White			65% Ca Carbonate	2%	Chrysotile	
031440979-0040	CEILING PLASTER SKIM COAT	Non-Fibrous Homogeneous			33% Non-fibrous (other)			
102114-03C	3RD FL	White			65% Ca Carbonate	<1%	Chrysotile	
031440979-0041	RESIDENTIAL SERVICES - CEILING PLASTER SKIM COAT	Non-Fibrous Homogeneous			35% Non-fibrous (other)			

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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

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

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	East Hartford, CT 06108	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

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

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

				Non-Asl	Asbestos		
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	%	Туре
102114-04H 031440979-0055	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 031440979-0056	KITCHEN/ MAIN - CEILING PLASTER BASE COAT	Gray Non-Fibrous Homogeneous			55% Quartz 42% Non-fibrous (other)	3%	Chrysotile
102114-13A 031440979-0057	NURSES DINING ROOM - 1'X1' CEILING TILE	Tan Fibrous Homogeneous	85%	Cellulose	15% Non-fibrous (other)		None Detected
102114-13B 031440979-0058	ROOM 328 - 1'X1' CEILING TILE	Brown/White Fibrous Homogeneous	90%	Cellulose	10% Non-fibrous (other)		None Detected
102114-14A 031440979-0059	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 031440979-0060	1ST FLOOR WARD #2 - 1'X1' CEILING TILE/ ON SPLINE	Gray/White Fibrous Homogeneous	65% 10%	Min. Wool Cellulose	25% Non-fibrous (other)		None Detected
102114-15A 031440979-0061	BASEMENT - 2'X2' CEILING TILE/ HOLES	Gray Fibrous Homogeneous	65%	Min. Wool	27% Non-fibrous (other)	8%	Amosite
102114-15B 031440979-0062	BASEMENT - 2'X2' CEILING TILE/ HOLES	White Fibrous Homogeneous	55%	Min. Wool	27% Non-fibrous (other)	18%	Amosite

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

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

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

				Non-As	<u>bestos</u>	Asbestos
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type
102114-19B 031440979-0071	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 031440979-0072	COLD STORAGE BEHIND COOLER INSULATION - TAN GLUE DAUBS	Tan Non-Fibrous Homogeneous			80% Matrix 20% Non-fibrous (other)	None Detected
102114-20B 031440979-0073	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 031440979-0074	MALE HELP DINING ROOM - PINK GYPSUM WALL BOARD	Pink Non-Fibrous Homogeneous			75% Gypsum 25% Non-fibrous (other)	None Detected
102114-21B 031440979-0075	MALE HELP DINING ROOM - PINK GYPSUM WALL BOARD	Pink Non-Fibrous Homogeneous	15% 5%	Cellulose Glass	60% Gypsum 20% Non-fibrous (other)	None Detected

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

Analyst(s):

Noel Anderson PLM (50)

Samples reviewed and approved by:

James PAI

Shahrakur Mahmud PLM (25)

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

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Attn:	Ed Fennell	Phone:	(860) 282-9924
	Cardno ATC	Fax:	(860) 282-9826
	290 Roberts Street	Received:	10/23/14 11:39 AM
	Suite 301	Analysis Date:	10/25/2014
	East Hartford, CT 06108	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

			N	lon-Asbestos	Asbestos
Sample	Description	Appearance	% 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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	290 Roberts Street	Received:	10/23/14 11:39 AM
	Suite 301	Analysis Date:	10/25/2014
	East Hartford, CT 06108	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

				Non-As	bestos	Asbestos		
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type		
102114-25A 031441026-0008	3RD FLOOR CORRIDOR - MASTIC TO GRAY 9"X9" FLOOR TILE	Black Non-Fibrous Homogeneous	3% 2%		95% Non-fibrous (other)	None Detected		
102114-25B 031441026-0009	ROOM 303 - MASTIC TO GRAY 9"X9" FLOOR TILE	Tan/Black Non-Fibrous Heterogeneous			94% Non-fibrous (other)	6% Chrysotile		
102114-25C 031441026-0010	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 031441026-0011	2ND FLOOR/ SOUTH EAST OFFICE SPACE - GREEN 9"X9" FLOOR TILE	Green Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected		
102114-26B 031441026-0012	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 031441026-0013	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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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

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

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290 Roberts Street	Received:	10/23/14 11:39 AM
Suite 301	Analysis Date:	10/25/2014
East Hartford, CT 06108	Collected:	10/21/2014

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

			Non-A	sbestos	Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
102114-30A 031441026-0021	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 031441026-0022	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 031441026-0023	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 031441026-0024	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 031441026-0025	1ST FLOOR DOCTORS ASSEBLY 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

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

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

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

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Ca 29 Su	d Fennell ardno ATC 0 Roberts Street uite 301 ast Hartford, CT 06108	Phone: Fax: Received: Analysis Date: Collected:	(860) 282-9924 (860) 282-9826 10/23/14 11:39 AM 10/25/2014 10/21/2014
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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

			Non-Asbestos				Asbestos		
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	%	Туре		
102114-39A 031441026-0039	GROUND WHIRL POOL ROOM - BLACK MASTIC TO TAN 12X12 FLOOR TILE	Brown/Black Non-Fibrous Heterogeneous	3%	Cellulose	97% Non-fibrous (other)		None Detected		
			Inseparat	ble mastics					
102114-39B 031441026-0040	GROUND WHIRL POOL ROOM - BLACK MASTIC TO TAN 12X12 FLOOR TILE	Brown/Black Non-Fibrous Homogeneous	2%	Cellulose	98% Non-fibrous (other)		None Detected		
			Inseparat	ble mastics					
102114-40A 031441026-0041	1ST FLOOR/ NURSE - GRAY 12X12 FLOOR TILE	Gray Non-Fibrous Homogeneous			15% Ca Carbonate 82% Non-fibrous (other)	3%	Chrysotile		
102114-40B 031441026-0042	1ST FLOOR/ NURSE - GRAY 12X12 FLOOR TILE	Gray/Tan Non-Fibrous Homogeneous			98% Non-fibrous (other)	2%	Chrysotile		
102114-41A 031441026-0043	1ST FLOOR/ NURSE - YELLOW MASTIC TO GRAY 12X12 FLOOR TILE	Brown Non-Fibrous Homogeneous	3%	Cellulose	97% Non-fibrous (other)		None Detected		
102114-41B 031441026-0044	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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	East Hartford, CT 06108	Collected.	10/2 1/2014

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**

			Non-Asbestos				Asbestos	
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	%	Туре	
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	= / •	Cellulose Glass	5% Ca Carbonate 92% Non-fibrous (other)		None Detected	
			Inseparat	le mastics				

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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



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	Suite 301	Analysis Date:	10/25/2014
	East Hartford, CT 06108	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

			Non-As	Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
102114-44B	1ST FLOOR/	Brown/Black	3% Cellulose	4% Ca Carbonate	None Detected
031441026-0050	OFFICE OF HEAD NURSE - BLACK MASTIC TO TAN 12X12 FLOOR TILE	Non-Fibrous Homogeneous		93% Non-fibrous (other)	
			Inseparable mastics		
102114-45A	2ND FLOOR	Tan/White/Blue		6% Quartz	None Detected
031441026-0051	BATHROOM 206 - YELLOW	Non-Fibrous		40% Matrix	
	BLUE SHEET FLOORING	Homogeneous		54% Non-fibrous (other)	
102114-45B	1ST FLOOR	Tan/White/Blue		15% Quartz	None Detected
031441026-0052	WEST	Non-Fibrous		45% Matrix	
031441020-0002	BATHROOM - YELLOW BLUE SHEET FLOORING	Homogeneous		40% Non-fibrous (other)	
102114-46A	GROUND	Brown/Gray/Yello		8% Quartz	None Detected
	FLOOR/ KITCHEN -	W		10% Ca Carbonate	
031441026-0053	YELLOW SHEET FLOORING	Non-Fibrous Homogeneous		82% Non-fibrous (other)	
102114-46B	GROUND	Brown/Gray		5% Quartz	None Detected
031441026-0054	FLOOR	Non-Fibrous		15% Ca Carbonate	
007777020 0007	DISHWASHING ROOM - YELLOW SHEET FLOORING	Homogeneous		80% Non-fibrous (other)	
102114-47A	1ST FLOOR/	Tan/White	12% Cellulose	68% Non-fibrous (other)	20% Chrysotile
031441026-0055	WARD #2 - TAN SHEET FLOORING SQUARE PATTERNS	Fibrous Heterogeneous			-

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Suite 301	Analysis Date:	10/25/2014
East Hartford, CT 06108	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

				Non-As	<u>bestos</u>	<u>A</u>	sbestos
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	%	Туре
102114-47B 031441026-0056	1ST FLOOR/ WARD #2 - TAN SHEET FLOORING SQUARE PATTERNS	Tan/White Non-Fibrous Homogeneous			85% Non-fibrous (other)	15%	Chrysotile
102114-48A 031441026-0057	1ST FLOOR/ WARD #2 - TAN SHEET FLOORING SQUARE PATTERNS/ MASTIC	Brown/Tan Non-Fibrous Heterogeneous	4%	Cellulose	94% Non-fibrous (other)	2%	Chrysotile
			Result inc	cludes a small amount	of inseparable attached material		
102114-48B 031441026-0058	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 031441026-0059	1ST FLOOR/ WARD #2 - TAN SHEET FLOORING/ LARGE SQUARE PATTERNS	Tan/White Fibrous Heterogeneous	5%	Cellulose	77% Non-fibrous (other)	18%	Chrysotile
102114-49B 031441026-0060	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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East Hartford, CT 06108	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

				Non-As	bestos	<u>A</u>	sbestos
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	%	Туре
102114-50A 031441026-0061	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 inc	ludes a small amount	of inseparable attached material		
102114-50B 031441026-0062	1ST FLOOR/ WARD #2 - TAN SHEET FLOORING/ LARGE SQUARE PATTERNS MASTIC	Tan/Yellow Non-Fibrous Homogeneous			97% Non-fibrous (other)	3%	Chrysotile
			Result inc	ludes a small amount	of inseparable attached material		
102114-51A 031441026-0063	GROUND FLOOR DISHWASHING ROOM - GREEN CEMENTITIOUS FLOORING	Gray/Green Non-Fibrous Heterogeneous			45% Quartz 55% Non-fibrous (other)		None Detected
			Inseparab	le paint / coating layer	included in analysis		
102114-51B 031441026-0064	GROUND FLOOR DISHWASHING ROOM - GREEN CEMENTITIOUS FLOORING	Gray/Green Non-Fibrous Homogeneous			35% Quartz 65% Non-fibrous (other)		None Detected
			Inseparat	le paint / coating layer	included in analysis		
102114-52A 031441026-0065	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

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

			Non-Asbestos				Asbestos	
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	%	Туре	
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		Cellulose	92% Non-fibrous (other)	2%	Chrysotile	
			Result inc	ludes 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 inc	ludes 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	1ST FLOOR/	Tan			88% Non-fibrous (other)	12%	Chrysotile	
031441026-0077	WARD #1 - YELLOW SHEET FLOORING	Non-Fibrous Homogeneous					-	
102114-58A 031441026-0078	1ST FLOOR/ WARD #1 - YELLOW SHEET FLOORING/ YELLOW MASTIC	Tan/Yellow Fibrous Heterogeneous		Cellulose	89% Non-fibrous (other)	5%	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



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	East Hartford, CT 06108	00.00000	

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

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

				Non-Asbes	tos	Asbestos
Sample	Description	Appearance	% Fi	ibrous	% 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

				Non-As	sbestos	Asbestos
Sample	Description	Appearance	%	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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Attn:Ed FennellPhone:Cardno ATCFax:290 Roberts StreetReceiveSuite 301AnalysiEast Hartford, CT 06108Collect	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

			Non-As	bestos	Asbestos
Sample	Description	Appearance	% 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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Attn:	Ed Fennell	Phone:	(860) 282-9924
	Cardno ATC	Fax:	(860) 282-9826
	290 Roberts Street	Received:	10/23/14 11:39 AM
	Suite 301	Analysis Date:	10/25/2014
	East Hartford, CT 06108	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

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

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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



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	
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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

				Non-As	<u>bestos</u>	Asbestos
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type
102114-72A 031441026-0106	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
			Inseparat	ble paint / coating layer	included in analysis	
102114-72B 031441026-0107	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
			Inseparat	ble paint / coating layer	included in analysis	
102114-73A 031441026-0108	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 031441026-0109	GROUND FLOOR WOMENS BATHROOM/ GREEN WHITE CERAMIC - FLOORING SETTING COMPOUND	Brown Non-Fibrous Homogeneous			25% Quartz 75% Non-fibrous (other)	None Detected
102114-74A 031441026-0110	BASEMENT BATHROOM / CERAMIC WALL GROUT	White Non-Fibrous Homogeneous			62% Ca Carbonate 38% Non-fibrous (other)	None Detected

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Attn: Ed Fennell Phone: (860) 282-9924 Cardno ATC Fax: (860) 282-9826 290 Roberts Street Received: 10/23/14 11:39 AM Suite 301 Analysis Date: 10/25/2014 East Hartford, CT 06108 Collected: 10/21/2014	
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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

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

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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



Attn:	Ed Fennell	Phone:	(860) 282-9924
	Cardno ATC	Fax:	(860) 282-9826
	290 Roberts Street	Received:	10/23/14 11:39 AM
	Suite 301	Analysis Date:	10/25/2014
	East Hartford, CT 06108	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

				Non-As	bestos	Asbestos			
Sample	Description	Appearance	%	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



Attn:	Cardno ATC 290 Roberts Street Suite 301	Phone: Fax: Received: Analysis Date: Collected:	(860) 282-9924 (860) 282-9826 10/23/14 11:39 AM 10/25/2014 10/21/2014
	East Hartford, CT 06108		

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

Analyst(s):

Kamel Alawawda PLM (59)

Jon Williams PLM (62)

Samples reviewed and approved by:

James Per

James Hall, Laboratory Manager or other approved signatory

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

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

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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



73 V	dno ATC Villiam Franks Drive st Springfield, MA 01089	Phone: Fax: Received: Analysis Date:	(413) 781-0070 (413) 781-3734 10/23/14 11:36 AM 10/25/2014
		Collected:	10/21/2014

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

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

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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



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

Attn: Cardno ATC 73 William Franks Drive West Springfield, MA 01089	Phone: Fax: Received: Analysis Date: Collected:	(413) 781-0070 (413) 781-3734 10/23/14 11:36 AM 10/25/2014 10/21/2014	
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Project: 61.22573.0020T/ CT DCS/ HOSPTAL 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

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

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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



Attn:	Cardno ATC	Phone:	(413) 781-0070
	73 William Franks Drive	Fax:	(413) 781-3734
	West Springfield, MA 01089	Received:	10/23/14 11:36 AM
	West Springheid, MA 01003	Analysis Date:	10/25/2014
		Collected:	10/21/2014

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

				Non-As	<u>bestos</u>	Asbestos
Sample	Description	Appearance	%	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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Attn: Cardno ATC 73 William Franks Drive West Springfield, MA 01089	Phone: Fax: Received: Analysis Date:	(413) 781-0070 (413) 781-3734 10/23/14 11:36 AM 10/25/2014
	Analysis Date: Collected:	10/25/2014 10/21/2014

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

				Non-Asbe	stos	<u>A</u> :	<u>sbestos</u>
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	%	Туре
102114-93B 031441019-0029	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 031441019-0030	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 031441019-0031	EAST STAIRWELL - DAMPROOFING TAR	Brown/Black Non-Fibrous Homogeneous	3%	Cellulose	10% Quartz 87% Non-fibrous (other)		None Detected
102114-94C 031441019-0032	WEST STAIRWELL - DAMPROOFING TAR	Black Non-Fibrous Homogeneous	2%	Fibrous (other)	35% Matrix 63% Non-fibrous (other)		None Detected
102114-95A 031441019-0033	1ST FLOOR - ADHESIVE UNDER SLATE WINDOW SILL	White Non-Fibrous Homogeneous	3%	Fibrous (other)	97% Non-fibrous (other)		None Detected
102114-95B 031441019-0034	1ST FLOOR - ADHESIVE UNDER SLATE WINDOW SILL	White/Black Non-Fibrous Homogeneous			5% Ca Carbonate 95% Non-fibrous (other)		None Detected
102114-96A 031441019-0035	ROOM 303 - MUDDED INSULATION ON PIPE FITTING	White Fibrous Homogeneous			40% Ca Carbonate 11% Non-fibrous (other)	6%	Chrysotile Amosite Crocidolite

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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



Attn: Cardno ATC Phone: (413) 781-0070 73 William Franks Drive Fax: (413) 781-3734 West Springfield, MA 01089 Received: 10/23/14 11:36 AM Analysis Date: 10/25/2014 10/21/2014
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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

				Non-Asl	pestos	<u>A</u> :	<u>sbestos</u>
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	%	Туре
102114-96B 031441019-0036	GROUND FLOOR/ MALE HELP DINING ROOM - MUDDED 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 - MUDDED INSULATION ON PIPE FITTING	Gray Non-Fibrous Homogeneous	65% 4%	Min. Wool Cellulose	31% Non-fibrous (other)		None Detected
102114-97A 031441019-0038	ROOM 303 - PIPE INSULATION	White Fibrous Homogeneous			40% Ca Carbonate 29% Non-fibrous (other)		Chrysotile Amosite
102114-97B 031441019-0039	CLOSET BY LAUNDRY ROOM - PIPE INSULATION	White Fibrous Homogeneous			40% Ca Carbonate 23% Non-fibrous (other)		Chrysotile Amosite
102114-97C 031441019-0040	NORTH ENTRANCE - PIPE INSULATION	White Fibrous Homogeneous			50% Non-fibrous (other)		Chrysotile 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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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



Collected: 10/21/2014		Attn: Cardno ATC 73 William Franks Drive West Springfield, MA 01089	Fax: (4 Received: 1) Analysis Date: 1)	413) 781-0070 413) 781-3734 0/23/14 11:36 AM 0/25/2014 0/21/2014
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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

				Non-As	bestos	<u>A</u>	<u>sbestos</u>
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	%	Туре
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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EMSL Order: 031441019 CustomerID: ATC62 CustomerPO: 11-81-0030 ProjectID:

Attn:	Cardno ATC	Phone:	(413) 781-0070
	73 William Franks Drive	Fax:	(413) 781-3734
	West Springfield, MA 01089	Received: Analysis Date: Collected:	10/23/14 11:36 AM 10/25/2014 10/21/2014

Project: 61.22573.0020T/ CT DCS/ HOSPTAL 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

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

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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



Attn: Cardno ATC 73 William Franks Drive West Springfield, MA 01089	Phone: Fax: Received: Analysis Date: Collected:	(413) 781-0070 (413) 781-3734 10/23/14 11:36 AM 10/25/2014 10/21/2014
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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

				Non-As	sbestos	Asbestos
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Туре
102114-105A	BOILER ROOM -	White/Silver	94%	Min. Wool	6% Non-fibrous (other)	None Detected
031441019-0058	BOILER GASKET	Fibrous Heterogeneous				
			Inseparat	ole paint / coating laye	er included in analysis	
102114-105B	BOILER ROOM - BOILER GASKET	Gray/White Fibrous	65%	Min. Wool	35% Non-fibrous (other)	None Detected
031441019-0059		Homogeneous				

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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



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

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

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

Analyst(s):

Henry Akintunde PLM (26)

Samples reviewed and approved by:

Jon Williams PLM (33)

James PAU

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

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	LOG	ð 19	200-	61.225	ED FENIA	n Date:		Hosp complet	Friable Y/N	2	~		7	2	~	2	Ń	2	Λ/	2		-light-none)	<u>Vibration</u> (gym-music rm-auditorium-mechanical rm-elevator other) <u>Air movement</u> (high-moderate-low)	1.ko
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	2	e B	W. Thompson	00673		441	Requested turnaround time (circle) 3 DY 5 DY		Material Description	Wood Ward	BRACK SINK Underlociting	Sraun Sink Undercoathing	Wall panel Glue	Swh UN	AT WIM	mire	Electrical Binely asu (a tropy		WIR We			Physical (sig dmg-dmg-no <u>M</u>	Proximity (<11t-1-61t->61t) A Ventilation (yes-no_f yes, A Ventilation (yes-no_f yes, et	
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	\]		Cardno ATC Inspector:	Accreditation No.:	Survey Date:	Signature:	•	Building:	Location	134 Reuff	- Zhi Har West	anni 2	Premiashing	Canad R	14 Poor Panel Box	Ground Flar Pavel Park	HIN 21 KY	Destanding Rody - Row	Make kelp Diningkan Panel BUK	Comments:		<u>Notes</u> Damage Factors.	Disturbance Factors:	

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OrderID: 03144	1019																:				
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Card ATC Shaping the Future	Cardno ATC Inspector: Accreditation No.:	Survey Date:	Lab Name: E/MX	Building: Hocol-	Location	· ∽_	Zid there ward # 4	Exheric c	154 Flee Ballikoon Near Dinns Low	1	-144 Acu- Ucetars Accembly Katan TEUST Stanwell al	15+ 61002	Convert Rec-Note top Dinier	Case to Securite Rach	Biviemeni	Comments.	Notes	Desturbance Factors:		Relinquished By/Date:	

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ATC Shaping the Future Cardno ATC Inspector: W. 7 Accreditation No.: 0								
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		Ø314	03144169		,	40	860) 282-99	East Darrupt, C.1. 00100 (860) 282-9924 Fax: (860) 282-9826
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Ŋ	+	Project N	Project Manager: \mathcal{EO}	FENN	7731			
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ŭ	_		<u>Vibration</u> (gym-music rm-auditorum-mechanical rm-elevator-other) <u>Air movement</u> (high-moderate-low)	-mechanical rm-elevat		<u>Barriers</u> (perm airtight-enclosed-encapst <u>Texture</u> (rough-pitted-moderate-smooth)	airtight-enclos pitted-modera	<u>Barriers</u> (perm airtight-enclosed-encapsulated) <u>Texture</u> (rough-pitted-moderate-smooth)
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Attn:	Ed Fennell Cardno ATC 290 Roberts Street Suite 301	Phone: Fax: Received: Analysis Date: Collected:	(860) 282-9924 (860) 282-9826 10/23/14 11:47 AM 10/25/2014 10/21/2014
	East Hartford, CT 06108		

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

				<u>Non-A</u>	sbestos	<u>A</u>	<u>sbestos</u>
Sample	Description	Appearance	% 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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Cardno ATC Fax: (860) 282-9826 290 Roberts Street Received: 10/23/14 11:47 AM Suite 301 Analysis Date: 10/25/2014 East Hartford, CT 06108 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

			<u>Non-A</u>	sbestos	Asbestos	
Sample	Description	Appearance	% 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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Attn:	Ed Fennell Cardno ATC 290 Roberts Street Suite 301	Phone: Fax: Received: Analysis Date: Collected:	(860) 282-9924 (860) 282-9826 10/23/14 11:47 AM 10/25/2014 10/21/2014
	East Hartford, CT 06108		

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**

				Non-Asbe	Asbestos		
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	%	Туре
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)		Anthophyllite Chrysotile
102114-112B 031441020-0016	EXTERIOR/ WEST END - EXTERIOR WINDOW CAULKING/ WOOD WINDOWS	Gray Non-Fibrous Homogeneous			32% Ca Carbonate 66% Non-fibrous (other)		Chrysotile Anthophyllite

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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



Attn:	Cardno ATC 290 Roberts Street Suite 301	Phone: Fax: Received: Analysis Date: Collected:	(860) 282-9924 (860) 282-9826 10/23/14 11:47 AM 10/25/2014 10/21/2014
	East Hartford, CT 06108	Constitut.	

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

				Non-Asbe	Asbestos	
Sample	Description	Appearance	%	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 Rec	ommended,		
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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Attn:	Ed Fennell	Phone:	(860) 282-9924
	Cardno ATC	Fax:	(860) 282-9826
	290 Roberts Street	Received:	10/23/14 11:47 AM
	Suite 301	Analysis Date:	10/25/2014
	East Hartford, CT 06108	Collected:	10/21/2014
	East Hartford, CT 06108		

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

				Non-Asbe	Asbestos		
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	%	Туре
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		Fibrous (other)	20% Matrix 77% Non-fibrous (other)		None Detected
			I EM Rec	ommended			
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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Cardno ATC	Fax:	(860) 282-9826
290 Roberts Street	Received:	10/23/14 11:47 AM
Suite 301	Analysis Date:	10/25/2014
East Hartford, CT 06108	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

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

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	Suite 301	Collected:	10/21/2014
	East Hartford, CT 06108		

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

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

Analyst(s):

Atterto man

Holanda Chou

Emmanuel Alberto PLM (15)

Samples reviewed and approved by:

James PAU

Yolanda Chow PLM (18)

James Hall, Laboratory Manager or other approved signatory

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Page H of H of H 290 Roberts Street, Suite 301 East Hartford, CT 06108 (860) 282-9924 Fax: (860) 282-9826	73,002,0 T	les Collected	Condition Sample_of Field Number (SD D ND) material)		201 4201 4201 1001 1	0		801-11/201 2 2 0		Sull C Q		Erlebility (yes-no; hard-mod-soft surges)	Lath 10/23/14 11:4790 2.	1 5:59PM 4 7:40ar
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CO Cardi ATC Shaping the Future	Cardno ATC Inspector: Accreditation No.: Survey Date:	Signature: 5 S	Building: Location	1 1	I HATES ALWS ROOM	- 134 Hours Large Larst	5 Even - Western	- T	Exterior - Last Enci	11	Cond Cond ts:	<u>Notes</u> Damage Factors: Disturbance Factors:	Relinquished By/Date:	StaldgSciAdmintTemplates and Forms

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OrderID: 031441020

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OrderID:	031441020				• • ·	
Page of 13	East Hartford, CT 06108 (860) 282-9924 Fax: (860) 282-9826	RERDWATZRFONTCT Sample_of (homogeneous Fleid Number material) 2 2 (D2(144)164		ding 1 4021-117201 2	1 1 1 1	Eriability (ves-no: hard-mod-cott curface) Barrilets (perm airtight-enclosed-encapsulate Barrilets (rough-pitted-moderate-ermooit) Texture (rough-pitted-moderate-ermooit)
0G	031441020 DCS 1225 122020 10: 10:	VIN (SD D ND) Collected No. Samples Collected No. Samples R/A (SD D ND) (homogened v/N (sd D ND)	222-	h 2		1 10 10
BULK SAMPLE LOG	Client Name: C Project No./Task No.: C/ Project Manager: E/ Requested Completion-Bate. 3 HR 6 HR 24 HR As HB	a nated	N-TX N-TX N-TX N-TX			10) Deterioration (Insury-moderate-light-none) Vibration (gym-music m-auditertum-mechanical m-etevator-other) dr. movement (Nigh-moderate-tow) dr. movement (Nigh-moderate-tow) dr. movement (Nigh-moderate-tow) Received By/Date: Received By/Date: Defender (Nigh-moderate-tow) Defender (Nigh-moderate-tow) Def
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Card ATC Shaping the Future	VTC Inspector: W ttion No.: ate: S	Building: KOSDI Hal Location Ena Flour South Kear-East	ge 2 Of 2		Comments: Moles Damage Factors:	ate: Date: Date: Lates and FormsVis



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

Attn:	Ed Fennell	Phone:	(860) 282-9924
	Cardno ATC	Fax:	(860) 282-9826
	290 Roberts Street	Received:	10/23/14 11:53 AM
	Suite 301	Analysis Date:	10/25/2014
	East Hartford, CT 06108	Collected:	10/21/2014

Project: 61.22573.0020T/ CT DCS/ HOSPTAL 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

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

Analyst(s)

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

James PAUL

James Hall, Laboratory Manager or other approved signatory

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EMSL Order:031441009CustomerID:ATCE54CustomerPO:14-061-0001ProjectID:

C 2 S	Ed Fennell Cardno ATC 290 Roberts Street Suite 301 East Hartford, CT 06108	Phone: Fax: Received: Analysis Date: Collected:	(860) 282-9924 (860) 282-9826 10/23/14 11:53 AM 10/25/2014 10/21/2014
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Project: 61.22573.0020T/ CT DCS/ HOSPTAL 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

				Non-Asl	<u>bestos</u>	<u>Asbestos</u>		
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	%	Туре	
102114-124A 031441009-0008	SOUTHWEST PITCHED ROOF - TAR PAPER	Black Non-Fibrous Heterogeneous			85% Non-fibrous (other)	15%	Chrysotile	
102114-124B 031441009-0009	SOUTHEAST PITCHED ROOF - TAR PAPER	Brown/Black Non-Fibrous Homogeneous			88% Non-fibrous (other)	12%	Chrysotile	
102114-125A 031441009-0010	LOW SOUTHEAST ROOF - ASPHALT PAPER COMPOSITE (ROOF FIELD)	Black Non-Fibrous Heterogeneous			80% Matrix 18% Non-fibrous (other)	2%	Chrysotile	
102114-125B 031441009-0011	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 031441009-0012	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) Shahrakur Mahmud (20)

James PALO

James Hall, Laboratory Manager or other approved signatory

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	Suite 301	Analysis Date:	10/25/2014
	East Hartford, CT 06108	Collected:	10/21/2014

Project: 61.22573.0020T/ CT DCS/ HOSPTAL 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

				Non-Asb	Asbestos		
Sample	Description	Appearance	% Fi	brous	% No	n-Fibrous	% Type
102114-126A	LOW	Brown	56% C	Cellulose	20%	Perlite	None Detected
031441009-0013	SOUTHEAST ROOF - BROWN INSULATION	Fibrous Heterogeneous			24%	Non-fibrous (other)	
102114-126B	LOW	Brown/Black	65% C	Cellulose	26%	Perlite	None Detected
031441009-0014	SOUTHWEST ROOF - BROWN INSULATION	Fibrous Heterogeneous			9%	Non-fibrous (other)	
102114-126C	LOW SOUTH	Brown	62% C	Cellulose	25%	Perlite	None Detected
031441009-0015	ROOF - BROWN	Fibrous Homogeneous			13%	Non-fibrous (other)	
102114-127A	KITCHEN ROOF	Gray			25%	Ca Carbonate	None Detected
031441009-0016	AT AIR HANDLER UNIT - CAULKING	Non-Fibrous Heterogeneous			75%	Non-fibrous (other)	
102114-127B	KITCHEN ROOF	Gray			70%	Matrix	None Detected
031441009-0017	AT AIR HANDLER UNIT - CAULKING	Non-Fibrous Homogeneous			30%	Non-fibrous (other)	
102114-128A	KITCHEN ROOF/	Brown	85% C	Cellulose	15%	Non-fibrous (other)	None Detected
031441009-0018	NORTH EAST ROOF (LOW) - BROWN INSULATION	Fibrous Homogeneous					
102114-128B	KITCHEN ROOF/	Brown	85% C	Cellulose	15%	Non-fibrous (other)	None Detected
031441009-0019	NORTH EAST ROOF (LOW) - BROWN INSULATION	Fibrous Heterogeneous					

Analyst(s)

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

James PAUL

James Hall, Laboratory Manager or other approved signatory

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

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	Cardno ATC	Fax:	(860) 282-9826
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	Suite 301	Analysis Date:	10/25/2014
	East Hartford, CT 06108	Collected:	10/21/2014
Projec	ct: 61.22573.0020T/ CT DCS/ HOSPTAL BUILDING/ SEASIDE HOSPIT	AL COMPLEX/ S	HORE ROAD/ WATERFORT, CT

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

			Non-Asl	Non-Asbestos			
Sample	Description	Appearance	% 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) Shahrakur Mahmud (20)

James PAUL

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



EMSL Order:031441009CustomerID:ATCE54CustomerPO:14-061-0001ProjectID:

Cardno ATC Fa 290 Roberts Street Re Suite 301	Phone: (860) 282-9924 Fax: (860) 282-9826 Received: 10/23/14 11:53 AM Analysis Date: 10/25/2014 Collected: 10/21/2014
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Project: 61.22573.0020T/ CT DCS/ HOSPTAL 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

			Non-Asbes	tos	<u>Asbestos</u>
Sample	Description	Appearance	% 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

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

290 Roberts Street	Fax: (860) 282-9826 Received: 10/23/14 11:53 AM Analysis Date: 10/25/2014 Collected: 10/21/2014	
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Project: 61.22573.0020T/ CT DCS/ HOSPTAL 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

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

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

Attn:	Ed Fennell	Phone:	(860) 282-9924
	Cardno ATC	Fax:	(860) 282-9826
	290 Roberts Street	Received:	10/23/14 11:53 AM
	Suite 301	Analysis Date:	10/25/2014
	East Hartford, CT 06108	Collected:	10/21/2014
Proje	ct: 61.22573.0020T/ CT DCS/ HOSPTAL BUILDING/ SEASIDE H	OSPITAL COMPLEX/ S	HORE ROAD/ WATERFORT, CT

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

			Non-Ast	<u>bestos</u>	<u>Asbestos</u>
Sample	Description	Appearance	% 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

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

Polarized Light Microscopy

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

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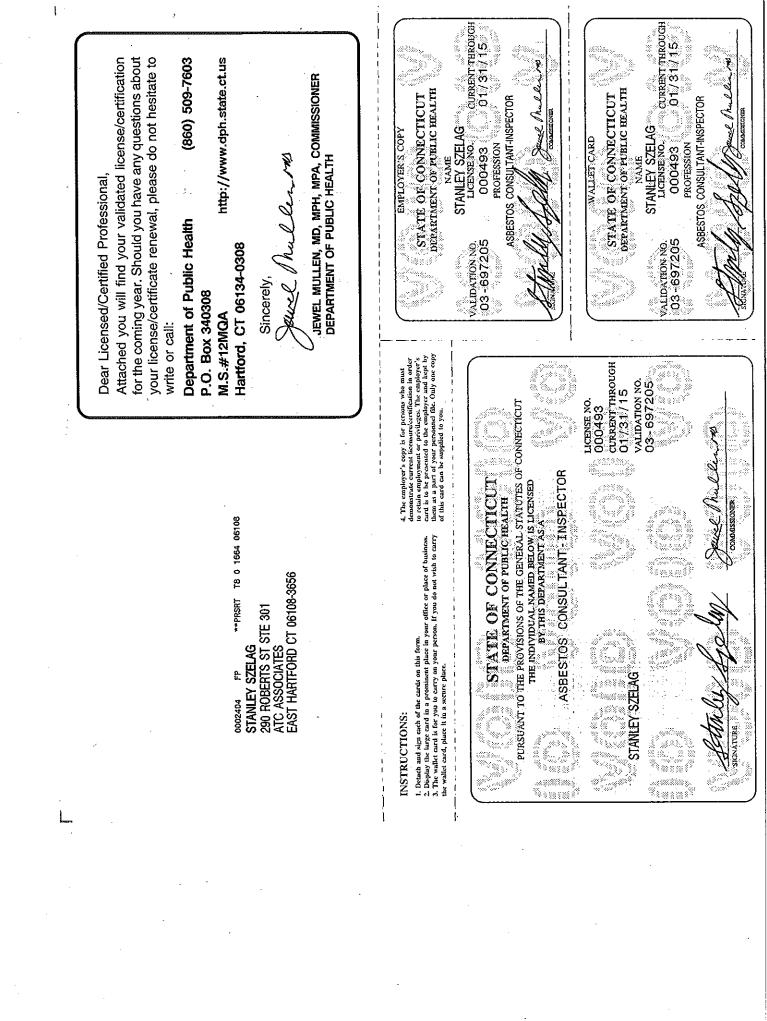
Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

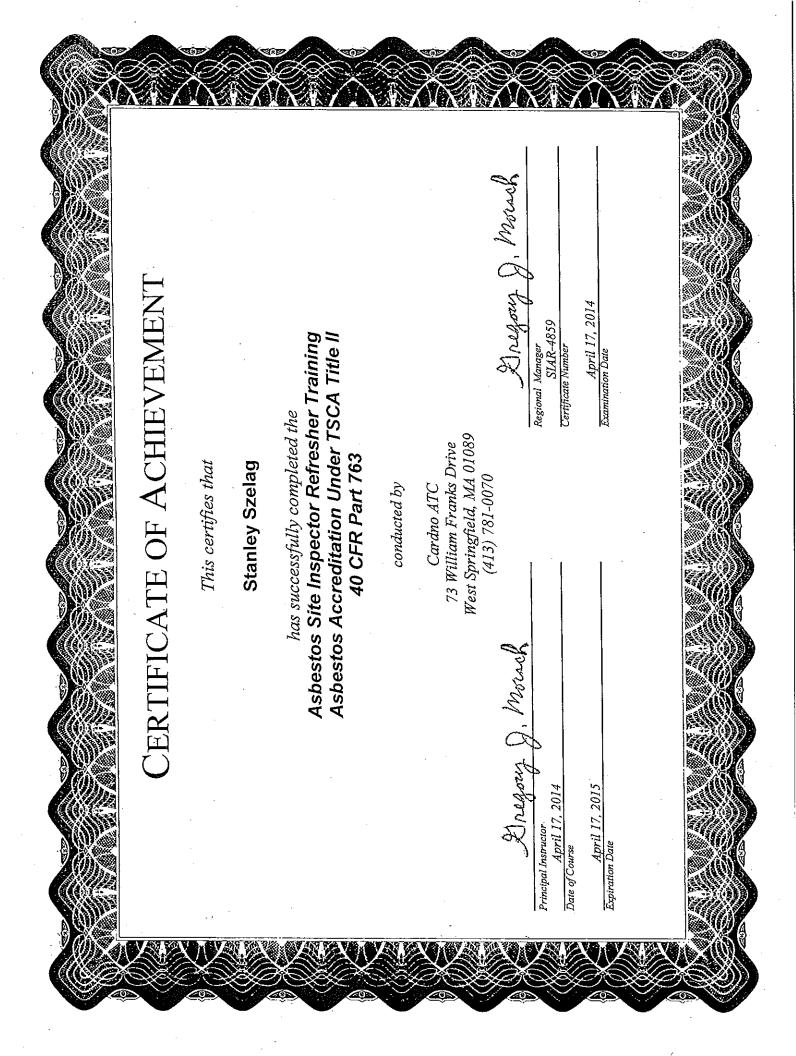
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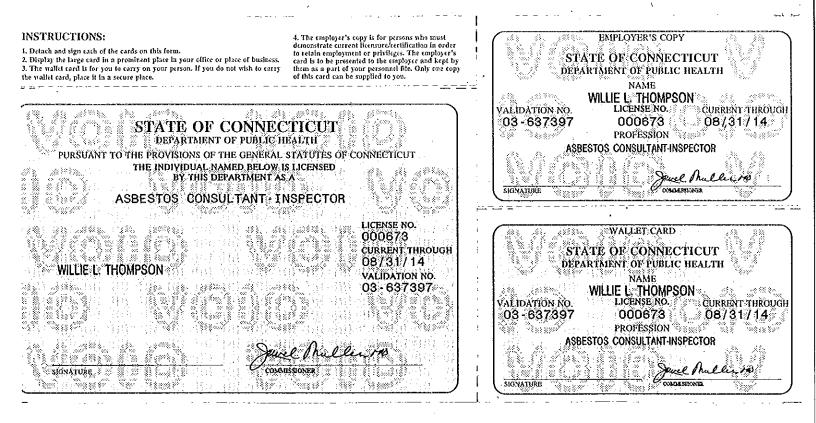
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APPENDIX A

LICENSE AND CERTIFICATION



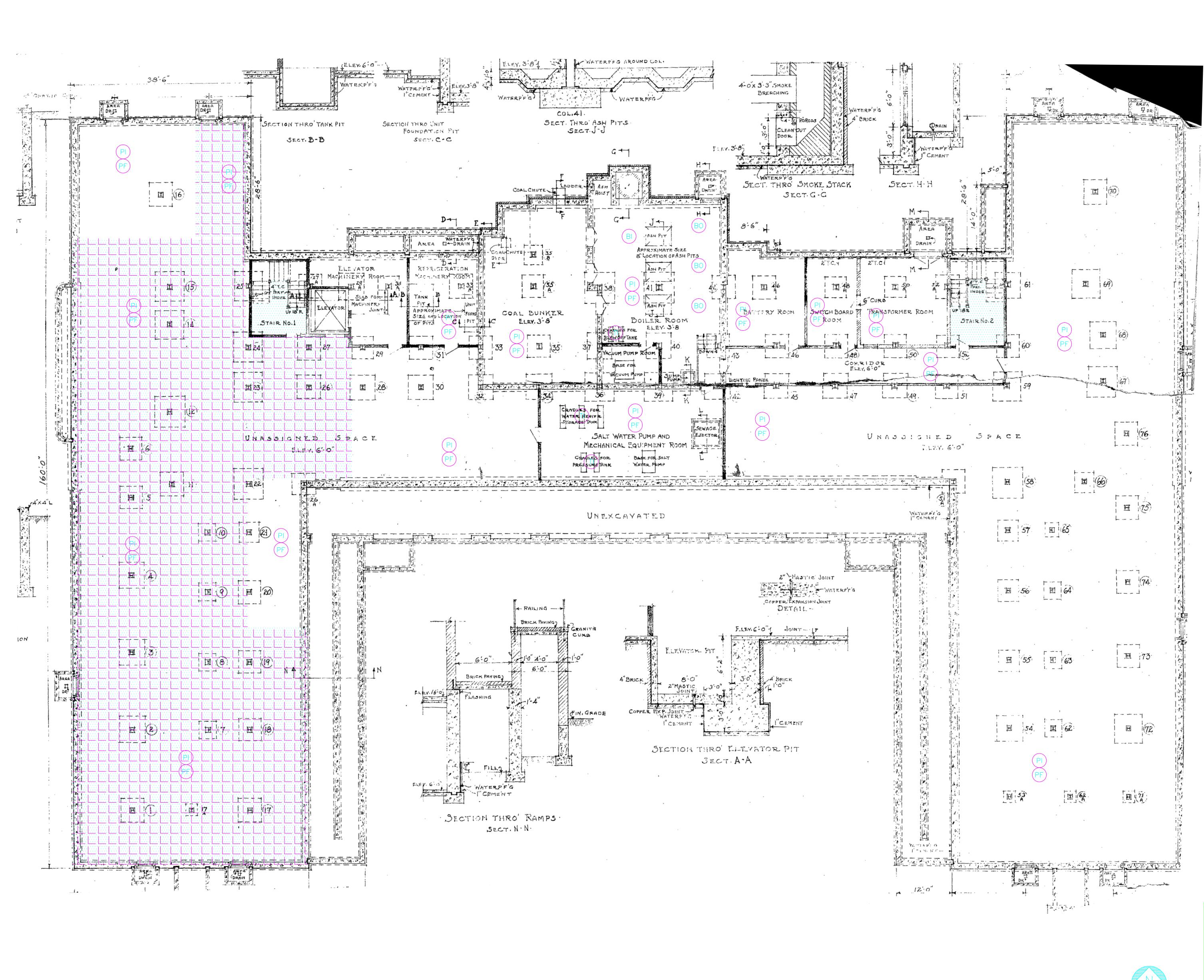




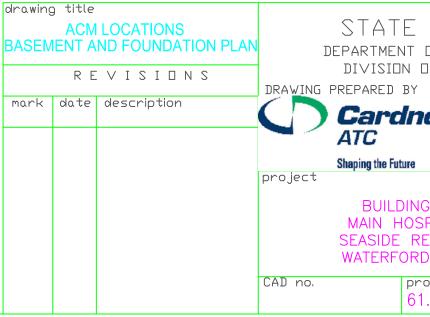
FICATE OF ACHIEVEMENT	This certifies that Willie L. Thompson, III	has successfully completed the Asbestos Site Inspector Refresher Training Asbestos Accreditation Under TSCA Title II 40 CFR Part 763	conducted by	Cardno ATC 73 William Franks Drive West Springfield, MA 01089 (413) 781-0070 Aneyory D, Marcel	Regional Manager: Gregory Morsch SIAR-4760 Certificate Number	January 23, 2014 Examination Date	
CERTII				Eller Addres	Principal Instructor: Edward Kolodziej January 23, 2014 Date of Course	January 23, 2015 Expiration Date	

APPENDIX B

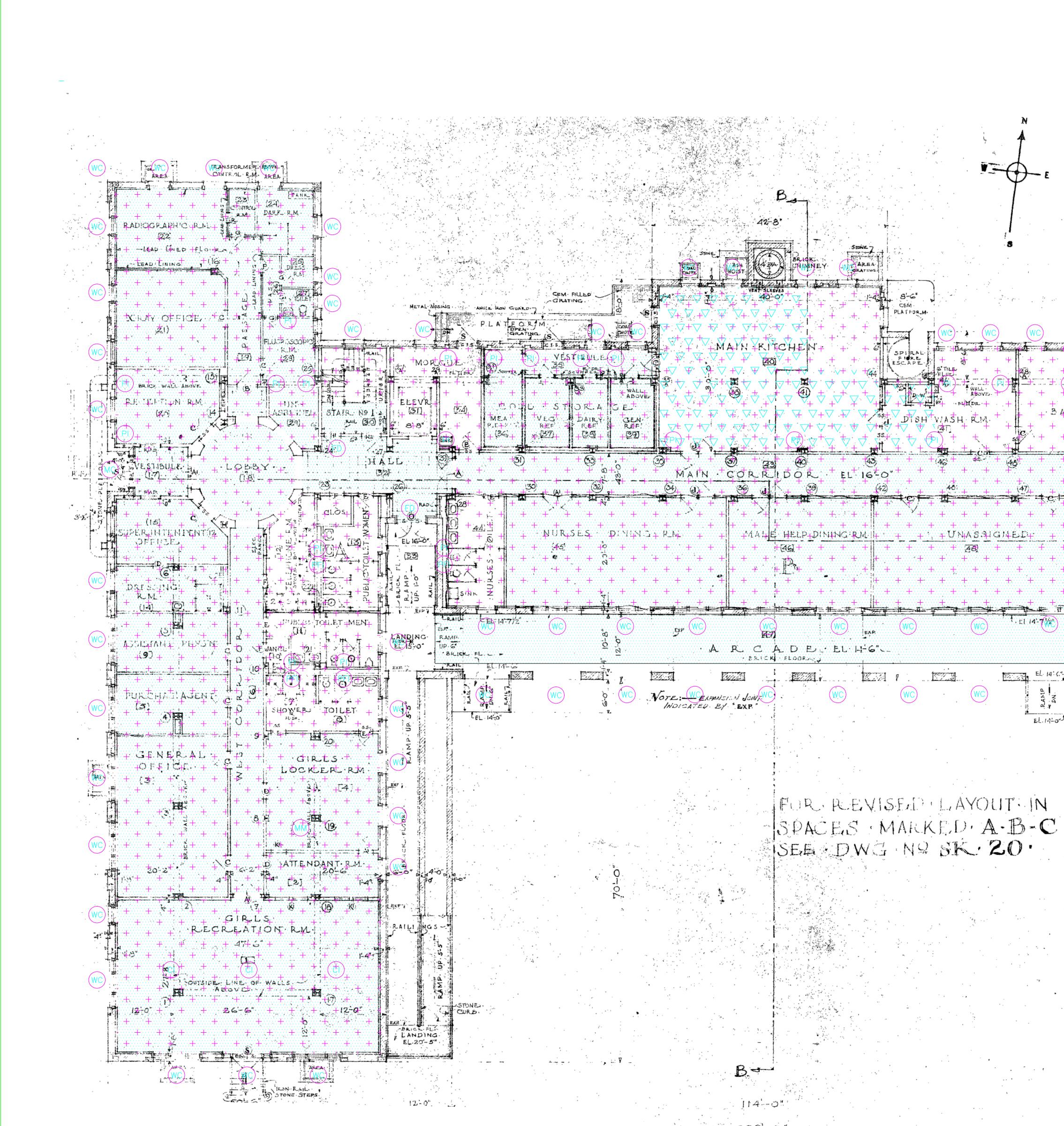
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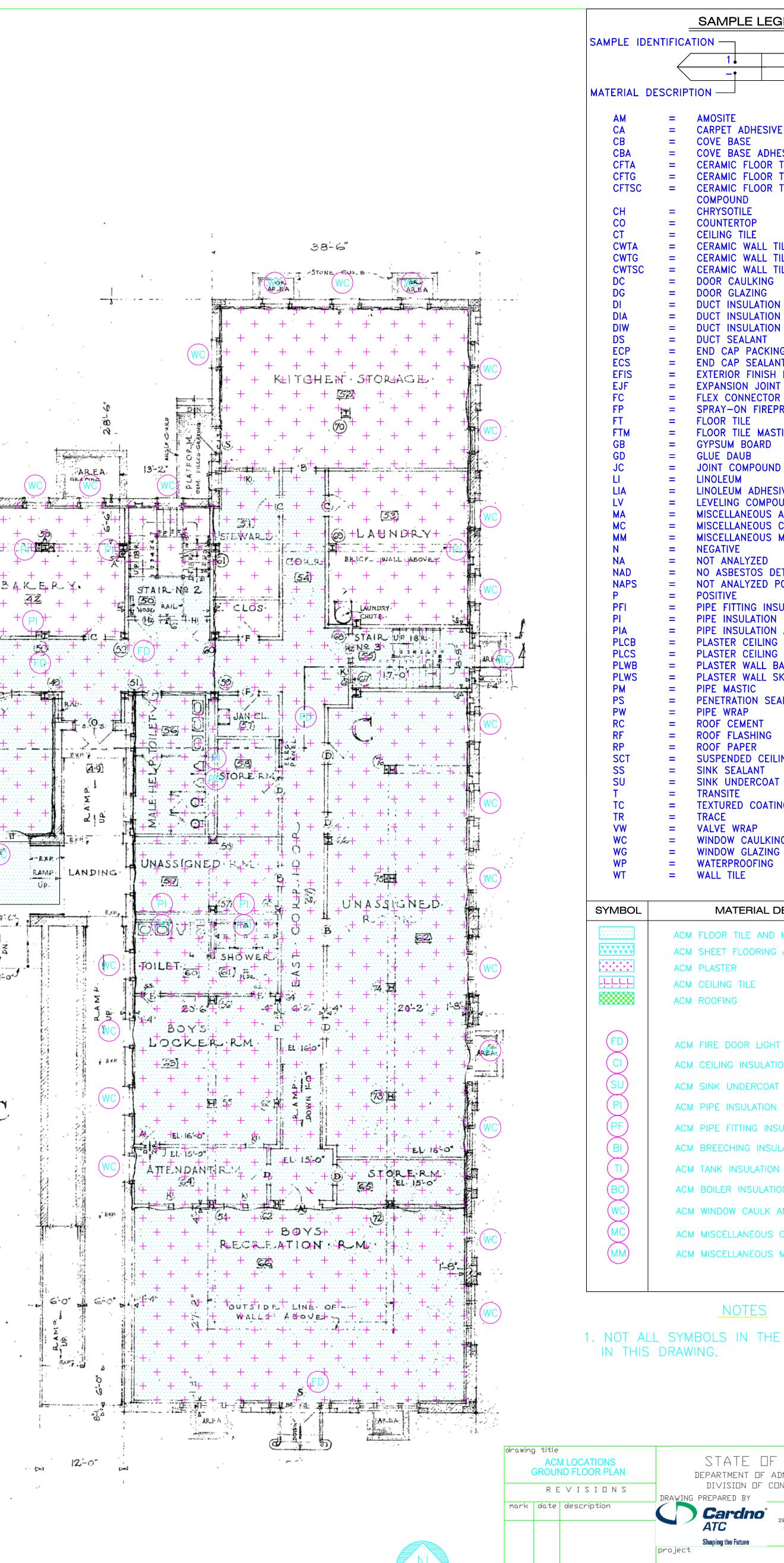
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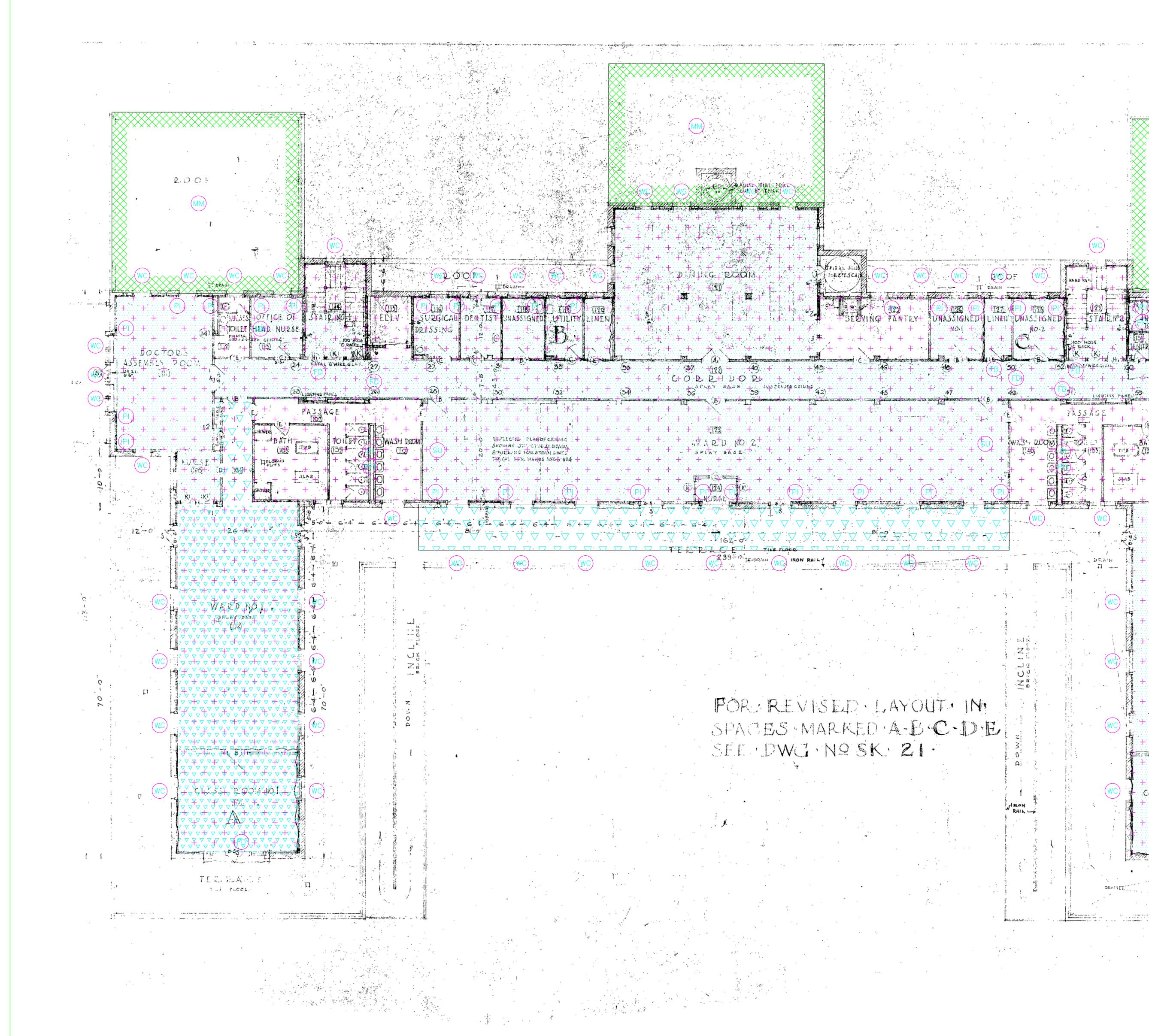
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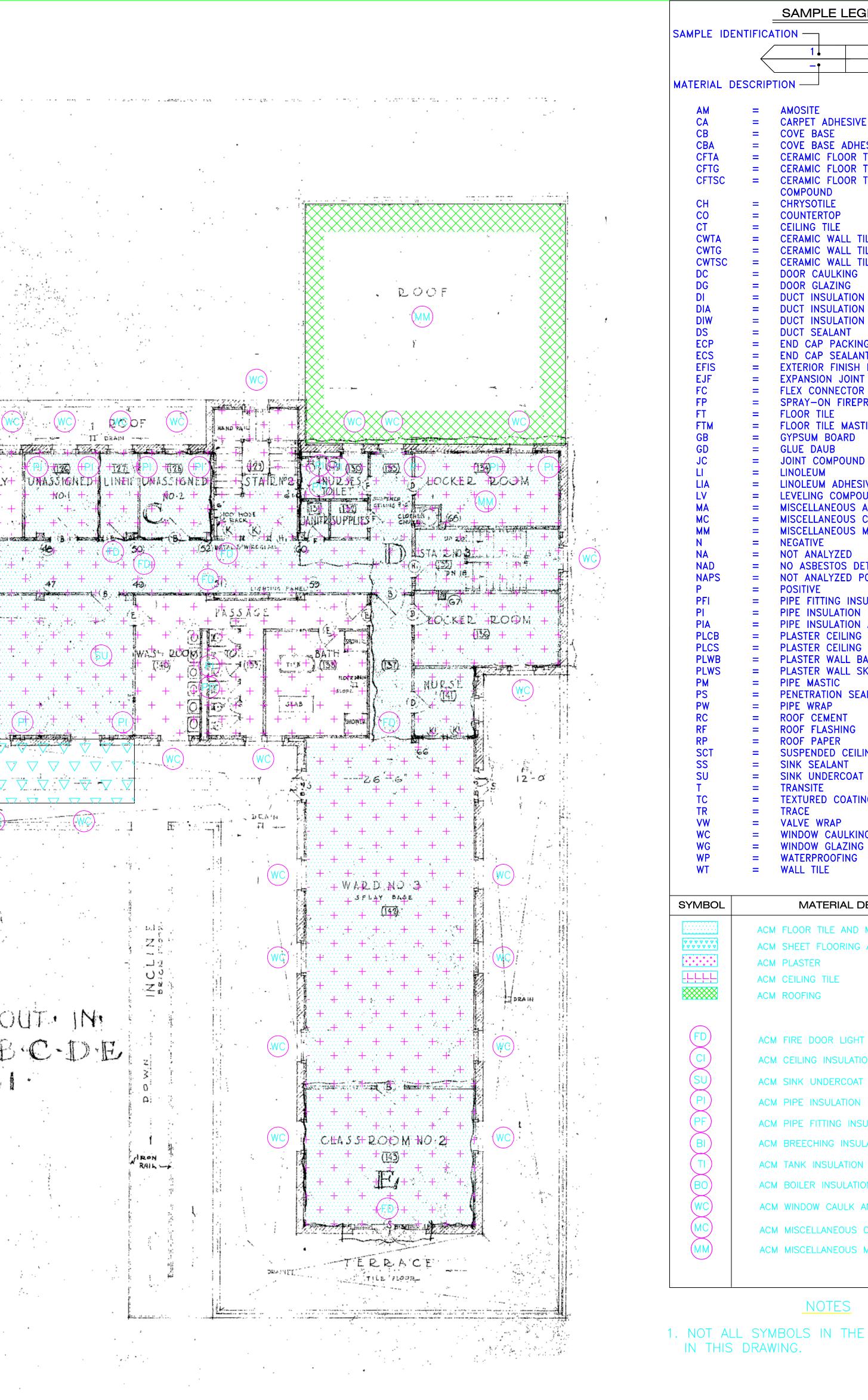


SAMPLE LEGEND - SAMPLE RESULT 1 •**†**— **— •** PERCENTAGE AND TYPE OF ASBESTOS CARPET ADHESIVE COVE BASE ADHESIVE CERAMIC FLOOR TILE ADHESIVE CERAMIC FLOOR TILE GROUT CERAMIC FLOOR TILE SETTING CERAMIC WALL TILE ADHESIVE CERAMIC WALL TILE GROUT CERAMIC WALL TILE SETTING COMPUND DOOR CAULKING DOOR GLAZING DUCT INSULATION DUCT INSULATION ADHESIVE DUCT INSULATION WRAP DUCT SEALANT END CAP PACKING END CAP SEALANT EXTERIOR FINISH INSULATION SYSTEM EXPANSION JOINT FILLER FLEX CONNECTOR SPRAY-ON FIREPROOFING FLOOR TILE MASTIC GYPSUM BOARD JOINT COMPOUND LINOLEUM ADHESIVE LEVELING COMPOUND MISCELLANEOUS ADHESIVE MISCELLANEOUS CAULKING MISCELLANEOUS MATERIAL NOT ANALYZED NO ASBESTOS DETECTED NOT ANALYZED POSITIVE STOP PIPE FITTING INSULATION PIPE INSULATION PIPE INSULATION ADHESIVE PLASTER CEILING BASE COAT PLASTER CEILING SKIM COAT = PLASTER WALL BASE COAT PLASTER WALL SKIM COAT PENETRATION SEALANT ROOF FLASHING SUSPENDED CEILING TILE SINK SEALANT SINK UNDERCOAT TEXTURED COATING WINDOW CAULKING WINDOW GLAZING WATERPROOFING MATERIAL DESCRIPTION ACM FLOOR TILE AND MASTIC ACM SHEET FLOORING AND MASTIC ACM FIRE DOOR LIGHT GLAZING ACM CEILING INSULATION ACM PIPE FITTING INSULATION ACM BREECHING 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 STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES **Cardno**" ATC 12/24/1 290 Roberts Street – Suite 301 East Hartford, CT 06108 Tel.(860)282-9924 Fax.(860)282-9826 scale 1/4"= 1 drawn by BLS BUILDING INSPECTION approved by MAIN HOSPITAL BUILDING SEASIDE REGIONAL CENTER drawing no. WATERFORD, CONNECTICUT ASB-2 project no. 61.22573.0020 TASK 20068

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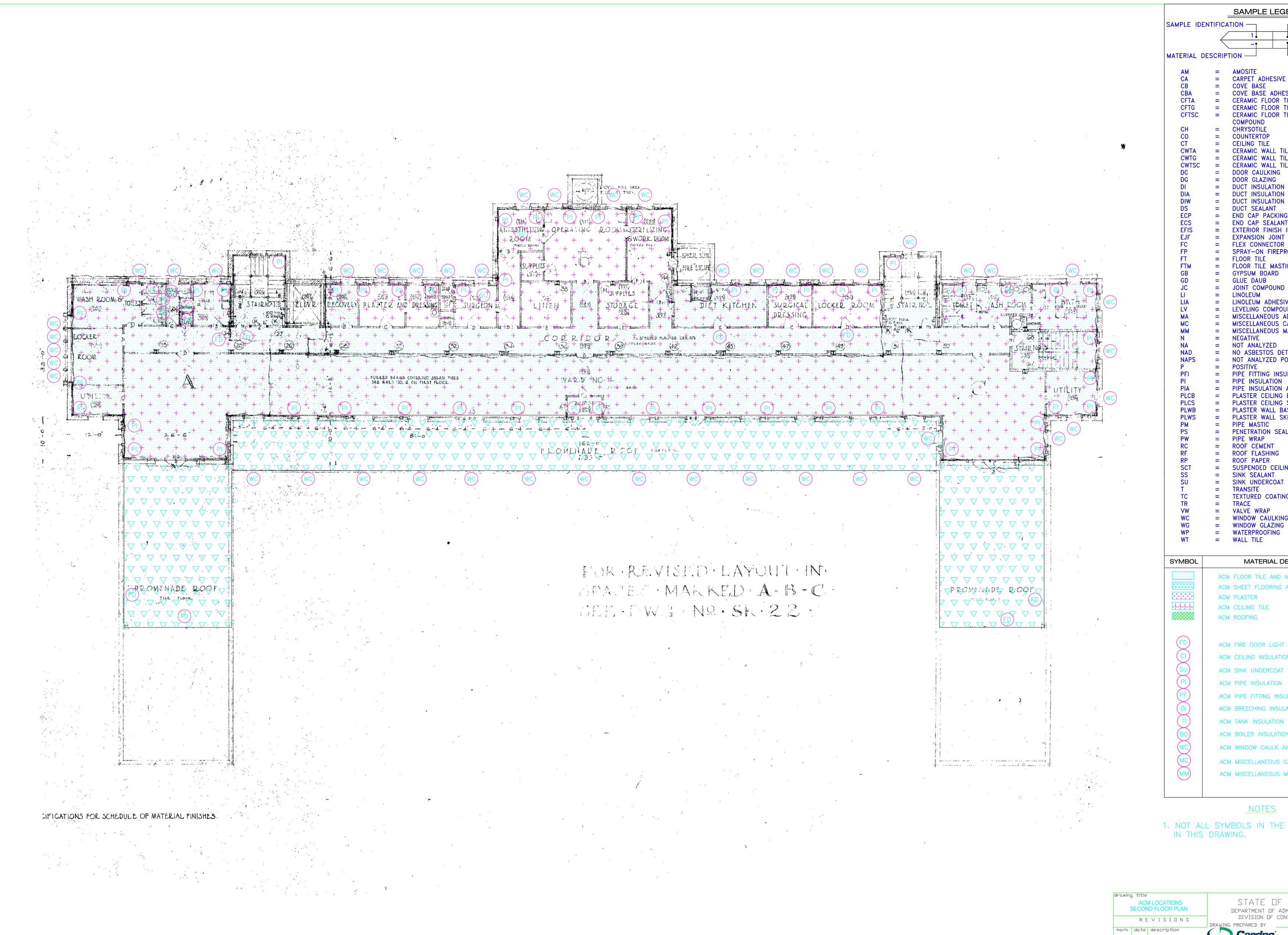


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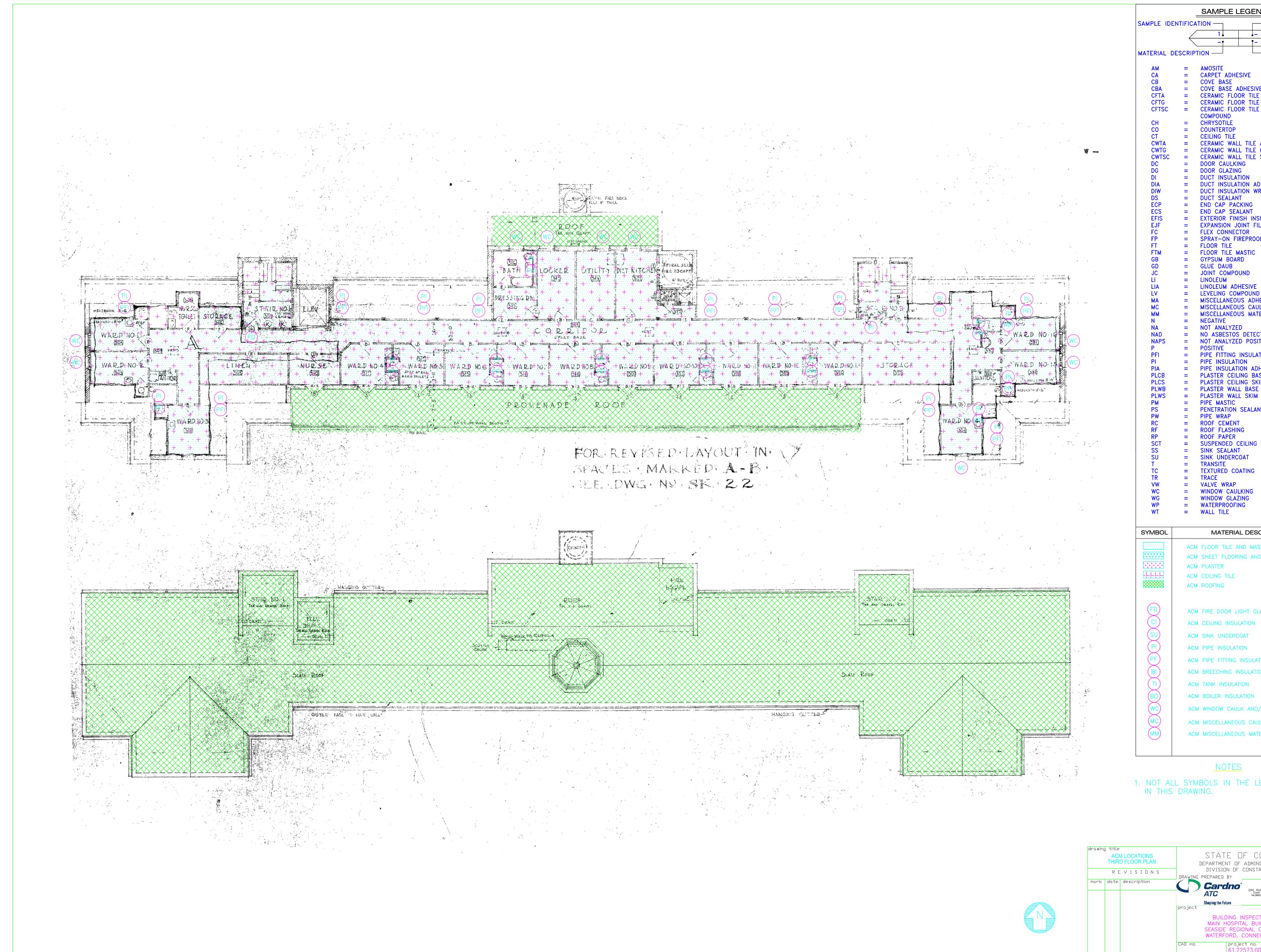
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SAMPLE LEGEND - SAMPLE RESULT 14 **— •** PERCENTAGE AND TYPE OF ASBESTOS CARPET ADHESIVE COVE BASE ADHESIVE CERAMIC FLOOR TILE ADHESIVE CERAMIC FLOOR TILE GROUT CERAMIC FLOOR TILE SETTING CERAMIC WALL TILE ADHESIVE CERAMIC WALL TILE GROUT CERAMIC WALL TILE SETTING COMPUND DOOR CAULKING DOOR GLAZING DUCT INSULATION DUCT INSULATION ADHESIVE DUCT INSULATION WRAP DUCT SEALANT END CAP PACKING END CAP SEALANT EXTERIOR FINISH INSULATION SYSTEM EXPANSION JOINT FILLER FLEX CONNECTOR SPRAY-ON FIREPROOFING FLOOR TILE MASTIC GYPSUM BOARD JOINT COMPOUND LINOLEUM ADHESIVE LEVELING COMPOUND MISCELLANEOUS ADHESIVE MISCELLANEOUS CAULKING MISCELLANEOUS MATERIAL NOT ANALYZED NO ASBESTOS DETECTED NOT ANALYZED POSITIVE STOP PIPE FITTING INSULATION PIPE INSULATION PIPE INSULATION ADHESIVE PLASTER CEILING BASE COAT PLASTER CEILING SKIM COAT = PLASTER WALL BASE COAT PLASTER WALL SKIM COAT PENETRATION SEALANT ROOF FLASHIN SUSPENDED CEILING TILE SINK SEALANT SINK UNDERCOAT **TEXTURED COATING** WINDOW CAULKING WINDOW GLAZING WATERPROOFING MATERIAL DESCRIPTION ACM FLOOR TILE AND MASTIC ACM SHEET FLOORING AND MASTIC ACM FIRE DOOR LIGHT GLAZING ACM CEILING INSULATION ACM PIPE FITTING INSULATION ACM BREECHING 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 FATE OF CONNECTICUT TMENT OF ADMINISTRATIVE SERVICES /ISION OF CONSTRUCTION SERVICES RED BY date rdno 12/24/1 290 Roberts Street – Suite 301 East Hartford, CT 06108 Tel.(860)282–9924 Fax.(860)282–9826 scale 1/4"= 1 the Future drawn by BLS BUILDING INSPECTION AIN HOSPITAL BUILDING ASIDE REGIONAL CENTER approved by drawing no. ERFORD, CONNECTICUT ASB-3 project no. 61.22573.0020 TASK 20068



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SAMPLE LEGEND - SAMPLE RESULT 1 •**†**— **— •** PERCENTAGE AND TYPE OF ASBESTOS CARPET ADHESIVE COVE BASE ADHESIVE CERAMIC FLOOR TILE ADHESIVE CERAMIC FLOOR TILE GROUT CERAMIC FLOOR TILE SETTING CERAMIC WALL TILE ADHESIVE CERAMIC WALL TILE GROUT CERAMIC WALL TILE SETTING COMPUND DOOR CAULKING DOOR GLAZING DUCT INSULATION DUCT INSULATION ADHESIVE DUCT INSULATION WRAP DUCT SEALANT END CAP PACKING END CAP SEALANT EXTERIOR FINISH INSULATION SYSTEM EXPANSION JOINT FILLER FLEX CONNECTOR SPRAY-ON FIREPROOFING FLOOR TILE MASTIC GYPSUM BOARD JOINT COMPOUND LINOLEUM ADHESIVE LEVELING COMPOUND MISCELLANEOUS ADHESIVE MISCELLANEOUS CAULKING MISCELLANEOUS MATERIAL NOT ANALYZED NO ASBESTOS DETECTED NOT ANALYZED POSITIVE STOP PIPE FITTING INSULATION PIPE INSULATION PIPE INSULATION ADHESIVE PLASTER CEILING BASE COAT PLASTER CEILING SKIM COAT PLASTER WALL BASE COAT PLASTER WALL SKIM COAT PENETRATION SEALANT **ROOF CEMENT** ROOF FLASHING ROOF PAPER SUSPENDED CEILING TILE SINK SEALANT SINK UNDERCOAT **TEXTURED COATING** VALVE WRAP WINDOW CAULKING WINDOW GLAZING WATERPROOFING MATERIAL DESCRIPTION ACM FLOOR TILE AND MASTIC ACM SHEET FLOORING AND MASTIC ACM FIRE DOOR LIGHT GLAZING ACM CEILING INSULATION ACM PIPE FITTING INSULATION ACM BREECHING 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 ATE OF CONNECTICUT MENT OF ADMINISTRATIVE SERVICES ISION OF CONSTRUCTION SERVICES ED BY ____ rdno 12/24/1 290 Roberts Street – Suite 301 East Hartford, CT 06108 Tel.(860)282–9924 Fax.(860)282–9826 scale 1/4"= 1 e Future drawn by BLS JILDING INSPECTION approved by N HOSPITAL BUILDING IDE REGIONAL CENTER drawing no. RFORD, CONNECTICUT ASB-4 project no. 61.22573.0020 TASK 20068



SAMPLE LEGEND - SAMPLE RESULT •**†**— **— •** PERCENTAGE AND TYPE OF ASBESTOS CARPET ADHESIVE COVE BASE ADHESIVE CERAMIC FLOOR TILE ADHESIVE CERAMIC FLOOR TILE GROUT CERAMIC FLOOR TILE SETTING CERAMIC WALL TILE ADHESIVE CERAMIC WALL TILE GROUT CERAMIC WALL TILE SETTING COMPUND DOOR CAULKING DUCT INSULATION DUCT INSULATION ADHESIVE DUCT INSULATION WRAP END CAP PACKING END CAP SEALANT EXTERIOR FINISH INSULATION SYSTEM EXPANSION JOINT FILLER FLEX CONNECTOR SPRAY-ON FIREPROOFING FLOOR TILE MASTIC JOINT COMPOUND LINOLEUM ADHESIVE LEVELING COMPOUND MISCELLANEOUS ADHESIVE MISCELLANEOUS CAULKING MISCELLANEOUS MATERIAL NO ASBESTOS DETECTED NOT ANALYZED POSITIVE STOP PIPE FITTING INSULATION PIPE INSULATION PIPE INSULATION ADHESIVE PLASTER CEILING BASE COAT PLASTER CEILING SKIM COAT = PLASTER WALL BASE COAT PLASTER WALL SKIM COAT PENETRATION SEALANT ROOF FLASHING SUSPENDED CEILING TILE SINK UNDERCOAT TEXTURED COATING WINDOW CAULKING WINDOW GLAZING WATERPROOFING MATERIAL DESCRIPTION ACM FLOOR TILE AND MASTIC ACM SHEET FLOORING AND MASTIC ACM FIRE DOOR LIGHT GLAZING ACM PIPE FITTING INSULATION ACM BREECHING INSULATION ACM WINDOW CAULK AND/OR GLAZING ACM MISCELLANEOUS CAULK ACM MISCELLANEOUS MATERIAL NOTES 1. NOT ALL SYMBOLS IN THE LEGEND ARE USED STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES 290 Roberts Street - Suite 301 East Hartford, CT 06108 Tel.(860)282-9924 Fox.(860)282-9826 Shaping the Future Droject date 12/24/1 scale 1/4"= 1 drawn by BLS BUILDING INSPECTION approved by MAIN HOSPITAL BUILDING SEASIDE REGIONAL CENTER drawing no. WATERFORD, CONNECTICUT ASB-5 project no. 61.22573.0020 TASK 20068