



ENVIRONMENTAL SERVICE GROUP JOB # AS-1905

ASBESTOS INSPECTION REPORT

COMMERCIAL PROPERTY

**505 9TH AVE. NORTH
MYRTLE BEACH, SC**



Prepared For:

**City of Myrtle Beach
Construction Services
ATTN: Chris Lee
843.918.1111
843.602.2635**

Prepared By:

**Jeremy Hudson
Environmental Service Group
P.O. Box 2798
Myrtle Beach, SC 29578
843-742-1344**

23 July 2019

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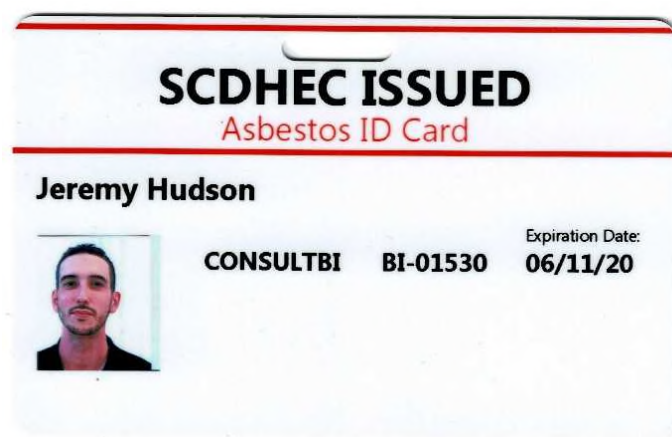
LABORATORY RESULTS

Section 1.0

Signature Page

This report, entitled Inspection Report: Commercial Property – 505 9th Ave. North in Myrtle Beach, SC has been prepared, at the request of Chris Lee, of the City of Myrtle Beach, by Environmental Service Group (ESG). The inspection was conducted by and the report was prepared and reviewed by the undersigned.

Inspection Conducted By:	SC-DHEC #	License Expiration Date	Signature	Date
Jeremy Hudson	BI-01530	06/11/2020		05/22/2019
Report Prepared By:	SC-DHEC #	License Expiration Date	Signature	Date
Jeremy Hudson	BI-01530	06/11/2020		07/23/2019



Section 2.0

Executive Summary

As authorized by Chris Lee, ESG conducted an Asbestos Survey of the facility on Wednesday May 22, 2019. The purpose of this survey was to identify any Asbestos Containing Building Materials (ACBM's) within the structure. The facility has been vacant for some time and is scheduled for future demolition.

The subject building, total approximately 4,652 Sq Ft \pm is a single story commercial structure that was previously used as a recreational/entertainment "Escape Room". The facility consists of multiple rooms of various size, divided by partition walls, with a long corridor running through the center of the building, from front to back. The rear portion of the structure contains multiple restrooms and a "kitchen"/break room. There were no indications that it had ever been utilized for the manufacturing and/or storage of materials that would be considered a threat to human health. Information gained would indicate that the building was constructed in 1950, but has undergone several renovations since the original construction.

A visual description of building materials found within the facility would include floor coverings of *9x9 Floor Tiles w/Mastic, Carpet w/*Mastic, and non-suspect Ceramic/Porcelain Tile. Ceiling coverings consisted of *Plaster Ceilings w/associated *Joint Compounds, *Sprayed Ceiling Texture, *and Stipple Ceiling Texture. Interior walls consisted of non-suspect wood paneling, *Sheetrock w/associated *Joint Compounds, *Plaster w/associated *Joint Compounds, and *Knock-Down Texture. There was no insulation observed within the interior wall cavities. The roof consisted of a Build-Up Roof System with multiple layers of *Asphalt/Tar-Like Membrane and *Asphalt/Tar Flashing.

NOTE: Materials with * were suspect of containing asbestos and were sampled.

Asbestos Assessment: There were materials suspect of being Asbestos Containing Building Materials (ACBMs).

During the asbestos survey, a total of fifty-one (51) samples of suspect/unknown building materials were collected and submitted for laboratory analysis by Polarized Light Microscopy (PLM) and the Point Count Method.

((((Asbestos Containing Building Materials (ACBMs) WERE identified within the facility.))))

***HA1 – 9x9 Floor Tiles – 4% Chrysotile Present in Floor Tile, 5% Chrysotile Present in Mastic**

***HA60 – Wall Mastic – 5% Chrysotile Present in Mastic**

***HA90 – Exterior Wall Covering – 7% Chrysotile Present in Black Adhesive-Like Material**

^see Section 3(Site Plan) and Section 4.1 for details

***These materials are currently classified as Friable and Non-Friable Asbestos Containing Building Materials (ACBMs), however, may become Friable depending on removal process and will need to be removed by a South Carolina Licensed Abatement Contractor.**

If desired, *Environmental Service Group* will assist in preparing, an *Asbestos Abatement Project Licenses Application* (DHEC form 3430) and a *Notification of Demolition* (DHEC Form 3428), and forward them to the South Carolina Department of Health and Environmental Control-Asbestos Division for action as

appropriate. The projected date for approval to proceed will be approximately ten (10) working days after date of posting.

This report is based on a non-destructive survey of an unfamiliar site. Every effort was made to locate the presence of asbestos containing building materials (ACBMs) within the areas included in the survey. It is recognized that construction techniques often create inaccessible void spaces, which without destructive sampling techniques being employed, would not be accessed during this survey. It must therefore be assumed that ACBMs other than those located within the survey may exist within the facility.

For the reasons set above, we cannot give assurances that all asbestos containing materials have been located and as such we recommend that further sampling be undertaken should these areas become accessible during the course of any future renovation and/or demolition activities.

Jeremy Hudson

Consultant

SCDHEC Accreditation # BI-01530

Section 3.0

Scope of Work

Environmental Service Group utilized only SCDHEC licensed and AHERA certified asbestos building inspectors, management planners and/or project designers, as needed, to complete the project. The laboratory utilized, EHS Laboratories, is accredited IAW 40 CFR 163 & FR/ Vol. 52. No. 210_763.91 Analysis.

Visual Inspection

An initial building walk-through was conducted to determine the presence and condition of suspect materials that were accessible and/or exposed. Materials which were visually similar in color, texture, and general appearance, and which appeared to have been installed at the same time were grouped into homogeneous sampling areas. Such materials are termed “homogeneous materials” by the EPA. During this walk-through, the approximate locations of the observed homogeneous materials were noted. Only materials that were accessible and/or exposed and suspected to contain asbestos were identified. Following the EPA inspection protocol, each identified suspect homogeneous material may be placed in one of the following EPA classifications:

- Surfacing Materials (spray or trowel applied to building members)
- Thermal System Insulation (materials generally applied to various mechanical systems)
- Miscellaneous Materials (any materials which do not fit either of the above categories)

Sampling Procedures

Following the visual survey, the inspector collected representative samples of exposed and/or accessible materials identified as suspect ACM. Sampling was limited to those accessible materials not involving wholesale destruction of walls, other building elements, physical barriers, or the structural integrity of the component being tested.

General EPA guidelines were used to determine the sampling protocol. Sampling locations were chosen to be representative of the homogeneous materials.

Quantification

Quantities of accessible and/or exposed building materials that were identified as suspect asbestos-containing materials were estimated. This estimation was conducted by taking approximate measurements in the field.

Quantities are estimates and should be confirmed by an engineering survey if demolition activities are contemplated. The level of detail provided by an engineering survey, which is required for a construction estimate, is beyond the scope of the present survey.

Material Assessment

The condition of the suspect material is an indication of the likelihood that it may release asbestos fibers in to the environment. The combination of its current condition coupled with the potential for damage to the material in the future determines which EPA response priority is appropriate for that material.

The condition of each homogeneous suspect material identified within the facility was assessed using the EPA decision tree approach. The friability of each material was determined and then its condition and potential for future damage was assessed using the following criteria:

Source and type of damage

- Physical contact
- Water or air erosion
- Deterioration or material delamination

Extent of damage:

- Good: No damage or little damage
- Damaged: Less than 10% damage, evenly distributed over the entire material or less than 25% damage confined to a localized area of the material.
- Significantly damaged: 10% or more damage distributed evenly over the entire material or 25% or more damage within a localized area of the material

Potential for future damage:

- Frequency of access to material
- Height of material
- Location of material in a plenum
- Exposure of material
- Accessibility
- Presence in an area of air movement, vibrations, loud noises

Section 4.0 Material Data Tables

4.1 Suspect Material Data Table

Project Name: AS1905 – Commercial Property
Site: 505 9th Ave. N. Myrtle Beach, SC

Inspector Name: Jeremy Hudson
Date: 23 July 2019

HA #	AC M	MATERIAL DESCRIPTION	CATEGORY	FRIABLE F/NF	QUANTITY SQ FT±	NO. SAMPLE TAKEN	PRESENT CONDITION	POTENTIAL FOR DISTURBANCE	COMMENTS
1	P	9x9 FLOOR TILES W/MASTIC	MISC	*NF	4,652 SQ FT±	3	G	LPD	4% CHRYSOTILE PRESENT IN TILES 5% CHRYSOTILE PRESENT IN MASTIC
	LOCATION: ALL ROOMS – SOME EXPOSED, SOME COVERED BY CARPET OR TILE						NOTE: *CURRENTLY NF BUT MAY BECOME FRIABLE BASED ON ACTIONS PLACED UPON IT		
2	ND	CARPET MASTIC	MISC	--	1,652 SQ FT±	3	G	LPD	ND
	LOCATION: ROOMS 1, 2, 3, 4, 5, 6, 9, KITCHEN						NOTE:		
20	ND	SHEETROCK WALLS	SURF	--	4,750 SQ FT±	5	G	LPD	ND
	LOCATION: ROOMS 1, 2, 3, 4, 5, 6, 7, KITCHEN, BATH 1, BATH 2						NOTE:		
21	ND	KNOCK-DOWN TEXTURE	SURF	--	4,750 SQ FT±	3	G	LPD	ND
	LOCATION: ROOMS 1, 2, 3, 4, 5, HALL 3						NOTE:		
22	ND	PLASTER WALLS	SURF	--	3,875 SQ FT±	5	G	LPD	ND
	LOCATION: EXTERIOR PERMITER WALLS (ORIGINAL FINISH)						NOTE:		
30	ND	PLASTER CEILINGS	SURF	--	3,850 SQ FT±	5	D	LPD	ND
	LOCATION: ALL ROOMS						NOTE:		
31	ND	SPRAYED CEILING TEXTURE	SURF	--	3,850 SQ FT±	5	D	LPD	ND
	LOCATION: ROOMS 1-10, HALL 1, HALL 2, FRONT ENTRY						NOTE:		
32	ND	STIPPLE CEILING TEXTURE	SURF	--	802 SQ FT±	3	G	LPD	ND
	LOCATION: ROOMS 1, 2 (DROP CEILINGS)						NOTE:		

(ACM) ASBESTOS FINDINGS P = POSITIVE (%) ND = NON DETECT

PRESENT CONDITION

CATEGORY (SURF) SURFACING, TSI, (MISC) MISCELLANEOUS

G = GOOD (VERY LOCALIZED LIMITED DAMAGE)

D = DAMAGED (DAMAGE < 10% DISTRIBUTED OR < 25% LOCALIZED)

SD = SIGNIFICANTLY DAMAGED (DAMAGE = OR > 10% DISTRIBUTED / 25% LOCALIZED)

POTENTIAL FOR FUTURE DISTURBANCES

LPD = LOW POTENTIAL FOR DISTURBANCE (CONTACT/VIBRATION/AEROSION ALL OF LOW CONCERN)

PD = POTENTIAL FOR DAMAGE (CONTACT/ VIBRATION/ AIR EROSION OF MODERATE CONCERN)

PSD = POTENTIAL FOR SIGNIFICANT DAMAGE (CONTACT/VIBRATION/AIR EROSION OF HIGH CONCERN)

HA# = HOMOGENOUS AREA NUMBER

Section 4.0 Material Data Tables

4.1 Suspect Material Data Table

Project Name: AS1905 – Commercial Property
Site: 505 9th Ave. N. Myrtle Beach, SC

Inspector Name: Jeremy Hudson
Date: 23 July 2019

HA #	AC M	MATERIAL DESCRIPTION	CATEGORY	FRIABLE F/NF	QUANTITY SQ FT±	NO. SAMPLE TAKEN	PRESENT CONDITION	POTENTIAL FOR DISTURBANCE	COMMENTS
40	ND	JOINT COMPOUND	SURF	--	12,475 SQ FT±	7	G	LPD	ND
		LOCATION: ALL ROOMS					NOTE:		
60	P	WALL MASTIC	MISC	*NF	515 SQ FT±	3	G	LPD	5% CHRYSOTILE PRESENT IN MASTIC
		LOCATION: KITCHEN					NOTE: *CURRENTLY NF BUT MAY BECOME FRIABLE BASED ON ACTIONS PLACED UPON IT		
70	ND	ACOUSTICAL CEILING TILES	MISC	--	144 SQ FT±	3	SD	LPD	ND
		LOCATION: KITCHEN (UPPER STORAGE SHELF – NOT INSTALLED)					NOTE:		
80	ND	ROOFING MATERIALS – CORE SAMPLES	MISC	--	4,652 SQ FT±	3	G	LPD	ND
		LOCATION: ENTIRE ROOF, VARIOUS LOCATIONS					NOTE:		
90	P	EXTERIOR WALL COVERING	SURF	F	680 SQ FT±	3	G	LPD	7% CHRYSOTILE PRESENT IN BLACK ADHESIVE-LIKE MATERIAL
		LOCATION: FRONT EXTERIOR WALLS					NOTE:		
		LOCATION:					NOTE:		
		LOCATION:					NOTE:		
		LOCATION:					NOTE:		

(ACM) ASBESTOS FINDINGS P = POSITIVE (%) ND = NON DETECT

PRESENT CONDITION

CATEGORY (SURF) SURFACING, TSI, (MISC) MISCELLANEOUS

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D = DAMAGED (DAMAGE < 10% DISTRIBUTED OR < 25% LOCALIZED)

SD = SIGNIFICANTLY DAMAGED (DAMAGE = OR > 10% DISTRIBUTED / 25% LOCALIZED)

POTENTIAL FOR FUTURE DISTURBANCES

LPD = LOW POTENTIAL FOR DISTURBANCE (CONTACT/VIBRATION/AEROSOL ALL OF LOW CONCERN)

HA# = HOMOGENOUS AREA NUMBER

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PSD = POTENTIAL FOR SIGNIFICANT DAMAGE (CONTACT/VIBRATION/AIR EROSION OF HIGH CONCERN)

4.2 Building Materials

Project Name: AS1905 – Commercial Property
 Site: 505 9th Ave. N. Myrtle Beach, SC

Inspector Name: Jeremy Hudson
 Date: 23 July 2019

Floors: All Building Size: 4,652 SQ FT±

<u>BUILDING MATERIALS/ CONSTRUCTION</u>	SQ FT	* Tested for ACM's
<i>EXTERIOR</i>		
STRUCTURE:		CONCRETE FOUNDATION, BRICK&MORTAR WALLS
EXTERIOR COVERING:		*STUCCO WALL COVERING, BRICK&MORTAR
EXTERIOR COATING:		PAINT
DOORS:		METAL/GLASS
WINDOWS:		STOREFRONT ALUMINUM FRAMED WINDOWS, WINDOW PUTTY
ROOF MATERIALS:		*ASPHALT TAR FLASHING, *BLACK TAR-LIKE MEMBRANE, *FELT MEMBRANE
ROOF INSULATION:		NONE
EAVES:		NONE
ROOF DRAIN:		PVC
<i>INTERIOR</i>		
FLOOR COVERING:		*9X9 FLOOR TILES W/MASTIC, *CARPET W/MASTIC, NON-SUSPECT CERAMIC/PORCELAIN TILE
WALL COVERING:		*SHEETROCK W/ASSOCIATED JOINT COMPOUNDS, *PLASTER W/ASSOCIATED *JOINT COMPOUNDS, *KNOCK-DOWN TEXTURE, NON-SUSPECT WOOD PANEL WALLS, *WALL MASTIC
CEILING MATERIALS:		*PLASTER W/ASSOCIATED *JOINT COMPOUNDS, *SPRAYED CEILING TEXTURE, *STIPPLE CEILING TEXTURE
WATERPROOFING:		NONE
FIRE DOORS:		NONE
<i>MECHANICAL</i>		
FURNACE/ BOILER JACKET:		NONE
EXHAUST BREECHING:		NONE
PIPE INSULATION		NONE
FITTING INSULATION:		NONE
HEAT SHIELDS:		NONE
EXPANSION TANK INSULATION:		NONE
PIPE INSULATION:		NONE
FITTING INSULATION:		NONE
HVAC DUCTWORK:		NONE
FLEX CONNECTORS:		NONE
NOTE: THERE WERE NO OTHER SUSPECT MATERIALS IDENTIFIED		

Section 5.0

Conclusion

A visual inspection and sampling survey of impacted materials within the facility was conducted in accordance with the general Environmental Protection Agency (EPA) / Asbestos Hazard Emergency Response Act (AHERA) sampling guidelines to determine the presence of exposed and/or accessible suspect asbestos-containing materials.

((((Asbestos Containing Building Materials (ACBMs) WERE identified within the facility.))))

***HA1 – 9x9 Floor Tiles – 4% Chrysotile Present in Floor Tile, 5% Chrysotile Present in Mastic**

***HA60 – Wall Mastic – 5% Chrysotile Present in Mastic**

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Jeremy Hudson

Consultant

SCDHEC Accreditation # BI-01530

Section 6.0

Recommendations

It is recommended that notification of the presence of ACBMs be provided to personnel engaged in day-to-day activities within the structure.

During demolition activities, if additional materials suspect of containing asbestos are identified, suspend work activities, and contact Richard Eason @ 843.902.4495 or Jeremy Hudson @ 843.742.1344

Jeremy Hudson

Jeremy Hudson
SC DHEC # BI-01530

**F = Friable Non = Non-friable*

**Chry = Chrysotile, Amos = Amosite, Croc = Crocidolite, Anth = Anthophyllite, Trem = Tremolite, Act = Actinolite*

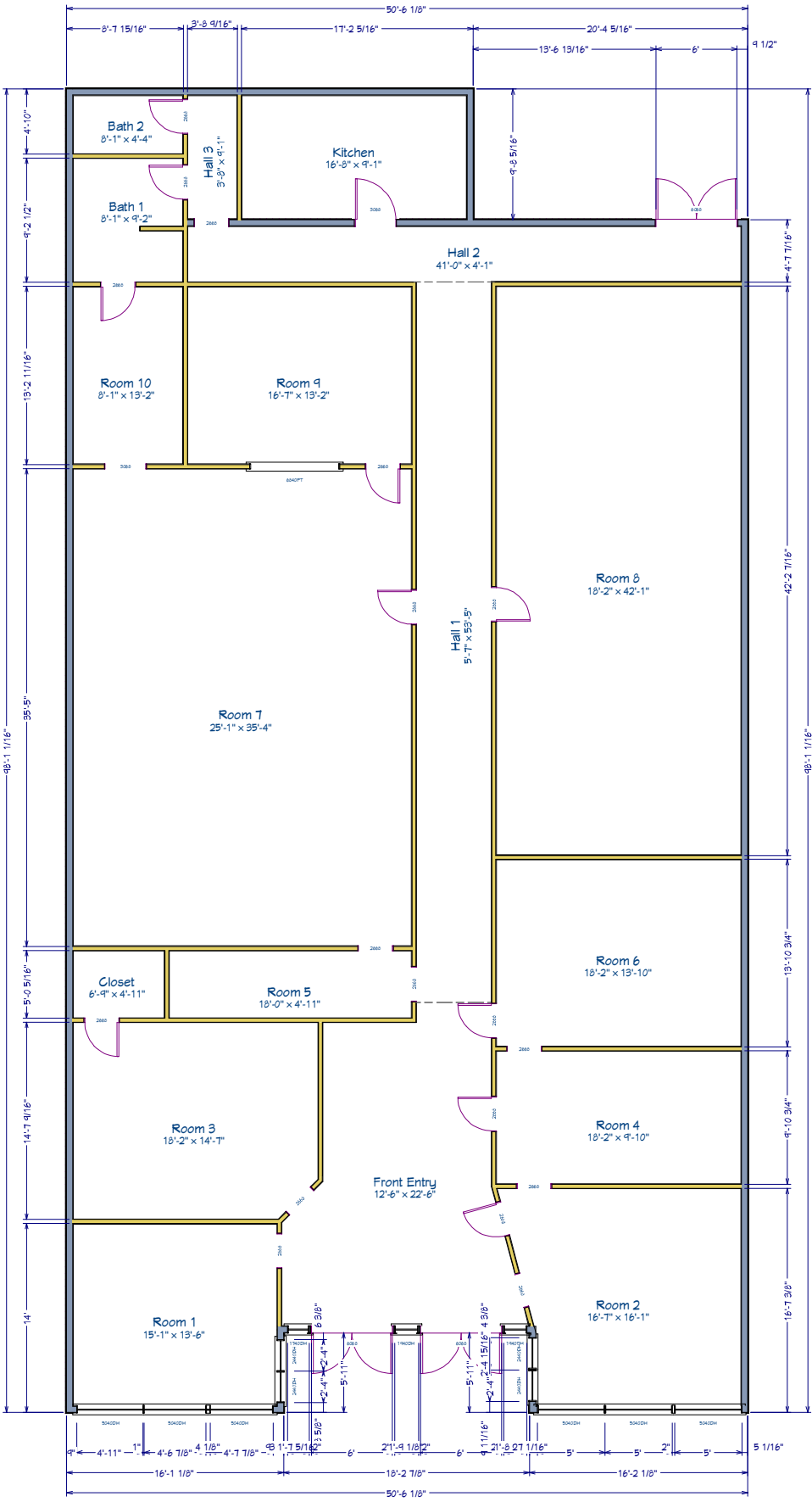
GRAPHICS

GRAPHICS – SITE PLANS

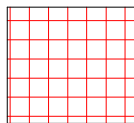
505 9th Ave N. Myrtle Beach, SC
Original Site Plan - Ground Level

ESG - Asbestos Division
Jeremy Hudson
SCDHEC# BI-01530
Exp. 06/11/20

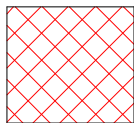
Notes: _____



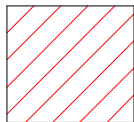
LIVING AREA
4652 sq ft



*HA1 9x9 Floor Tiles w/Mastic
Floor Tiles Exposed and Painted
4% Chrysotile Present in Floor Tiles
5% Chrysotile Present in Mastic
Approx. 2,784 sq ft

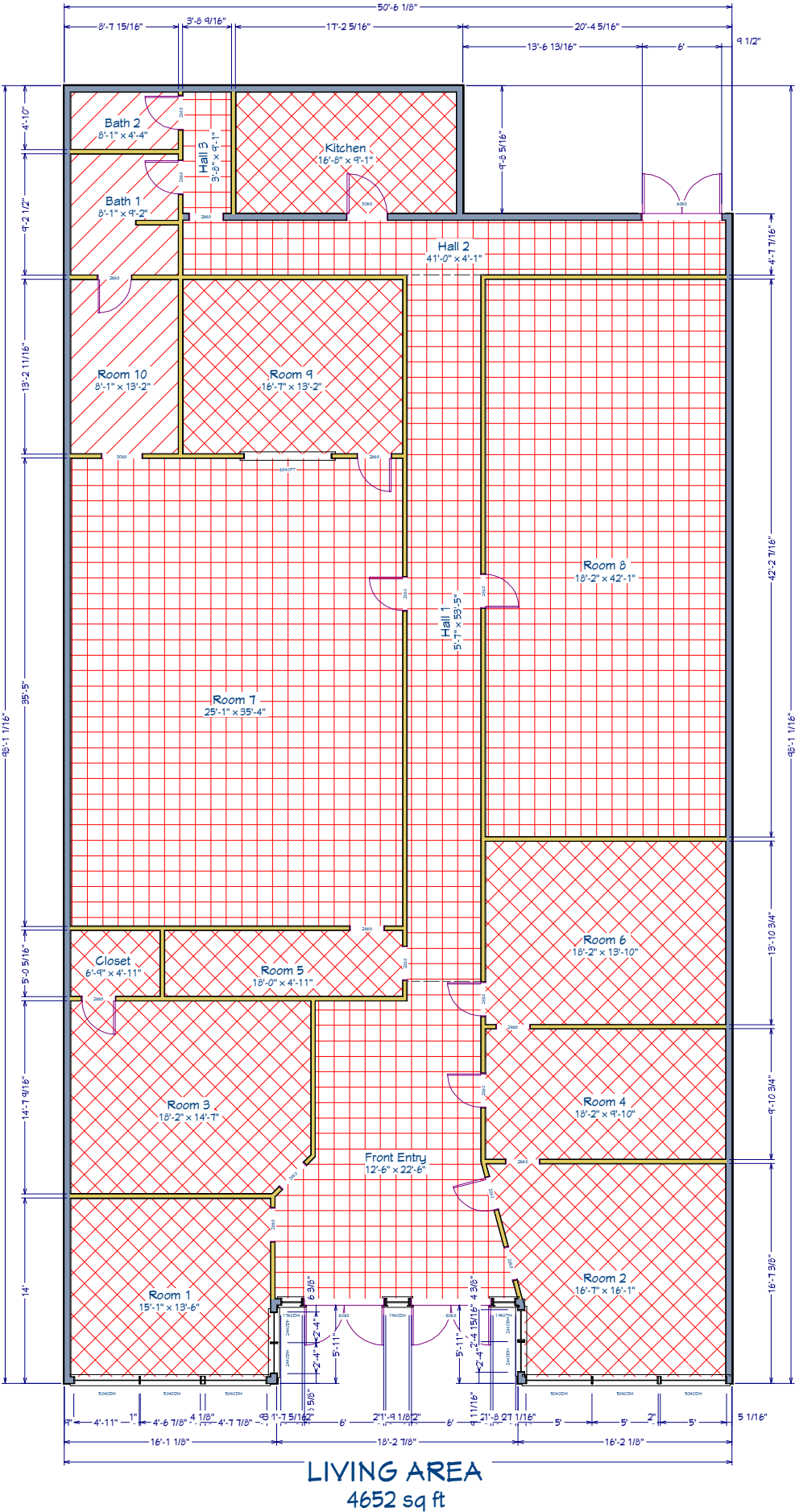


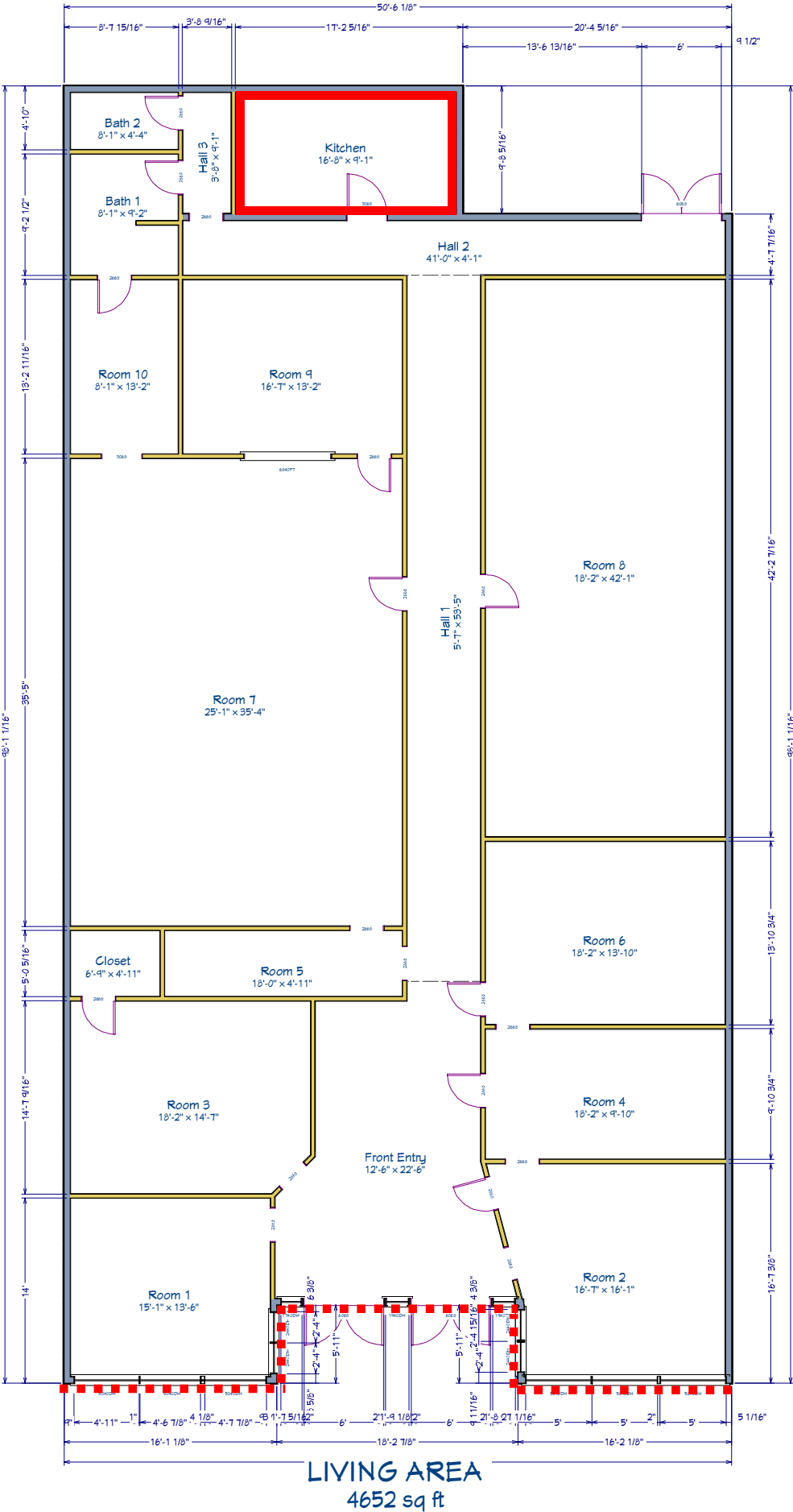
*HA1 9x9 Floor Tiles w/Mastic
Floor Tiles Covered by HA2 Carpet w/Mastic
4% Chrysotile Present in Floor Tiles
5% Chrysotile Present in Mastic
Approx. 1,652 sq ft



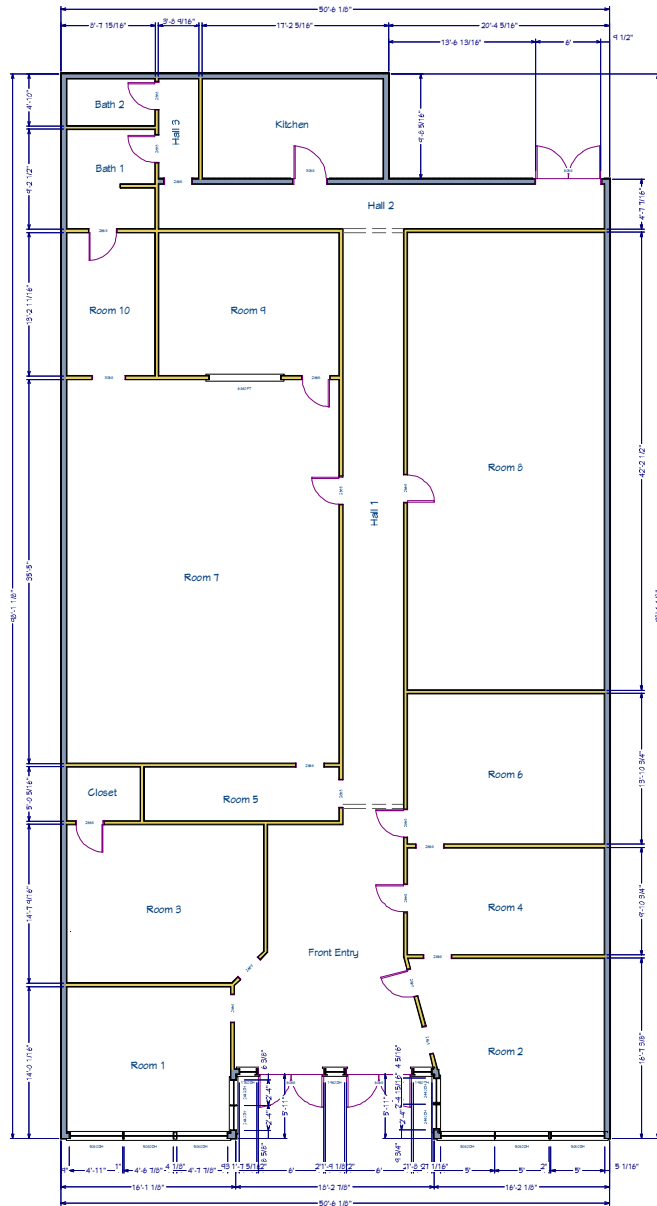
*HA1 9x9 Floor Tiles w/Mastic
Floor Tiles Covered by Non-Suspect Ceramic Tile
4% Chrysotile Present in Floor Tiles
5% Chrysotile Present in Mastic
Approx. 216 sq ft

Notes: _____



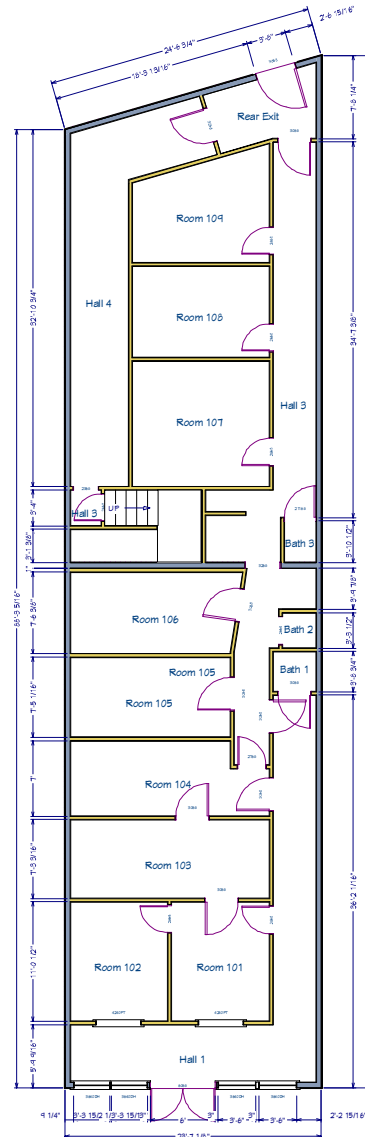


505 9th Ave. Myrtle Beach, SC



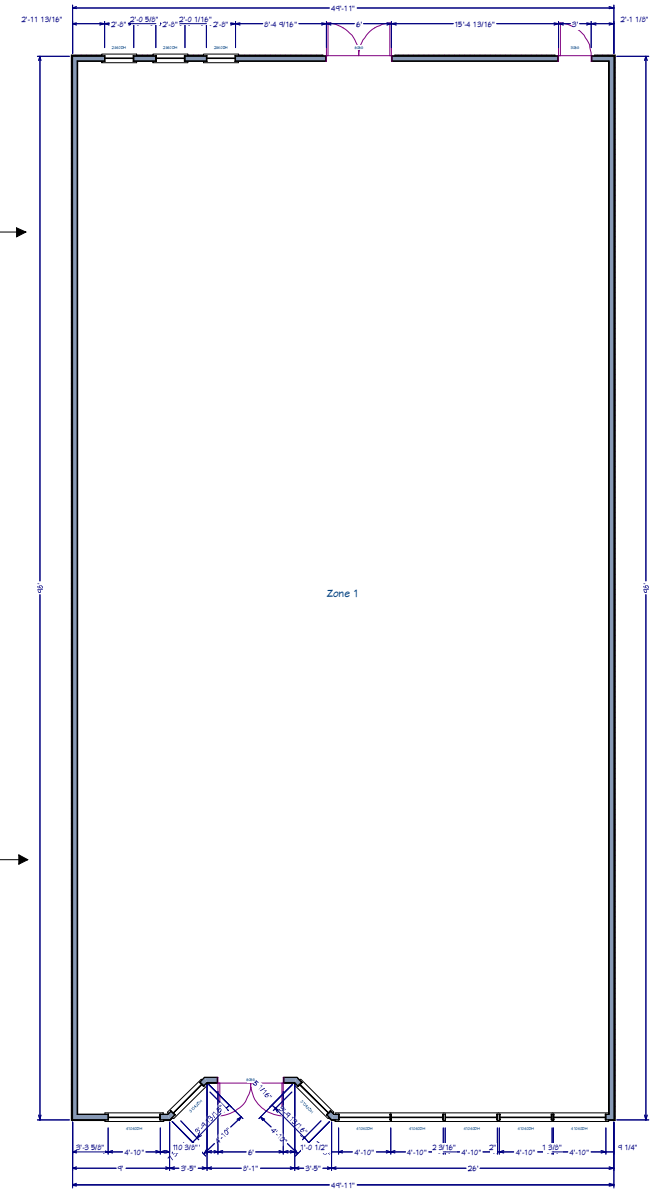
LIVING AREA
4652 sq ft

507 9th Ave. Myrtle Beach, SC



LIVING AREA
2162 sq ft

509 9th Ave. Myrtle Beach, SC



LIVING AREA
4853 sq ft

9th Ave. North

9th Ave. North

9th Ave. North

PHOTOGRAPHS

PHOTOGRAPHS

PICTURES

PROJECT No. AS-1905



Picture 1 – Property Map



Picture 2 – Property Map



Picture 3 – Property Map



Picture 4 – Front of Building



Picture 5 – Rear Exit of Building



Picture 6 – Front Entry

PICTURES

PROJECT No. AS-1905



Picture 7 – Front Entry



Picture 8 – Room1



Picture 9 – Room 2



Picture 10 – Room 3



Picture 11 – Room 4



Picture 12 – Room 5

PICTURES

PROJECT No. AS-1905



Picture 13 – Room 6



Picture 14 – Room 7



Picture 15 – Room 8



Picture 16 – Room 9



Picture 17 – Room 10



Picture 18 – “Kitchen”

PICTURES

PROJECT No. AS-1905



Picture 19 – Bath 1



Picture 20 – Bath 2



Picture 21 – **HA1 Painted 9x9 Floor Tiles w/Mastic*
4% Chrysotile in Tile, 5% Chrysotile in Mastic



Picture 22 – **HA1 Painted 9x9 Floor Tiles w/Mastic and *HA1 Non-Painted 9x9 Floor Tiles*
4% Chrysotile in Tile, 5% Chrysotile in Mastic



Picture 23 – **HA1 Painted 9x9 Floor Tiles w/Mastic and *HA1 Non-Painted 9x9 Floor Tiles*
4% Chrysotile in Tile, 5% Chrysotile in Mastic



Picture 24 – **HA2 Carpet w/Mastic*

PICTURES

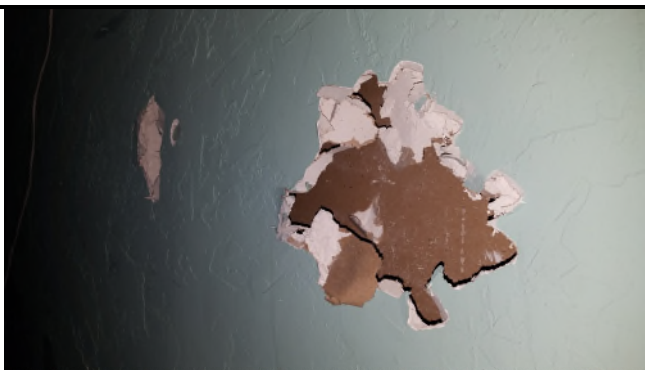
PROJECT No. AS-1905



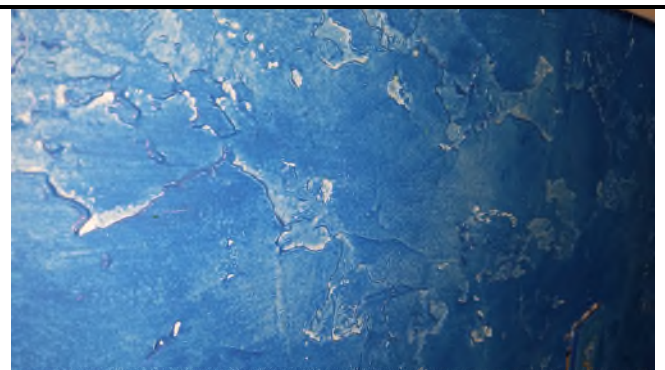
Picture 25 – **HA1 Non-Painted 9x9 Floor Tiles w/Mastic underneath *HA2 Carpet w/Mastic 4% Chrysotile in Tile, 5% Chrysotile in Mastic*



Picture 26 – *HA20 Sheetrock Walls



Picture 27 – *HA20 Sheetrock Walls



Picture 28 – *HA21 Knockdown Texture on *HA20 Sheetrock Walls



Picture 29 – *HA21 Knockdown Texture on *HA20 Sheetrock Walls



Picture 30 – *HA22 Plaster Wall Covering on Brick & Mortar Walls

PICTURES

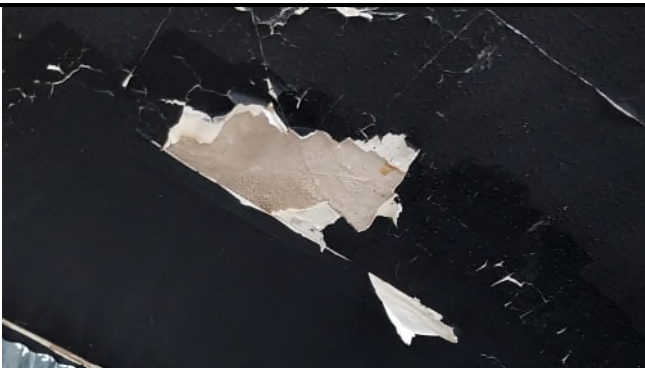
PROJECT No. AS-1905



Picture 31 – *HA22 Plaster Wall Covering on Brick & Mortar Walls



Picture 32 – *HA30 Plaster Ceilings



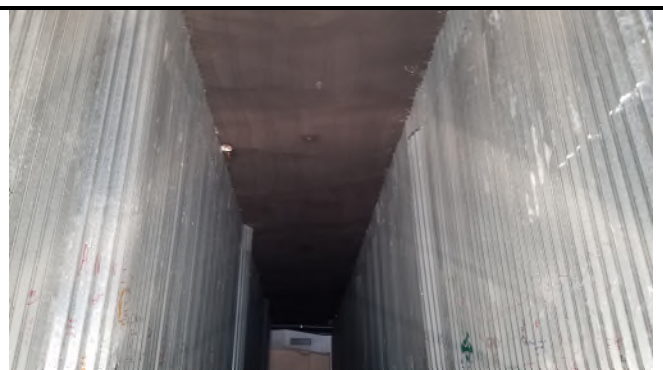
Picture 33 – *HA30 Plaster Ceilings



Picture 34 – *HA31 Sprayed Ceiling Texture



Picture 35 – *HA31 Sprayed Ceiling Texture



Picture 36 – *HA31 Sprayed Ceiling Texture

PICTURES

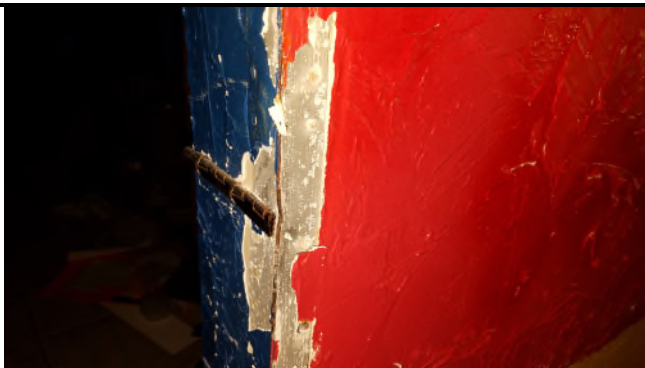
PROJECT No. AS-1905



Picture 37 – *HA32 Stipple Ceiling Texture



Picture 38 – *HA32 Stipple Ceiling Texture



Picture 39 – *HA40 Joint Compound



Picture 40 – *HA40 Joint Compound



Picture 41 – *HA60 Wall Mastic
5% Chrysotile Present in Mastic



Picture 42 – *HA60 Wall Mastic
5% Chrysotile Present in Mastic

PICTURES

PROJECT No. AS-1905



Picture 43 – *HA60 Wall Mastic
5% Chrysotile Present in Mastic



Picture 44 – *HA70 Acoustical Ceiling Tiles



Picture 45 – Roofing Materials (View from Front to Back)



Picture 46 – Roofing Materials (View from Back to Front)



Picture 47 – *HA80 Roofing Materials – Core Sample R1



Picture 48 – *HA80 Roofing Materials – Core Sample R2

PICTURES

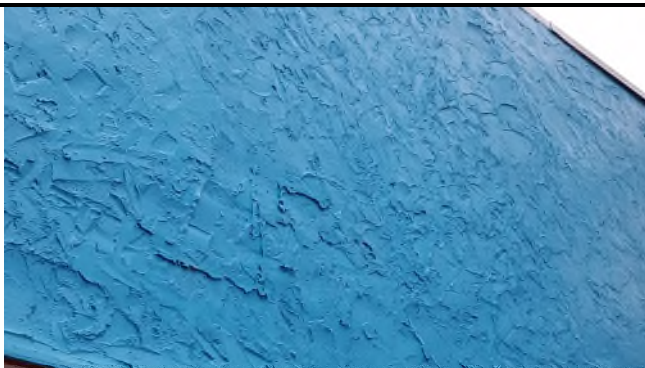
PROJECT No. AS-1905



Picture 49 – *HA80 Roofing Materials – Core Sample R3



Picture 50 – *HA90 Exterior Wall Covering
7% Chrysotile Present in Black Adhesive-Like Material



Picture 51 – *HA90 Exterior Wall Covering
7% Chrysotile Present in Black Adhesive-Like Material



Picture 52 – Front of Building

**CHAIN OF CUSTODY
AND
LABORATORY RESULTS**

**CHAIN OF CUSTODY
&
LABORATORY RESULTS**



Environmental Hazards Services, LLC
www.lead.com 7469 Whitepine Rd
 (800) 347-4010 Richmond, VA 23237
 (804) 275-4907 (fax)

Asbestos Chain-of-Custody

COMPANY USE ONLY

Company Name: Environmental Service Group Address: PO Box 2798 City/State/Zip: Myrtle Beach, SC 29578

Phone: (843) 902-4495 Fax: (843) 293-7977 E-mail: environmentalservice@sc.rr.com Acct. Number: 42-6337

Project Name / Testing Address: Commercial Property – 505 9th Ave. N. City/State (Required): Myrtle Beach, SC

Collected by: Jeremy Hudson Purchase Order No. AS1905

Turn Around Times:

If No TAT is specified, sample(s) will be processed and charged as 3-day TAT.

1-Day 2-Day ☒ 3-Day Same Day (Must call ahead) Weekend (Must call ahead)

No.	Client Sample ID	Date Collected	ASBESTOS							AIR					COMMENTS			
			PLM	PLM Point Count 400	PLM Point Count 1000	PLM NY Protocol	PCM	TEM (Chatfield Bulk)	TEMAHERA (Air)	Time On	Time Off	Flow Rate (L/Min)	Total Time (minutes)	Volume (Total Liters)				
1	1-F1	05/22/19	X												Painted 9x9 Floor Tiles w/Mastic			
2	1-F2		X												Painted 9x9 Floor Tiles w/Mastic			
3	1-F3							X							Painted 9x9 Floor Tiles w/Mastic			
4	2-F1		X							POSITIVE STOP					Carpet Mastic			
5	2-F2		X															Carpet Mastic
6	2-F3							X										Carpet Mastic
7	20-S1		X															Sheetrock Walls
8	20-S2		X												Sheetrock Walls			
9	20-S3		X												Sheetrock Walls			
10	20-S4		X												Sheetrock Walls			
Released by: Jeremy Hudson			Signature:							1 OF 6 PAGES			Date/Time: 05/29/2019 1600 hrs					
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Environmental Hazards Services, LLC
www.lead.com 7469 Whitepine Rd
(800) 347-4010 Richmond, VA 23237
(804) 275-4907 (fax)

Asbestos Chain-of-Custody

COMPANY USE ONLY

Company Name: Environmental Service Group Address: PO Box 2798 City/State/Zip: Myrtle Beach, SC 29578

Phone: (843) 902-4495 Fax: (843) 293-7977 E-mail: environmentalservice@sc.rr.com Acct. Number: 42-6337

Project Name / Testing Address: Commercial Property – 505 9th Ave. N. City/State (Required): Myrtle Beach, SC

Collected by: Jeremy Hudson Purchase Order No. AS1905

Turn Around Times:

If No TAT is specified, sample(s) will be processed and charged as 3-day TAT.

1-Day 2-Day ☒ 3-Day Same Day (Must call ahead) Weekend (Must call ahead)

No.	Client Sample ID	Date Collected	ASBESTOS							AIR					COMMENTS
			PLM	PLM Point Count 400	PLM Point Count 1000	PLM NY Protocol	PCM	TEM (Chatfield Bulk)	TEMAHERA (Air)	Time On	Time Off	Flow Rate (L/Min)	Total Time (minutes)	Volume (Total Liters)	
11	20-S5	05/22/19	X											Sheetrock Walls	
12	21-T1		X											Knockdown Texture - Walls	
13	21-T2		X											Knockdown Texture – Walls	
14	21-T3		X							POSITIVE STOP				Knockdown Texture – Walls	
15	22-P1		X											Plaster Walls	
16	22-P2		X											Plaster Walls	
17	22-P3		X											Plaster Walls	
18	22-P4		X											Plaster Walls	
19	22-P5		X											Plaster Walls	
20	30-C1		X											Plaster Ceilings	

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Collected by: Jeremy Hudson Purchase Order No. AS1905

Turn Around Times:

If No TAT is specified, sample(s) will be processed and charged as 3-day TAT.

 1-Day 2-Day X 3-Day Same Day (Must call ahead) Weekend (Must call ahead)

No.	Client Sample ID	Date Collected	ASBESTOS							AIR					COMMENTS
			PLM	PLM Point Count 400	PLM Point Count 1000	PLM NY Protocol	PCM	TEM (Chatfield Bulk)	TEM AHERA (Air)	Time On	Time Off	Flow Rate (L/Min)	Total Time (minutes)	Volume (Total Liters)	
21	30-C2	05/22/19	X												Plaster Ceilings
22	30-C3		X												Plaster Ceilings
23	30-C4		X												Plaster Ceilings
24	30-C5		X							POSITIVE STOP					Plaster Ceilings
25	31-SCT1		X												Sprayed Ceiling Texture
26	31-SCT2		X												Sprayed Ceiling Texture
27	31-SCT3		X												Sprayed Ceiling Texture
28	31-SCT4		X												Sprayed Ceiling Texture
29	31-SCT5		X												Sprayed Ceiling Texture
30	32-SCT1		X												Stipple Ceiling Texture

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1-Day 2-Day ☒ 3-Day Same Day (Must call ahead) Weekend (Must call ahead)

No.	Client Sample ID	Date Collected	ASBESTOS							AIR					COMMENTS		
			PLM	PLM Point Count 400	PLM Point Count 1000	PLM NY Protocol	PCM	TEM (Chatfield Bulk)	TEMAHERA (Air)	Time On	Time Off	Flow Rate (L/Min)	Total Time (minutes)	Volume (Total Liters)			
31	32-SCT2	05/22/19	X												Stipple Ceiling Texture		
32	32-SCT3		X												Stipple Ceiling Texture		
33	40-J1		X												Joint Compound		
34	40-J2		X							POSITIVE STOP					Joint Compound		
35	40-J3		X														Joint Compound
36	40-J4		X														Joint Compound
37	40-J5		X														Joint Compound
38	40-J6		X														Joint Compound
39	40-J7		X												Joint Compound		
40	60-WM1		X												Wall Mastic		
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Project Name / Testing Address: Commercial Property – 505 9th Ave. N. City/State (Required): Myrtle Beach, SC

Collected by: Jeremy Hudson Purchase Order No. AS1905

Turn Around Times:

If No TAT is specified, sample(s) will be processed and charged as 3-day TAT.

 1-Day 2-Day X 3-Day Same Day (Must call ahead) Weekend (Must call ahead)

No.	Client Sample ID	Date Collected	ASBESTOS							AIR					COMMENTS		
			PLM	PLM Point Count 400	PLM Point Count 1000	PLM NY Protocol	PCM	TEM (Chatfield Bulk)	TEMAHERA (Air)	Time On	Time Off	Flow Rate (L/Min)	Total Time (minutes)	Volume (Total Liters)			
41	60-WM2	05/22/19	X												Wall Mastic		
42	60-WM3							X							Wall Mastic		
43	70-ACT1		X												Acoustical Ceiling Tiles		
44	70-ACT2		X							POSITIVE STOP					Acoustical Ceiling Tiles		
45	70-ACT3		X														Acoustical Ceiling Tiles
46	80-R1		X														Roofing Materials – Core Sample
47	80-R2		X														Roofing Materials – Core Sample
48	80-R3							X							Roofing Materials – Core Sample		
49	90-EC1		X												Exterior Wall Covering		
50	90-EC2		X												Exterior Wall Covering		
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Collected by: Jeremy Hudson Purchase Order No. AS1905

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1-Day 2-Day ☒ 3-Day Same Day (Must call ahead) Weekend (Must call ahead)

No.	Client Sample ID	Date Collected	ASBESTOS							AIR					COMMENTS
			PLM	PLM Point Count 400	PLM Point Count 1000	PLM NY Protocol	PCM	TEM (Chatfield Bulk)	TEMAHERA (Air)	Time On	Time Off	Flow Rate (L/Min)	Total Time (minutes)	Volume (Total Liters)	
51	90-EC3	05/22/19	X												Exterior Wall Covering
										POSITIVE STOP					
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Environmental Hazards Services, L.L.C.

7469 Whitepine Rd

Richmond, VA 23237

Telephone: 800.347.4010

Asbestos Bulk Analysis Report

Report Number: 19-05-04778

Client: Environmental Service Group
P.O. Box 2798
Myrtle Beach, SC 29578

Received Date: 05/30/2019

Analyzed Date: 06/04/2019

Reported Date: 07/24/2019

Project/Test Address: Commercial Property; 505 9th Ave N; Myrtle Beach, SC

Client Number:

42-6337

Fax Number:

843-293-7977

Laboratory Results

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
19-05-04778-001A	1-F1	Tile	Black Vinyl; Homogeneous	4% Chrysotile	96% Non-Fibrous
Total Asbestos: 4%					
19-05-04778-001B	1-F1	Mastic	Black Adhesive; Homogeneous	5% Chrysotile	95% Non-Fibrous
Total Asbestos: 5%					
19-05-04778-002A	1-F2	Tile		Did Not Analyze (Positive Stop)	
19-05-04778-002B	1-F2	Mastic		Did Not Analyze (Positive Stop)	
19-05-04778-003	2-F1		Tan Adhesive; Homogeneous	NAD	2% Cellulose 98% Non-Fibrous
19-05-04778-004	2-F2		Tan Adhesive; Homogeneous	NAD	2% Cellulose 98% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 42-6337

Report Number: 19-05-04778

Project/Test Address: Commercial Property; 505 9th Ave N;
Myrtle Beach, SC

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
19-05-04778-005	20-S1		Brown Fibrous; Gray Chalky; Inhomogeneous	NAD	25% Cellulose 75% Non-Fibrous
19-05-04778-006	20-S2		Brown Fibrous; Gray Chalky; Inhomogeneous	NAD	35% Cellulose 65% Non-Fibrous
19-05-04778-007	20-S3		Brown Fibrous; Gray Chalky; Inhomogeneous	NAD	15% Cellulose 85% Non-Fibrous
19-05-04778-008	20-S4		Brown Fibrous; Gray Chalky; Inhomogeneous	NAD	20% Cellulose 80% Non-Fibrous
19-05-04778-009	20-S5		Green Paint-Like; Brown Fibrous; Gray Chalky; Inhomogeneous	NAD	30% Cellulose 70% Non-Fibrous
19-05-04778-010	21-T1		Brown Textured Paint-Like; White Powdery; Inhomogeneous	NAD	100% Non-Fibrous
19-05-04778-011	21-T2		Brown Textured Paint-Like; White Powdery; Inhomogeneous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 42-6337

Report Number: 19-05-04778

Project/Test Address: Commercial Property; 505 9th Ave N;
Myrtle Beach, SC

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
19-05-04778-012	21-T3		Brown Textured Paint-Like; NAD White Powdery; Inhomogeneous		100% Non-Fibrous
19-05-04778-013	22-P1		Beige/Blue Paint-Like; White Powdery; White Brittle; Beige Granular; Inhomogeneous	NAD	1% Cellulose 99% Non-Fibrous
19-05-04778-014	22-P2		Pink/Blue Paint-Like; White Powdery; White Brittle; Beige Granular; Inhomogeneous	NAD	1% Cellulose 99% Non-Fibrous
19-05-04778-015	22-P3		Beige/Pink Paint-Like; White Brittle; Beige Granular; Inhomogeneous	NAD	1% Cellulose 99% Non-Fibrous
19-05-04778-016	22-P4		Blue/Pink/Beige Paint-Like; White Brittle; Beige Granular; Inhomogeneous	NAD	1% Cellulose 99% Non-Fibrous
19-05-04778-017	22-P5		White Brittle; Beige Granular; Inhomogeneous	NAD	2% Cellulose 98% Non-Fibrous
19-05-04778-018	30-C1		Brown Textured Paint-Like; NAD White Powdery; Inhomogeneous		100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 42-6337

Report Number: 19-05-04778

Project/Test Address: Commercial Property; 505 9th Ave N;
Myrtle Beach, SC

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
19-05-04778-019	30-C2		Brown Textured Paint-Like; NAD White Powdery; Inhomogeneous		100% Non-Fibrous
19-05-04778-020	30-C3		Brown Textured Paint-Like; NAD White Powdery; Inhomogeneous		100% Non-Fibrous
19-05-04778-021	30-C4		Brown Textured Paint-Like; NAD White Powdery; Inhomogeneous		100% Non-Fibrous
19-05-04778-022	30-C5		Brown Textured Paint-Like; NAD White Powdery; Inhomogeneous		100% Non-Fibrous
19-05-04778-023	31-SCT1		Black Textured Paint-Like; NAD White Brittle; Inhomogeneous		100% Non-Fibrous
19-05-04778-024	31-SCT2		Black Textured Paint-Like; NAD White Powdery; Inhomogeneous		100% Non-Fibrous
19-05-04778-025	31-SCT3		Black Textured Paint-Like; NAD White Brittle; Inhomogeneous		100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 42-6337

Report Number: 19-05-04778

Project/Test Address: Commercial Property; 505 9th Ave N;
Myrtle Beach, SC

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
19-05-04778-026	31-SCT4		Black Textured Paint-Like; White Brittle; Inhomogeneous	NAD	100% Non-Fibrous
19-05-04778-027	31-SCT5		Black Textured Paint-Like; White Brittle; Inhomogeneous	NAD	100% Non-Fibrous
19-05-04778-028	32-SCT1		White Textured Paint-Like; White Powdery; Inhomogeneous	NAD	100% Non-Fibrous
19-05-04778-029	32-SCT2		White Textured Paint-Like; White Powdery; Inhomogeneous	NAD	100% Non-Fibrous
19-05-04778-030	32-SCT3		White Textured Paint-Like; White Powdery; Inhomogeneous	NAD	100% Non-Fibrous
19-05-04778-031	40-J1		Red Paint-Like; White Powdery; Inhomogeneous	NAD	100% Non-Fibrous
19-05-04778-032	40-J2		Red Paint-Like; White Powdery; Inhomogeneous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 42-6337

Report Number: 19-05-04778

Project/Test Address: Commercial Property; 505 9th Ave N;
Myrtle Beach, SC

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
19-05-04778-033	40-J3		Red Paint-Like; White Powdery; Inhomogeneous	NAD	100% Non-Fibrous
19-05-04778-034	40-J4		Red Paint-Like; White Powdery; Inhomogeneous	NAD	100% Non-Fibrous
19-05-04778-035	40-J5		Red Paint-Like; White Powdery; Inhomogeneous	NAD	100% Non-Fibrous
19-05-04778-036	40-J6		Red Paint-Like; White Powdery; Inhomogeneous	NAD	100% Non-Fibrous
19-05-04778-037	40-J7		Red Paint-Like; White Powdery; Inhomogeneous	NAD	100% Non-Fibrous
19-05-04778-038	60-WM1		Gray Adhesive; Homogeneous	5% Chrysotile	95% Non-Fibrous
Total Asbestos: 5%					
19-05-04778-039	60-WM2			Did Not Analyze (Positive Stop)	
19-05-04778-040	70-ACT1		White Paint-Like; Gray Fibrous; Inhomogeneous	NAD	5% Cellulose 85% Fibrous Glass 10% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 42-6337

Report Number: 19-05-04778

Project/Test Address: Commercial Property; 505 9th Ave N;
Myrtle Beach, SC

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
19-05-04778-041	70-ACT2		White Paint-Like; Gray Fibrous; Inhomogeneous	NAD	5% Cellulose 85% Fibrous Glass 10% Non-Fibrous
19-05-04778-042	70-ACT3		White Paint-Like; Gray Fibrous; Inhomogeneous	NAD	5% Cellulose 85% Fibrous Glass 10% Non-Fibrous
19-05-04778-043	80-R1		Black/Tan Pliable; Black Tar-Like; Fibrous; Gray Aggregate; Inhomogeneous	NAD	25% Cellulose 15% Fibrous Glass 60% Non-Fibrous
19-05-04778-044	80-R2		Gray Aggregate; Black Tar-Like; Fibrous; Inhomogeneous	NAD	15% Cellulose 5% Fibrous Glass 10% Synthetic 70% Non-Fibrous
19-05-04778-045A	90-EC1	Other *	Blue Paint-Like; White Granular; Inhomogeneous	NAD	10% Fibrous Glass 90% Non-Fibrous
*Wall Covering					
19-05-04778-045B	90-EC1	Other *	Black Adhesive; Homogeneous	7% Chrysotile	93% Non-Fibrous
Total Asbestos: 7%					
*Mastic-Like Material					
19-05-04778-046A	90-EC2	Other *	Blue Paint-Like; White Granular; Inhomogeneous	NAD	10% Fibrous Glass 90% Non-Fibrous
*Wall Covering					

Environmental Hazards Services, L.L.C

Client Number: 42-6337

Report Number: 19-05-04778

Project/Test Address: Commercial Property; 505 9th Ave N;
Myrtle Beach, SC

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
19-05-04778-046B	90-EC2	Other *		Did Not Analyze (Positive Stop)	

*Mastic-Like Material

19-05-04778-047A	90-EC3	Other *	Blue Paint-Like; White Granular; Inhomogeneous	NAD	10% Fibrous Glass 90% Non-Fibrous
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*Wall Covering

19-05-04778-047B	90-EC3	Other *		Did Not Analyze (Positive Stop)	
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*Mastic-Like Material

QC Sample: 36-M12011-3

QC Blank: SRM 1866 Fiberglass

Reporting Limit: 1% Asbestos

Method: EPA Method 600/R-93/116, EPA Method 600/M4-82-020

Analyst: Keleigh King

Reviewed By Authorized Signatory:



Tasha Eaddy
QA/QC Clerk

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Each distinct component in an inhomogeneous sample was analyzed separately and reported as a composite. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C. California Certification #2319 NY ELAP #11714 NVLAP #101882-0 VELAP 460172. All information concerning sampling location, date, and time can be found on Chain-of-Custody. Environmental Hazards Services, L.L.C. does not perform any sample collection.

Environmental Hazards Services, L.L.C. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy (TEM), (for enhanced detection capabilities) for materials regulated by EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

400 Point Count Analysis, where noted, performed per EPA Method 600/R-93/116 with a Reporting Limit of 0.25%.

* All California samples analyzed by Polarized Light Microscopy, EPA Method 600/M4-82-020, Dec. 1982.

LEGEND: NAD = no asbestos detected



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Asbestos Chain-of-Custody

19-05-04778



Due Date:
06/04/2019
(Tuesday)
AE

47 pm

KEX

Company Name: Environmental Service Group Address: PO Box 2798 City/State/Zip: Myrtle Beach, SC 29578
Phone: (843) 902-4495 Fax: (843) 293-7977 E-mail: environmental.service@sc.rr.com Acct. Number: 42-6337
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Collected by: Jeremy Hudson Purchase Order No. AS1905

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No.	Client Sample ID	Date Collected	ASBESTOS						AIR					COMMENTS
			PLM	PLM Point Count 400	PLM Point Count 1000	PLM NY Protocol	PCM	TEM (Chatfield Bulk)	TEM AHERA (Air)	Time On	Time Off	Flow Rate (L/Min)	Total Time (minutes)	
1	1-F1	05/22/19	X											Painted 9x9 Floor Tiles w/Mastic
2	1-F2		X											Painted 9x9 Floor Tiles w/Mastic
3	1-F3							X						Painted 9x9 Floor Tiles w/Mastic
4	2-F1		X							POSITIVE STOP				Carpet Mastic
5	2-F2		X											Carpet Mastic
6	2-F3							X						Carpet Mastic
7	20-S1		X											Sheetrock Walls
8	20-S2		X										Sheetrock Walls	
9	20-S3		X										Sheetrock Walls	
10	20-S4		X										Sheetrock Walls	

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1 OF 6 PAGES

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Date/Time: 5/30/19 12:30 pm



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Asbestos Chain-of-Custody

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COMPANY USE ONLY

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Project Name / Testing Address: Commercial Property – 505 9th Ave. N. City/State (Required): Myrtle Beach, SC
Collected by: Jeremy Hudson Purchase Order No. AS1905

Turn Around Times:

If No TAT is specified, sample(s) will be processed and charged as 3-day TAT.

1-Day 2-Day X 3-Day Same Day (Must call ahead) Weekend (Must call ahead)

No.	Client Sample ID	Date Collected	ASBESTOS						AIR				Volume (Total Liters)	COMMENTS
			PLM	PLM Point Count 400	PLM Point Count 1000	PLM NY Protocol	PCM	TEM (Chatfield Bulk)	TEM AHERA (Air)	Time On	Time Off	Flow Rate (L/Min)	Total Time (minutes)	
11	20-S5	05/22/19	X											Sheetrock Walls
12	21-T1		X											Knockdown Texture - Walls
13	21-T2		X											Knockdown Texture - Walls
14	21-T3		X											Knockdown Texture - Walls
15	22-P1		X											Plaster Walls
16	22-P2		X											Plaster Walls
17	22-P3		X											Plaster Walls
18	22-P4		X											Plaster Walls
19	22-P5		X											Plaster Walls
20	30-C1		X											Plaster Ceilings

Released by: Jeremy Hudson

Signature:

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Date/Time: 05/29/2019 1600 hrs

Received by:

Signature:

Date/Time: 5/30/19 12:30 p



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Asbestos Chain-of-Custody

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			PLM	PLM Point Count 400	PLM Point Count 1000	PLM NY Protocol	PCM	TEM (Chatfield Bulk)	TEM AHERA (Air)	Time On	Time Off	Flow Rate (L/Min)	Total Time (minutes)	Volume (Total Liters)	
21	30-C2	05/22/19	X											Plaster Ceilings	
22	30-C3		X											Plaster Ceilings	
23	30-C4		X											Plaster Ceilings	
24	30-C5		X							POSITIVE STOP				Plaster Ceilings	
25	31-SCT1		X											Sprayed Ceiling Texture	
26	31-SCT2		X											Sprayed Ceiling Texture	
27	31-SCT3		X											Sprayed Ceiling Texture	
28	31-SCT4		X											Sprayed Ceiling Texture	
29	31-SCT5		X											Sprayed Ceiling Texture	
30	32-SCT1		X											Stipple Ceiling Texture	

Released by: Jeremy Hudson

Signature:

3 OF 6 PAGES

Date/Time: 05/29/2019 1600 hrs

Received by:

Signature:

Date/Time: 5/30/19 12:30 pm



Environmental Hazards Services, LLC
 www.lead.com 7469 Whitepine Rd
 (800) 347-4010 Richmond, VA 23237
 (804) 275-4907 (fax)

Asbestos Chain-of-Custody

4778
COMPANY USE ONLY

Company Name: Environmental Service Group Address: PO Box 2798 City/State/Zip: Myrtle Beach, SC 29578
 Phone: (843) 902-4495 Fax: (843) 293-7977 E-mail: environmentalservice@sc.rr.com Acct. Number: 42-6337
 Project Name / Testing Address: Commercial Property - 505 9th Ave. N. City/State (Required): Myrtle Beach, SC
 Collected by: Jeremy Hudson Purchase Order No. AS1905

Turn Around Times:

If No TAT is specified, sample(s) will be processed and charged as 3-day TAT.

1-Day 2-Day X 3-Day Same Day (Must call ahead) Weekend (Must call ahead)

No.	Client Sample ID	Date Collected	ASBESTOS							AIR				Volume (Total Liters)	COMMENTS
			PLM	PLM Point Count 400	PLM Point Count 1000	PLM NY Protocol	PCM	TEM (Chatfield Bulk)	TEM AHERA (Air)	Time On	Time Off	Flow Rate (L/Min)	Total Time (minutes)		
31	32-SCT2	05/22/19	X												Stipple Ceiling Texture
32	32-SCT3		X												Stipple Ceiling Texture
33	40-J1		X												Joint Compound
34	40-J2		X								POSITIVE STOP				Joint Compound
35	40-J3		X												Joint Compound
36	40-J4		X												Joint Compound
37	40-J5		X												Joint Compound
38	40-J6		X												Joint Compound
39	40-J7		X												Joint Compound
40	60-WM1		X												Wall Mastic

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Date/Time: 05/29/2019 1600 hrs

Received by:

Signature:

Date/Time: 5/30/19 12:30 pm



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No.	Client Sample ID	Date Collected	ASBESTOS						AIR				Volume (Total Liters)	COMMENTS
			PLM	PLM Point Count 400	PLM Point Count 1000	PLM NY Protocol	PCM	TEM (Chatfield Bulk)	TEM AHERA (Air)	Time On	Time Off	Flow Rate (L/Min)	Total Time (minutes)	
41	60-WM2	05/22/19	X											Wall Mastic
42	60-WM3							X						Wall Mastic
43	70-ACT1		X											Acoustical Ceiling Tiles
44	70-ACT2		X											Acoustical Ceiling Tiles
45	70-ACT3		X											Acoustical Ceiling Tiles
46	80-R1		X											Roofing Materials – Core Sample
47	80-R2		X											Roofing Materials – Core Sample
48	80-R3							X						Roofing Materials – Core Sample
49	90-EC1		X											Exterior Wall Covering
50	90-EC2		X											Exterior Wall Covering

Released by: Jeremy Hudson

Signature:

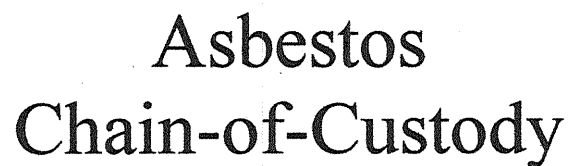
5 OF 6 PAGES

Date/Time: 05/29/2019 1600 hrs

Received by:

Signature:

Date/Time: 5/30/19 12:30 p



COMPANY USE ONLY

Turn Around Times:			If No TAT is specified, sample(s) will be processed and charged as 3-day TAT.		
1-Day	2-Day	X	3-Day	Same Day (Must call ahead)	Weekend (Must call ahead)

[illegible]



CERTIFICATE OF ANALYSIS

Chain of Custody: 616307
Client: Environmental Hazards Services, LLC
Address: 7469 Whitepine Road
Richmond, VA 23237
Attention: Kathy Tyler

Job Name: Commercial Property EHS# 19-05-04778
Job Location: 505 9th Avenue N; Myrtle Beach, SC
Job Number: 19-07-03736
P.O. Number: Not Provided

Date Submitted: 07/23/2019
Date Analyzed: 07/24/2019
Report Date: 07/24/2019
Date Sampled: Not Provided
Person Submitting: Tiffany Stone
Revised: 07/25/2019 (Revision #1)

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample	Client Sample	Sample Type *	% Total Asbestos	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
616307-1	2-F3	Whole	TR	N/A	TR	Chrysotile	46.6	35.5	17.9	MS	Yellow	
616307-2	80-R3	Whole	NAD	N/A	NAD		76.6	4.9	18.5	Roof	Black	

* Whole = Whole sample submitted and gravimetric reduction performed by AMA Analytical Services, Residue = Gravimetric reduction of sample performed by client and residue only submitted for analysis.

** NAD = "No Asbestos Detected" TR = "Trace equals less than 1% of this component"

*** PLM = Polarized Light Microscopy after gravimetric reduction (NY ELAP Method 198.6) TEM = Transmission Electron Microscopy after gravimetric reduction (NY ELAP Method 198.4)

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Analyst(s): Christopher Dell

Technical Director Michael Greenberg

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by AIHA-LAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.



Environmental Hazards Services, L.L.C.
7469 Whitepine Rd
Richmond, VA 23237
Telephone: 800.347.4010

TEM Bulk 1-Day

Received Date: 07/22/2019

Due Date: 07/24/2019

EHS Client #: 42-6337

Report Number: 19-07-03736

Project/Test Address: Commercial Property; 505 9th Ave N; Myrtle Beach, SC;
EHS# 19-05-04778

1-Day

Analysis Requested: TEM Bulk 1-Day

Sample #	Sample Type	Sample Location and/or Comments	Volume (liters)
2-F3	TEM Bulk	Carpet Mastic Only	
80-R3	↓	Roofing Only	

Date/Time	Released By:	Date/Time	Received By:
7/22/19 5:53 pm	Jerry Stone		