



## RFP 23MCO604

### In response refer to RFP NO. 23MCO604 Addendum 2 and Response to Questions March 24, 2023

Gentlemen/Ladies:

This addendum is being issued to make the following changes:

- Adding a Bid/Cost Summary Sheet that will need to be completed and turned in with other required documentation listed in the original RFP (page 3 of this addendum)
- Adding Inspection Asbestos Report for 300 S. Baird St. (pages 4-51 of this addendum)
- Adding Inspection Asbestos Report for 301 S. Main St. (pages 51-89 of this addendum)
- Revised Demolition Plan Sheet CD101 (page 90 of this addendum)

The following questions have been asked according to the instructions of the bid and are hereby answered:

1. Do you have the as-builts for the buildings, primarily foundation and basement?  
**No, we do not.**
2. Is there an environmental survey?  
**We have attached environmental surveys for both buildings. The asbestos abatement certification was provided in Addendum 1.**
3. Will an environmental/asbestos survey be completed or provided at the walk Thursday? Per Texas Admin Code Section 296.191 a survey is required for a Texas Demolition Notification. The City of midland will also need a copy of the survey to obtain the City Demolition Permit.  
**We have attached environmental surveys for both buildings. The asbestos abatement certification was provided in Addendum 1.**
4. For the backfill are we able to use some of the demolition concrete & brick for filler? Using 2-3 foot of demolition filler, then fill with 2-3 foot of borrow dirt. Repeat process until depth of 3 foot from grade is met. Then all topsoil from 3 foot below to grade.  
**No. Backfill and compaction should be executed per project specifications. Onsite spoils may be utilized for backfill if approved by the architect of record. Final grade to be 2" below top of curb.**

5. On CE501 Detail 701 – this bull rock will tear up the asphalt after having loaded trucks and equipment move on them. Will the asphalt need to be repaired after demobilization?

Protection is required. Construction entrance mats (trackout control mats) may be used instead of rock and is preferred. Damaged asphalt will be repaired per project specifications. Owner may elect to have damaged asphalt removed in lieu of repair.

6. Also, is Detail 701 required if all entrances and trucks will stay on asphalt and not get off of pavement?

Detail 701 is a suggested best management practice to eliminate contaminants from leaving the site. It is the awarded contractor's responsibility to ensure TCEQ and SWPP compliance.

7. Are there any as built or floor plans for the building?

No, there are not.

8. Also, the ACM report could have a layout of the buildings, could report/survey be provided if layouts are included?

We have attached environmental surveys for both buildings. The asbestos abatement certification was provided in Addendum 1.

9. Demo note D on CD101 states "contractor is responsible for all miscellaneous repairs due to demolition damage, at own expense". The concrete to remain in close proximity to the building will sustain some damage during the removal of the footings. Will this be considered for repair? Or should we just sawcut the necessary distance back?

Sawcut the necessary distance back to create a clean, straight line.



## 23MC0604 Demolition of Buildings at 301 S Main & 300 S Baird

Exhibit A Bid or Cost Summary

Company Name: \_\_\_\_\_

Company Representative Name: \_\_\_\_\_

Company Representative Phone: \_\_\_\_\_

Lump Sum Value in US Dollars Bid for All Work as Described in the Bid Package: \_\_\_\_\_

Total Duration in Calendar Days to complete All Work Described in the Bid Package: \_\_\_\_\_

Signature and Date: \_\_\_\_\_

NOTE: Payment and Performance Bonds for the full value of the contract will be required as described in the Contract. However, do NOT include premium costs of the Payment and Performance Bond in the Bid Value. Upon payment of the premium, the awarded contractor shall be reimbursed for those costs with a copy of the paid in full invoice to the bonding agent as back up.



## Asbestos Survey Report

Project:  
300 S. Baird Street  
Midland, TX

For:  
Midland County  
P.O. Box 421  
Midland, TX 79702

E-Tech Project # 1245-12541-000

Inspection Date: 10-11 June 2020

Report Date: 17 June 2020

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## Attachments

**Attachment 1** - Asbestos Lab PLM Bulk Results

**Attachment 2** - Chain of Custody

**Attachment 3** - Site Diagrams

**Attachment 4** - Copy of E-Tech Licenses

## 1.0 Executive Summary

On June 10-11, 2020, Wally McNeil and Brandon Smitherman of E-Tech Environmental & Safety Solutions performed a visual inspection and collected bulk samples of suspect asbestos-containing materials found in the building located at 300 S. Baird Street in Midland, Texas. A total of sixty (67) samples were collected from twenty-one (21) homogeneous materials. The suspect asbestos-containing materials identified were:

\*Contains Asbestos by PLM  
\*\* Contains less than 1% Asbestos by PLM  
\*\*\*Assumed to contain Asbestos to prevent damage

HA	ACM	Description	Est. SF
C01		24x24 Suspended Acoustical Tile - Fissured & Perforated	3145
C02	*	Popcorn Texture	2248
C03		Vinyl-Covered Gypsum board	1263
C04	**	Drywall w/ Tape, Bed, & Drag Texture	297
C05		24x48 Suspended Acoustical Tile - Fissured & Perforated	10935
F01	*	12x12 Resilient Floor Tile - White w/ Multi Accents & Black Mastic	1633
F02	*	12x12 Resilient Floor Tile - Brown w/ Multi Accents & Black Mastic	144
F03		Linoleum - White w/ Multi Accents	846
F04		Linoleum - Gray Slate Pattern	184
M01		Stair Tread Glue - Gold (Under Black Rubber)	105
M02		Window Glaze	100
P01	*	Pipe Insulation	Throughout
P02	*	Pipe Fitting Insulation	Throughout
R01		Rolled Roofing	34160
R02		Roof Flashing	1500
W01		Vinyl-covered Gypsum Panels	15108
W02		Vinyl Cove Base - 6" Brown	177
W03		Vinyl Cove Base - 6" Green	182
W04		Vinyl Cove Base - 4" Brown	223
W05		Drywall w/ Tape, Bed, & Modern Drag Texture	160
W06		Drywall w/ Tape, Bed, & Smooth Texture	2650

The suspect asbestos-containing materials were submitted under chain of custody for analysis by Polarized Light Microscopy (PLM) to J3 Resources, a NVLAP accredited bulk PLM laboratory located in Houston, Texas.

## 2.0 Asbestos Bulk Sampling Methodology

Suspect asbestos bulk samples were collected and placed in zip-lock bags for laboratory analysis. The sampling was performed to identify asbestos in specific suspect asbestos-containing materials. The samples were submitted for analysis via polarized light microscopy (PLM).

The PLM method is the most commonly used method to analyze building materials for the presence of asbestos. The PLM method is in accordance with the EPA Interim Method of the Determination of Asbestos in Bulk Samples. This method utilizes the optical properties of minerals to identify the selected constituent. The use of this method enables identification of the type and the percentage of asbestos in a sample.

The detection limit of the PLM method for asbestos identification is approximately one percent asbestos.

### **3.0 Conclusions**

Homogeneous materials C02, F01, F02, P01, and P02 tested positive for asbestos – greater than 1% – by PLM.

Homogeneous material C04 tested positive for asbestos – less than 1% – by PLM.

### **4.0 Recommendations**

A copy of this survey should be kept on site during demolition or renovation activities.

Materials containing 1% or greater asbestos should be abated prior to demolition or renovation activities which would cause the materials to be disturbed.

Materials containing less than 1% asbestos are not regulated, however there is no safe level of exposure to asbestos. Etech recommends the use of wet methods, containments, and respiratory protection at minimum during the removal of these materials.

Asbestos abatement (of materials 1% asbestos or greater) must be conducted by licensed asbestos abatement workers employed by a licensed asbestos abatement company.

Abatements must be designed by a licensed asbestos consultant and a representative of the asbestos consultant must be present during asbestos abatement on the interior of public buildings in the State of Texas. Etech can provide asbestos consulting services.

If suspect asbestos-containing materials other than those already tested are encountered during demolition, then they should be assumed to contain asbestos or they should be tested to prove otherwise.

### **5.0 Limitations**

The field observations, measurements and research reported herein are considered sufficient in detail and scope to determine the asbestos content of the tested materials at the subject property on the date of the inspection. The assessment, conclusions and recommendations presented herein are based upon specifically limited data. They do not represent all conditions at the subject property. E-Tech warrants the findings and conclusions contained herein have been promulgated in accordance with generally accepted industrial hygiene methodology and only for the site described in this report.

## 6.0 Use by Third Parties

This report was prepared pursuant to the agreement between E-Tech, and Midland County. The agreement relationship included an exchange of information about the subject property. Reliance or any use of this report by anyone other than the client(s), for whom it was prepared, is prohibited and therefore not foreseeable to E-Tech.

Reliance or use by any such third party without express written authorization from E-Tech does not make said third party a third-party beneficiary to E-Tech's agreement with the client. Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at third party's risk. For the same reasons, no warranties or representations, expressed or implied in this report, are made to any such third party.

## 7.0 Unidentifiable Conditions

This asbestos related environmental consulting report has been developed to provide the client with information regarding apparent conditions related to limited accessible building materials in the subject property. Although E Tech believes that the findings and conclusions provided in this report are reasonable, the assessment is necessarily limited to the conditions observed and to the information available at the time of the inspection. Due to the nature of the work, there is a possibility conditions exist that could not be identified within the scope of the assessment or which were not apparent at the time it was conducted. It is also possible that the testing methods employed at the time of the report may later be superseded by other methods. E-Tech does not accept responsibility for changes in the state of the art.

We have employed state-of-the-art practices to perform this analysis of risk and identification, but this evaluation is limited in scope to the areas listed above. Our services consist of professional opinions and recommendations made in accordance with generally accepted engineering principles and practices.

Written by,



Brandon Smitherman  
Texas Asbestos Inspector  
License # 60-3048  
Expires: 9/1/2020

Reviewed and approved by,



Ronnie Matte  
Texas Individual Asbestos Consultant  
License # 10-5771  
Expires: 2/13/2022

Asbestos Inspection  
300 S. Baird  
Midland, TX

Midland County  
P.O. Box 421  
Midland, TX

## **PLM Laboratory Results**



**Bulk Asbestos Fiber Analysis by Polarized Light Microscopy (PLM)**

**Appx E Sub E 40 CFR 763 / EPA 600/R-93/116**

**Brandon Smitherman**  
**Etech Environmental & Safety Solutions, Inc.**  
**P.O. Box 62228**  
**Midland TX 79711**

**J3 Order #:** JH20119903  
**Project #:** 12541  
**Date Received:** 12-Jun-2020  
**Date Analyzed:** 12-Jun-2020  
**Date Reported:** 17-Jun-2020

**Salvation Army Building (Revised)**

Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents
1	Ceiling Tile, White/ Gray, Homogeneous	None Detected	Cellulose Fiber 40% Mineral Wool 40% Non-Fibrous Material 20%
2	Ceiling Tile, White/ Gray, Homogeneous	None Detected	Cellulose Fiber 40% Mineral Wool 40% Non-Fibrous Material 20%
3	Ceiling Tile, White/ Gray, Homogeneous	None Detected	Cellulose Fiber 40% Mineral Wool 40% Non-Fibrous Material 20%
4	Popcorn Texture, White, Homogeneous	Chrysotile 3%	Non-Fibrous Material 97%
5	Popcorn Texture, White, Homogeneous	Chrysotile 3%	Non-Fibrous Material 97%
6	Popcorn Texture, White, Homogeneous	Chrysotile 3%	Non-Fibrous Material 97%
7	Popcorn Texture, White, Homogeneous	Chrysotile 3%	Non-Fibrous Material 97%
8	Popcorn Texture, White, Homogeneous	Chrysotile 3%	Non-Fibrous Material 97%
9	Ceiling Tile, White/ Lt. Pink, Homogeneous	None Detected	Cellulose Fiber 10% Fibrous Glass <1% Non-Fibrous Material 90%

Revision: Pg 3 - include results for sample 20 layer 2

Juliann Johnson Analyst

  
 Scott Ward, Ph.D. Lab Director

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NVLAP Lab Code: 200525-0 TDSHS License: 30-0273 Page 1 of 13



**Bulk Asbestos Fiber Analysis by Polarized Light Microscopy (PLM)**

**Appx E Sub E 40 CFR 763 / EPA 600/R-93/116**

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Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents
10	Ceiling Tile, White/ Lt. Pink, Homogeneous	None Detected	Cellulose Fiber 10% Fibrous Glass <1 Non-Fibrous Material 90%
11	Ceiling Tile, White/ Lt. Pink, Homogeneous	None Detected	Cellulose Fiber 10% Fibrous Glass <1 Non-Fibrous Material 90%
12	LAYER 1 Texture, White, Homogeneous	Chrysotile <1%	Non-Fibrous Material 100%
	LAYER 2 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber 100%
	LAYER 3 Joint Compound, White, Homogeneous	Chrysotile <1%	Non-Fibrous Material 100%
	LAYER 4 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber 10% Fibrous Glass <1 Non-Fibrous Material 90%
13	LAYER 1 Texture, White, Homogeneous	Chrysotile <1%	Non-Fibrous Material 100%
	LAYER 2 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber 10% Fibrous Glass <1 Non-Fibrous Material 90%
14	Joint Compound, White, Homogeneous No Wallboard Present	None Detected	Non-Fibrous Material 100%
15	Ceiling Tile, White/ Gray, Homogeneous	None Detected	Cellulose Fiber 50% Mineral Wool 30% Non-Fibrous Material 20%

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Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents
16	Ceiling Tile, White/ Gray, Homogeneous	None Detected	Cellulose Fiber 50% Mineral Wool 30% Non-Fibrous Material 20%
17	Ceiling Tile, White/ Gray, Homogeneous	None Detected	Cellulose Fiber 50% Mineral Wool 30% Non-Fibrous Material 20%
18	LAYER 1 Floor Tile, White, Homogeneous	None Detected	Non-Fibrous Material 100%
	LAYER 2 Mastic, Yellow/ Black, Homogeneous	Chrysotile 3%	Non-Fibrous Material 97%
19	LAYER 1 Floor Tile, White, Homogeneous	None Detected	Non-Fibrous Material 100%
	LAYER 2 Mastic, *Not analyzed per client request		
20	LAYER 1 Floor Tile, White, Homogeneous	None Detected	Non-Fibrous Material 100%
	LAYER 2 Mastic, Yellow/ Black, Homogeneous	Chrysotile 3%	Non-Fibrous Material 97%
21	LAYER 1 Floor Tile, Brown, Homogeneous	Chrysotile 2%	Non-Fibrous Material 98%
	LAYER 2 Mastic, Black, Homogeneous	Chrysotile 5%	Non-Fibrous Material 95%
22	Flooring, *Not analyzed per client request		
23	Flooring, *Not analyzed per client request		

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24	LAYER 1 Flooring, Gray, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	30% <1 70%
	LAYER 2 Mastic, Yellow, Homogeneous	None Detected	Non-Fibrous Material	100%
25	LAYER 1 Flooring, Gray, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	30% <1 70%
	LAYER 2 Mastic, Yellow/ Brown, Homogeneous	None Detected	Non-Fibrous Material	100%
26	LAYER 1 Flooring, Gray, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	30% <1 70%
	LAYER 2 Mastic, Yellow/ Brown, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 3 Leveling Compound, Beige, Homogeneous	None Detected	Non-Fibrous Material	100%
27	LAYER 1 Flooring, Gray, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Mastic, Yellow, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 3 Wood, Brown, Homogeneous	None Detected	Cellulose Fiber Non-Fibrous Material	95% 5%

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Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	
28	LAYER 1 Flooring, Gray, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Mastic, Yellow, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 3 Wood, Brown, Homogeneous	None Detected	Cellulose Fiber Non-Fibrous Material	95% 5%
29	LAYER 1 Flooring, Gray, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Mastic, Yellow, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 3 Wood, Brown, Homogeneous	None Detected	Cellulose Fiber Non-Fibrous Material	95% 5%
30	Stair Tread Mastic, Brown/ Beige, Homogeneous	None Detected	Non-Fibrous Material	100%
31	LAYER 1 Stair Tread, Black, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Mastic, Yellow, Homogeneous	None Detected	Non-Fibrous Material	100%
32	Stair Tread Mastic, Brown/ Beige, Homogeneous	None Detected	Non-Fibrous Material	100%
33	Window Glazing, White, Homogeneous	None Detected	Non-Fibrous Material	100%
34	Window Glazing, White, Homogeneous	None Detected	Non-Fibrous Material	100%

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Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	
35	Window Glazing, White, Homogeneous	None Detected	Non-Fibrous Material	100%
36	LAYER 1 Paper/ Foil Wrap, Beige/ Silver, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	45% 10% 45%
	LAYER 2 Insulation, Yellow, Homogeneous	None Detected	Mineral Wool Non-Fibrous Material	95% 5%
37	LAYER 1 Mastic Wrap, White, Homogeneous	None Detected	Cellulose Fiber Non-Fibrous Material	80% 20%
	LAYER 2 Paper/ Foil Wrap, Beige/ Silver, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	45% 10% 45%
	LAYER 3 Insulation, Yellow, Homogeneous	None Detected	Mineral Wool Non-Fibrous Material	95% 5%
38	LAYER 1 Mastic, Beige, Homogeneous	Chrysotile 2%	Non-Fibrous Material	98%
	LAYER 2 Paper/ Foil Wrap, Beige/ Silver, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	45% 10% 45%
	LAYER 3 Insulation, Yellow, Homogeneous	None Detected	Mineral Wool Non-Fibrous Material	95% 5%

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39	LAYER 1 Mastic Wrap, White, Homogeneous	Chrysotile 5%	Fibrous Glass 15% Non-Fibrous Material 80%
	LAYER 2 Insulation, Yellow, Homogeneous	None Detected	Mineral Wool 95% Non-Fibrous Material 5%
40	LAYER 1 Mastic Wrap, *Not analyzed per client request		
	LAYER 2 Insulation, Yellow, Homogeneous	None Detected	Mineral Wool 95% Non-Fibrous Material 5%
41	LAYER 1 Mastic Wrap, *Not analyzed per client request		
	LAYER 2 Paper/ Foil Wrap, Beige/ Silver, Homogeneous	None Detected	Cellulose Fiber 45% Fibrous Glass 10% Non-Fibrous Material 45%
	LAYER 3 Insulation, Yellow, Homogeneous	None Detected	Mineral Wool 95% Non-Fibrous Material 5%
42	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material 100%
	LAYER 2 Wallboard, Brown/ White, Homogeneous No Rolled Roofing Present	None Detected	Cellulose Fiber 10% Non-Fibrous Material 90%

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**Appx E Sub E 40 CFR 763 / EPA 600/R-93/116**

**Brandon Smitherman**  
**Etech Environmental & Safety Solutions, Inc.**  
**P.O. Box 62228**  
**Midland TX 79711**

**J3 Order #:** JH20119903  
**Project #:** 12541  
**Date Received:** 12-Jun-2020  
**Date Analyzed:** 12-Jun-2020  
**Date Reported:** 17-Jun-2020

**Salvation Army Building (Revised)**

Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	
43	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Wallboard, Brown/ White, Homogeneous No Rolled Roofing Present	None Detected	Cellulose Fiber Non-Fibrous Material	10% 90%
44	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Wallboard, Brown/ White, Homogeneous No Rolled Roofing Present	None Detected	Cellulose Fiber Non-Fibrous Material	10% 90%
45	LAYER 1 Cove Base, Gray, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Mastic, Beige, Homogeneous No Roof Flashing Present	None Detected	Non-Fibrous Material	100%
46	LAYER 1 Cove Base, Gray, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Mastic, Beige, Homogeneous No Roof Flashing Present	None Detected	Non-Fibrous Material	100%
47	LAYER 1 Cove Base, Gray, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Mastic, Beige, Homogeneous No Roof Flashing Present	None Detected	Non-Fibrous Material	100%
48	LAYER 1 Cove Base, Green, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Mastic, Beige, Homogeneous No Wallboard Present	None Detected	Non-Fibrous Material	100%

Juliann Johnson Analyst

  
 Scott Ward, Ph.D. Lab Director

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**Bulk Asbestos Fiber Analysis by Polarized Light Microscopy (PLM)**

**Appx E Sub E 40 CFR 763 / EPA 600/R-93/116**

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**Salvation Army Building (Revised)**

Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	
49	LAYER 1 Cove Base, Green, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Mastic, Beige, Homogeneous No Wallboard Present	None Detected	Non-Fibrous Material	100%
50	LAYER 1 Cove Base, Gray, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Mastic, Beige, Homogeneous No Wallboard Present	None Detected	Non-Fibrous Material	100%
51	LAYER 1 Cove Base, Brown, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Mastic, Brown, Homogeneous	None Detected	Non-Fibrous Material	100%
52	LAYER 1 Cove Base, Black, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Mastic, Yellow, Homogeneous	None Detected	Non-Fibrous Material	100%
53	LAYER 1 Cove Base, Black, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Mastic, Yellow, Homogeneous	None Detected	Non-Fibrous Material	100%

Juliann Johnson Analyst

  
 Scott Ward, Ph.D. Lab Director

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**Bulk Asbestos Fiber Analysis by Polarized Light Microscopy (PLM)**

**Appx E Sub E 40 CFR 763 / EPA 600/R-93/116**

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**Salvation Army Building (Revised)**

Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	
54	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 3 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Wallboard, Brown/ White, Homogeneous No Cove Base Present	None Detected	Cellulose Fiber Non-Fibrous Material	10% 90%
55	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 3 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Wallboard, Brown/ White, Homogeneous No Cove Base Present	None Detected	Cellulose Fiber Non-Fibrous Material	10% 90%
56	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 3 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Wallboard, Brown/ White, Homogeneous No Cove Base Present	None Detected	Cellulose Fiber Non-Fibrous Material	10% 90%

Juliann Johnson Analyst

  
 Scott Ward, Ph.D. Lab Director

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**Bulk Asbestos Fiber Analysis by Polarized Light Microscopy (PLM)**

**Appx E Sub E 40 CFR 763 / EPA 600/R-93/116**

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**Salvation Army Building (Revised)**

Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	
57	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 3 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Wallboard, Brown/ White, Homogeneous No Cove Base Present	None Detected	Cellulose Fiber Non-Fibrous Material	10% 90%
58	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 3 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Wallboard, Brown/ White, Homogeneous No Cove Base Present	None Detected	Cellulose Fiber Non-Fibrous Material	10% 90%
59	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Wallboard, Brown/ White, Homogeneous No Cove Base Present	None Detected	Cellulose Fiber Non-Fibrous Material	10% 90%

Juliann Johnson Analyst

  
 Scott Ward, Ph.D. Lab Director

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**Bulk Asbestos Fiber Analysis by Polarized Light Microscopy (PLM)**

**Appx E Sub E 40 CFR 763 / EPA 600/R-93/116**

**Brandon Smitherman**  
**Etech Environmental & Safety Solutions, Inc.**  
**P.O. Box 62228**  
**Midland TX 79711**

**J3 Order #:** JH20119903  
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**Date Received:** 12-Jun-2020  
**Date Analyzed:** 12-Jun-2020  
**Date Reported:** 17-Jun-2020

**Salvation Army Building (Revised)**

Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	
60	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 3 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Non-Fibrous Material	10% 90%
61	LAYER 1 Paint Texture, Lt. Blue, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Non-Fibrous Material	10% 90%
62	Roof Tar, Silver/ Black, Homogeneous No Wallboard System Present	None Detected	Fibrous Glass Non-Fibrous Material	<1% 100%
63	Roof Tar, Silver/ Black, Homogeneous No Wallboard System Present	None Detected	Fibrous Glass Non-Fibrous Material	<1% 100%
64	Roof Tar, Silver/ Black, Homogeneous No Wallboard System Present	None Detected	Fibrous Glass Non-Fibrous Material	<1% 100%
65	Roof Tar, Silver/ Black, Homogeneous No Wallboard System Present	None Detected	Cellulose Fiber Non-Fibrous Material	3% 97%

Juliann Johnson Analyst

  
 Scott Ward, Ph.D. Lab Director

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**Salvation Army Building (Revised)**

Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	
66	LAYER 1 Roll Roofing, Silver/ Black, Homogeneous	None Detected	Synthetic Fiber Non-Fibrous Material	8% 92%
	LAYER 2 Tar, Black, Homogeneous No Wallboard System Present	None Detected	Non-Fibrous Material	100%
67	LAYER 1 Roof Tar, Silver/ Black, Homogeneous	None Detected	Cellulose Fiber Non-Fibrous Material	3% 97%
	LAYER 2 Mesh Tape, Black, Homogeneous No Wallboard System Present	None Detected	Fibrous Glass Non-Fibrous Material	90% 10%

Juliann Johnson Analyst

  
 Scott Ward, Ph.D. Lab Director

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Asbestos Inspection  
300 S. Baird  
Midland, TX

Midland County  
P.O. Box 421  
Midland, TX

## **Chain of Custody**

# IH CHAIN OF CUSTODY



J3 Resource:

Open Lab Fee

J3 Order # (Lab Use Only)  
**119903**

<b>Submitter Name:</b> Brandon Smitherman	<b>Bill to:</b> E-Tech Environmental
<b>Company:</b> E-Tech Environmental	<b>Address:</b> P.O. Box 62228
<b>Address:</b> 13000 W. CR 100	
<b>City/State:</b> Midland, TX	<b>Zip:</b> 79711
<b>City/State:</b> Midland, TX	<b>PO #:</b>

### Project Information

<b>Project Name:</b> Salvation Army Building	<b>Project Manager:</b> Brandon Smitherman
<b>Project #:</b> 12541	<b>Telephone - Office/Cell:</b> 432-894-2100
<b>Reports - Email Address:</b> b.smitherman@etechenv.com	
<b>Invoice - Email Address:</b> kristi@etechenv.com	<b>Notification By:</b> Email: <input type="checkbox"/> Verbal: <input type="checkbox"/>

Special Instructions:

### Turnaround Times - Please Select One

<b>Emergency*</b> <input type="checkbox"/>	<b>1 Day</b> <input checked="" type="checkbox"/>	<b>2 Day</b> <input type="checkbox"/>	<b>3 Day</b> <input type="checkbox"/>	<b>5 Day</b> <input type="checkbox"/>
--	--	---------------------------------------	---------------------------------------	---------------------------------------

### ASBESTOS

PLM - Bulk	PCM - Air	TEM - Air	TEM - Bulk	TEM - Water	TEM - Dust	TEM/PLM Soil/Vermiculite/Ore
<b>EPA 600/R-93/116</b> <input checked="" type="checkbox"/> Visual Estimation (<1%) <input type="checkbox"/> 400 Point Count 0.25% <input type="checkbox"/> 1,000 Point Count 0.1% <input type="checkbox"/> Gravimetric Reduction <input type="checkbox"/> Matrix Reduction (+/-) <input type="checkbox"/> NIOSH 9002 <input type="checkbox"/> OSHA ID-191	<input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> ASTM D7201 <input type="checkbox"/> ISO 8672 <input type="checkbox"/> OSHA ID-160	<input type="checkbox"/> AHERA <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> ASTM D6281 <input type="checkbox"/> ISO 10312 <input type="checkbox"/> ISO 13794	<input type="checkbox"/> Gravimetric Reduction (<1%) <input type="checkbox"/> Matrix Reduction (+/-) <input type="checkbox"/> Qualitative (+/-) <input type="checkbox"/> Drop Mount <input type="checkbox"/> Filtration	<input type="checkbox"/> EPA 100.2 Drinking Water <input type="checkbox"/> >10 µm fibers <input type="checkbox"/> ≥0.5 µm fibers <input type="checkbox"/> EPA 100.2 Effluent / WW Received on ice: <input type="checkbox"/> Yes <input type="checkbox"/> No Temp: _____	<input type="checkbox"/> ASTM D5755 Microvac <input type="checkbox"/> ASTM D6480 Wipe <input type="checkbox"/> 600/J-93/167 Carpet - EPA <input type="checkbox"/> Bulk Dust Qualitative	<input type="checkbox"/> ASTM 7521-TEM (+/-) <input type="checkbox"/> ASTM 7521-TEM (<1%) <input type="checkbox"/> CARB 435-Modified <input type="checkbox"/> Soil - PLM Only (+/-) <input type="checkbox"/> Vermiculite - TEM (+/-) <input type="checkbox"/> Vermiculite-Cincinnati <input type="checkbox"/> Erionite ID

### METALS

### SILICA/PARTICULATES

Flame AA	Graphite Furnace AA - LEAD	ICP	X-Ray Diffraction / Gravimetric
<input type="checkbox"/> Lead in Paint - SW846 7420/3050B <input type="checkbox"/> Lead in Air - NIOSH 7082 <input type="checkbox"/> Lead in Wipes - SW846 7420/3050B <input type="checkbox"/> Lead in Soil - SW846 7420/3050B <input type="checkbox"/> TCLP - SW846-1311/6010B	<input type="checkbox"/> Drinking Water - EPA 200.9 <input type="checkbox"/> Wastewater - SW846-7421 <input type="checkbox"/> Soil/Sludge - SW846-7421 <input type="checkbox"/> Air - NIOSH 7105	<input type="checkbox"/> Elements in Air - NIOSH 7300 <input type="checkbox"/> Wipe/Soil - SW846-6010B <input type="checkbox"/> Effluent - SW846-6010B <input type="checkbox"/> Welding Fume - NIOSH 7300M	<input type="checkbox"/> Respirable Crystalline Silica NIOSH 7500 / OSHA 142 <input type="checkbox"/> NIOSH 0500 - Total Particulates <input type="checkbox"/> NIOSH 0600 - Respirable Particulates

**Total Number of Samples Submitted:** 67

**Positive Stop:**  YES  NO

### Signatures

<b>Relinquished By:</b> _____	<b>Date:</b> 6/11/2020	<b>Time:</b> 13:30
<b>Received By:</b> _____	<b>Date:</b> 6/11/2020	<b>Time:</b> 0:58
<b>Relinquished By:</b> _____	<b>Date:</b> _____	<b>Time:</b> _____
<b>Received By:</b> _____	<b>Date:</b> _____	<b>Time:</b> _____

\*Emergency TAT requires prior lab notification. All samples analyzed outside normal business hours are charged at Emergency rate.  
 \*\*TAT's are in Business Days rather than Hours (i.e.1 Day TAT = End of Next Business Day)



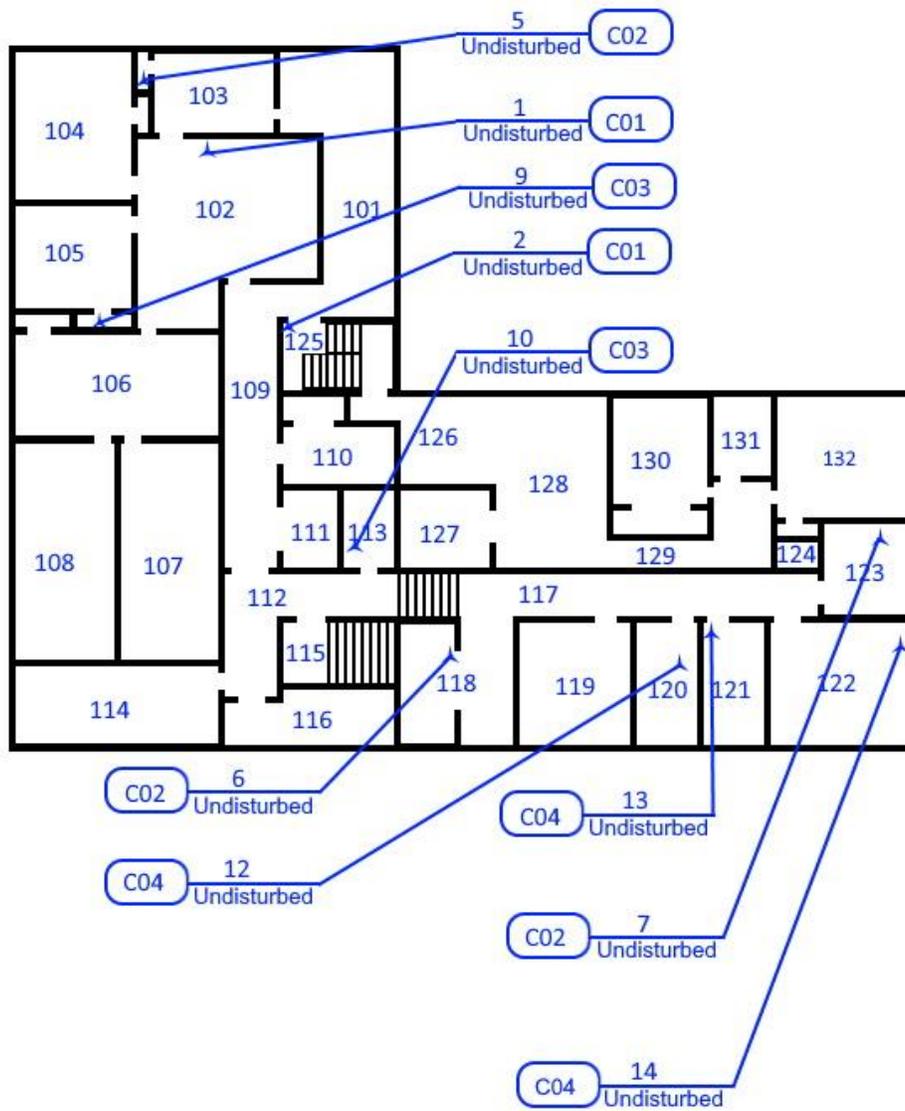
Asbestos Inspection  
300 S. Baird  
Midland, TX

Midland County  
P.O. Box 421  
Midland, TX

## Site Diagrams

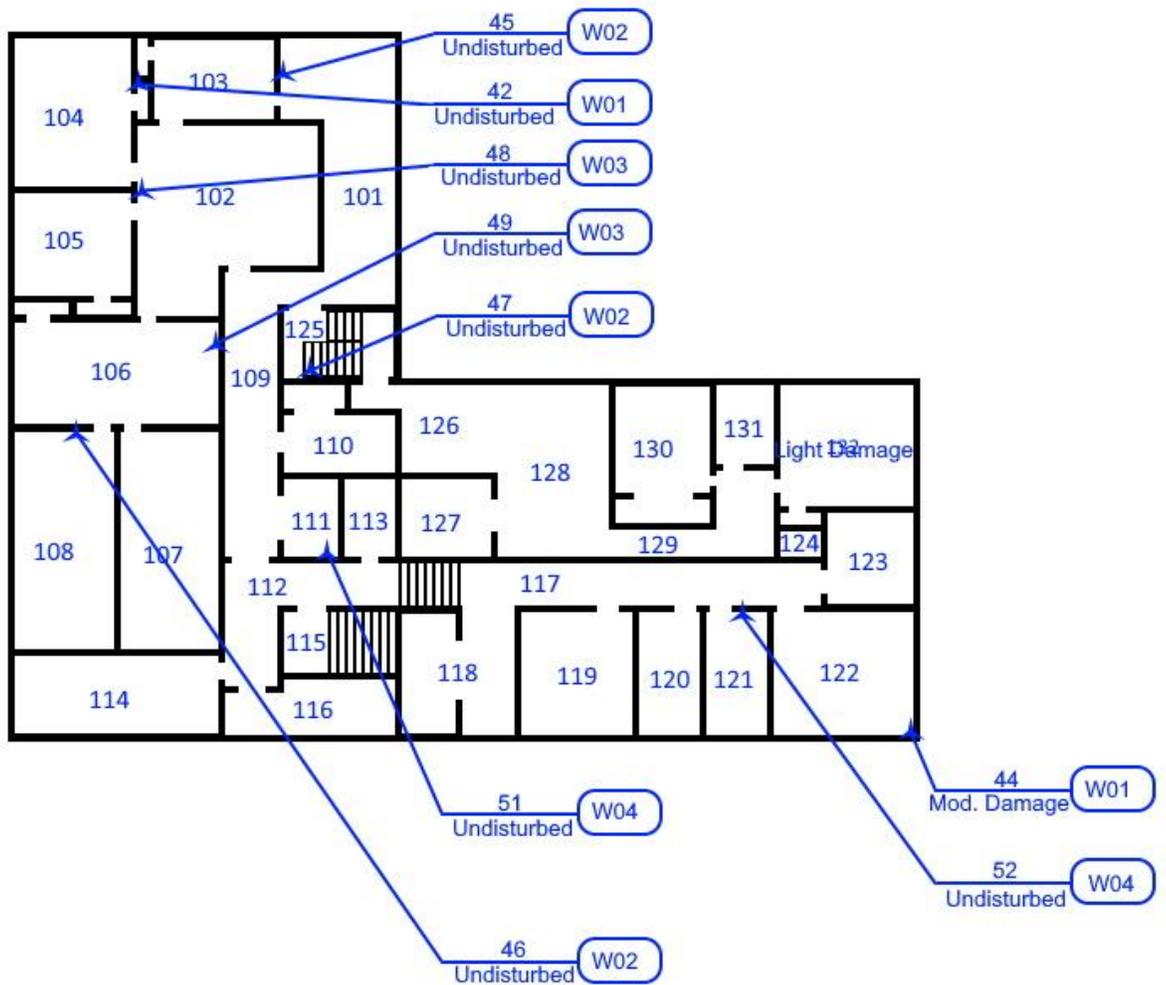
# Salvation Army Building

Ground Floor  
Sample Locations - Ceilings



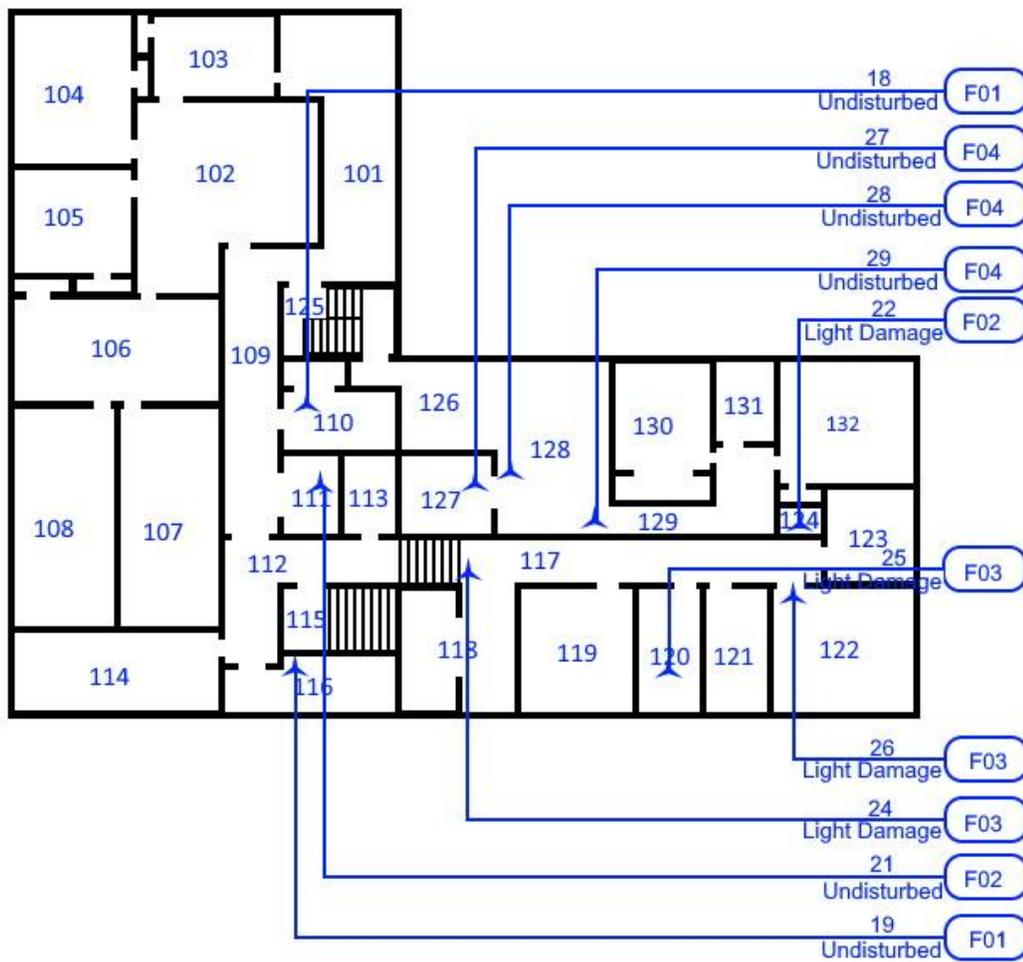
# Salvation Army Building

Ground Floor  
Sample Locations - Walls



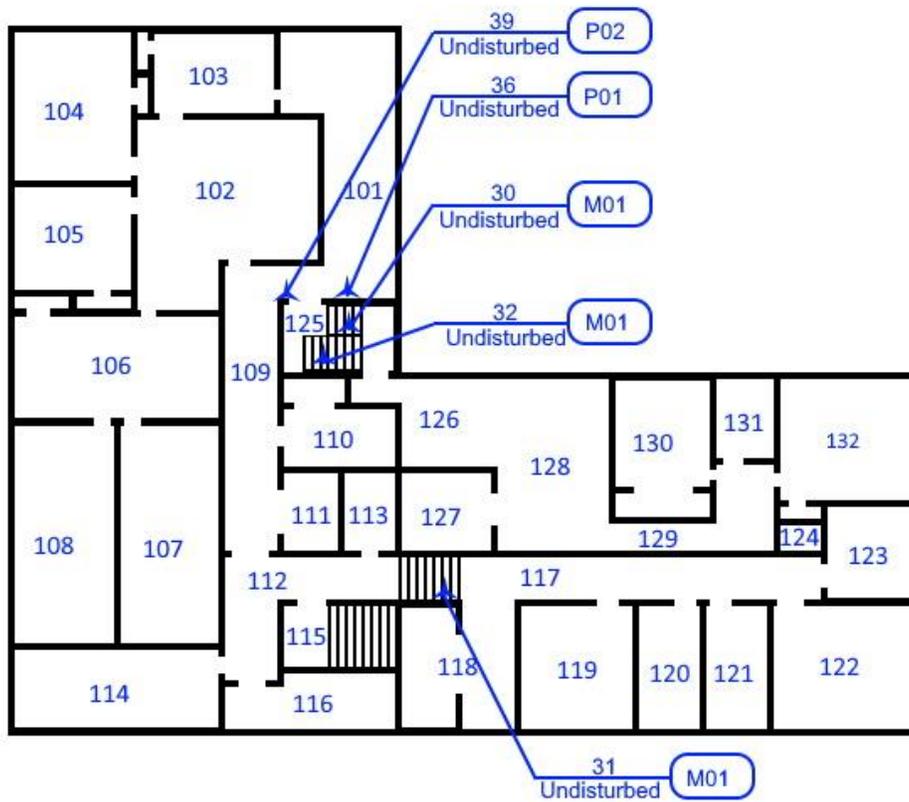
# Salvation Army Building

Ground Floor  
Sample Locations - Flooring



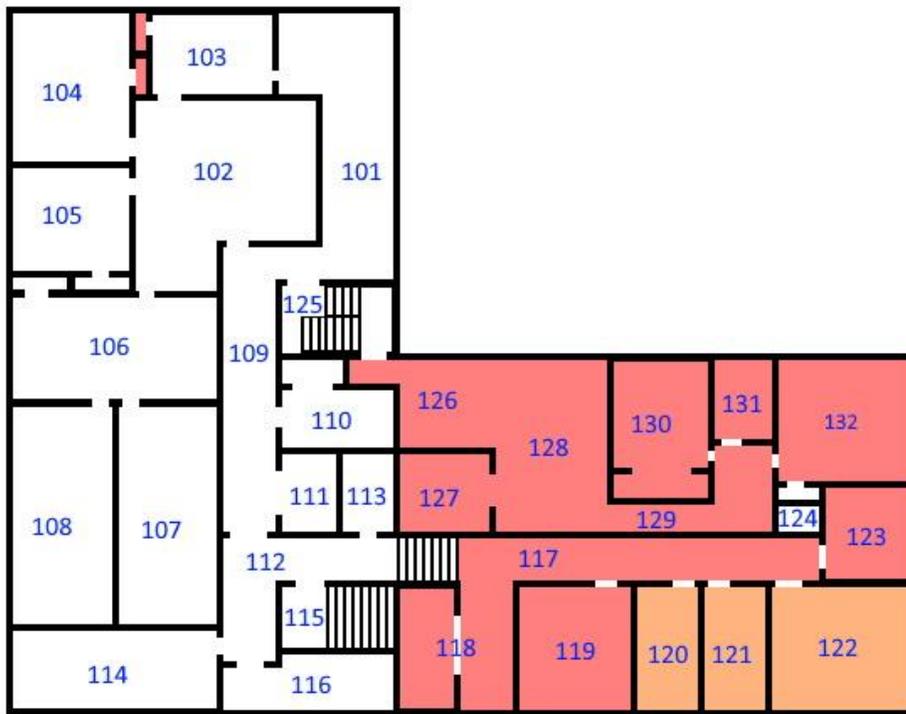
# Salvation Army Building

Ground Floor  
Sample Locations - Pipe & Misc



# Salvation Army Building

Ground Floor  
ACM Ceilings

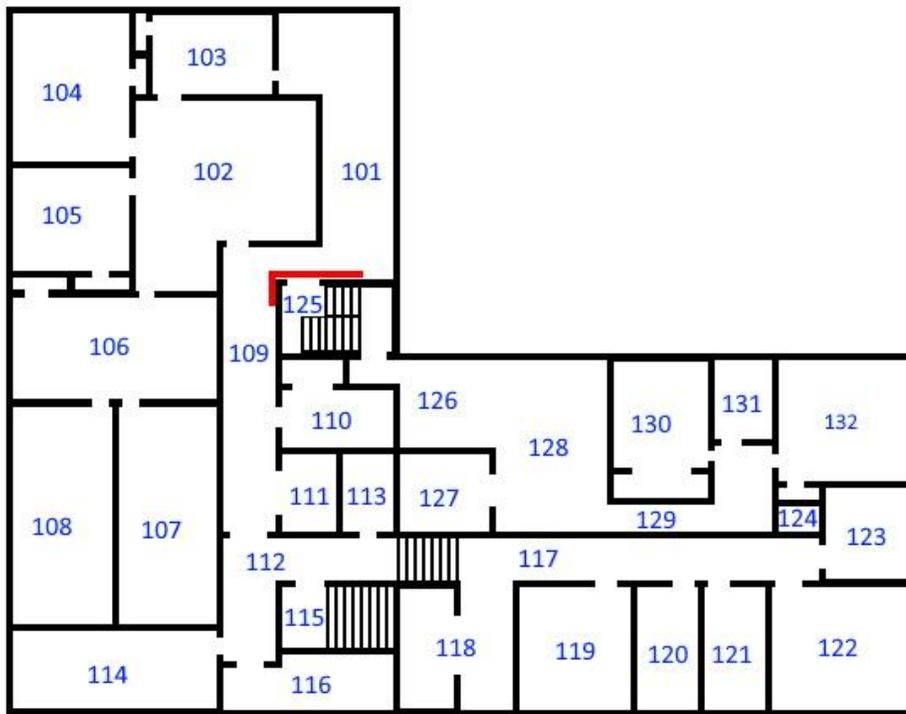


-  C02 - Popcorn Ceiling Texture
-  C04 - Drywall w/ Tape, Bed, & Drag Texture (<1%)



# Salvation Army Building

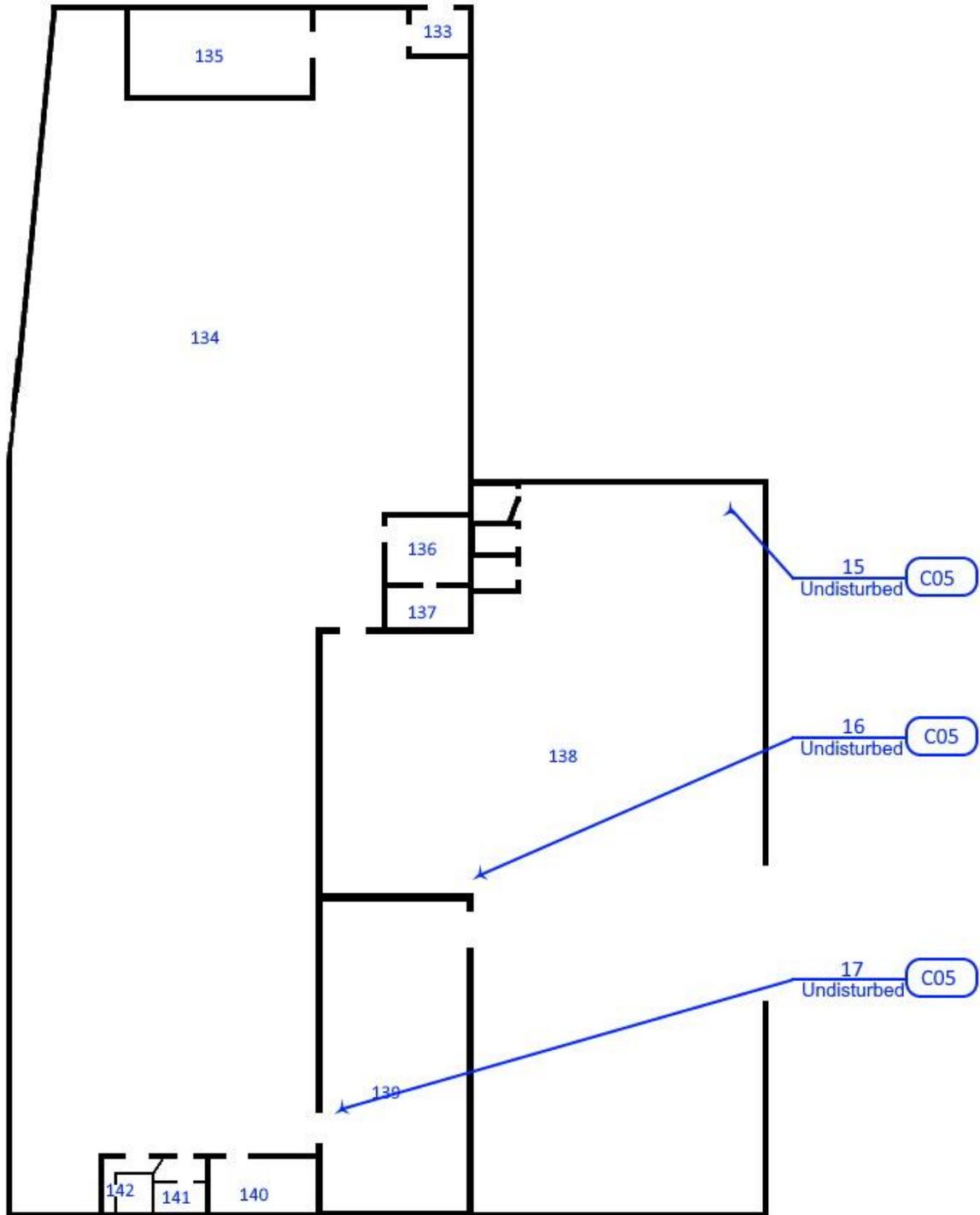
Ground Floor  
ACM Pipe & Fitting Insulation



 Pipe insulation (ACM mud/mastic on outer layer in some areas) and Pipe Fitting Insulation. These materials are assumed to exist throughout the building.

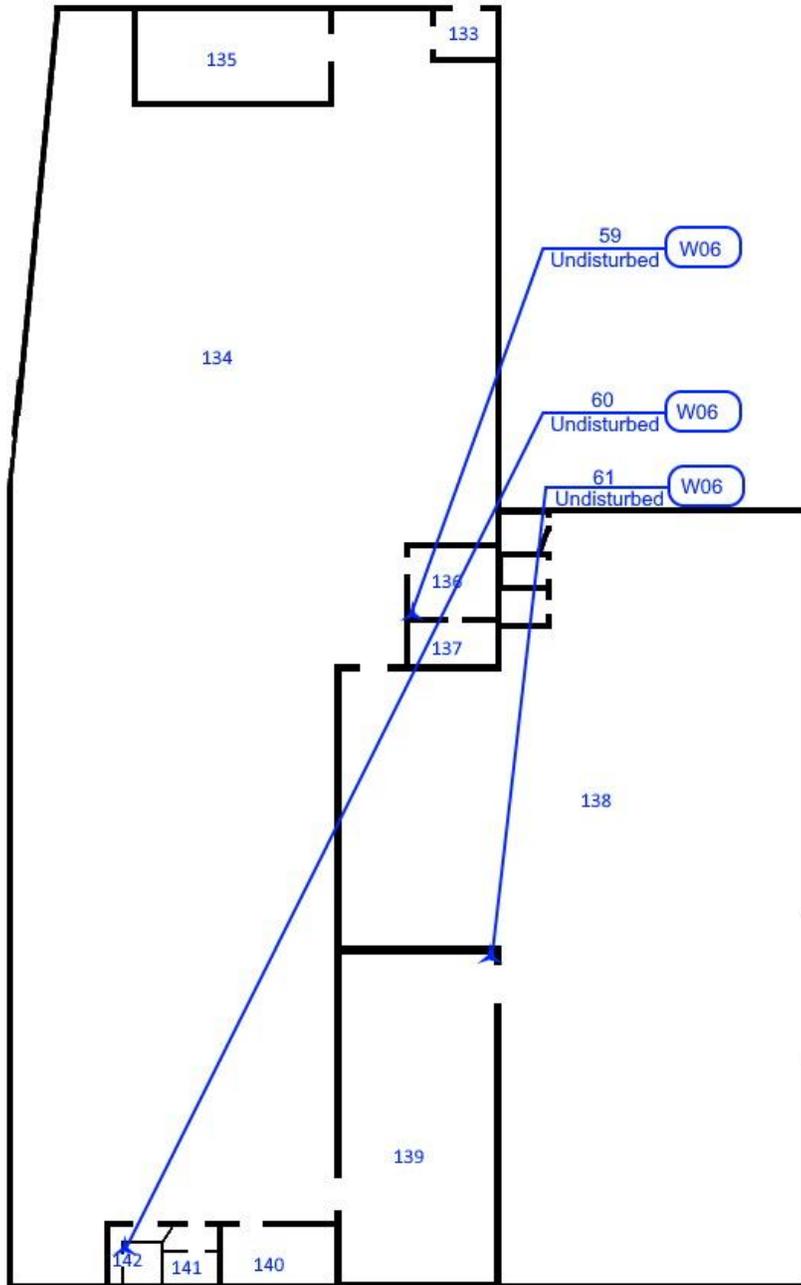
# Salvation Army Building

Warehouse  
Sample Locations - Ceilings



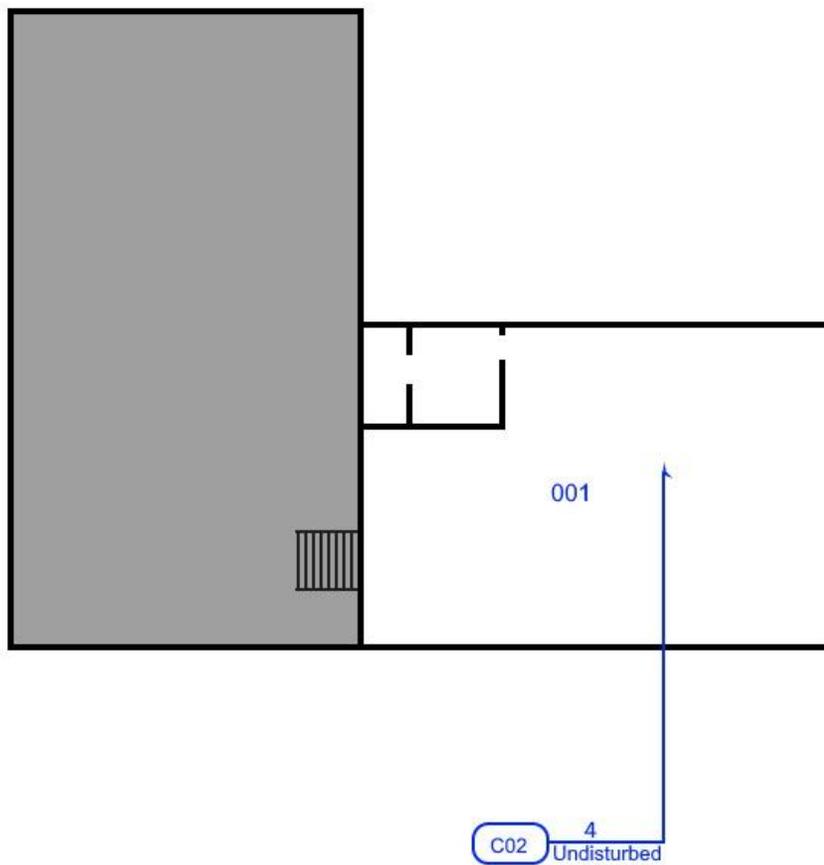
# Salvation Army Building

Warehouse  
Sample Locations - Walls



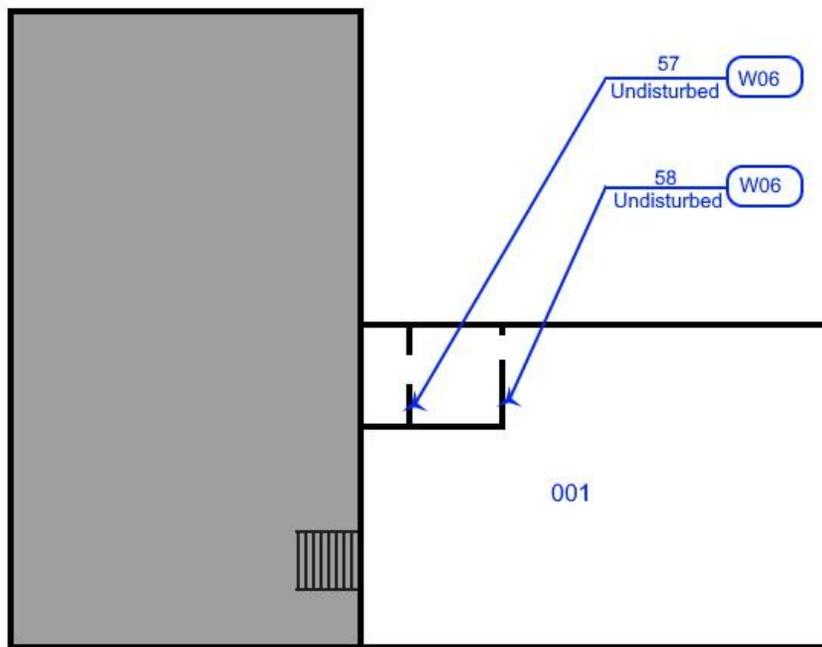
# Salvation Army Building

Basement  
Sample Locations - Ceilings



# Salvation Army Building

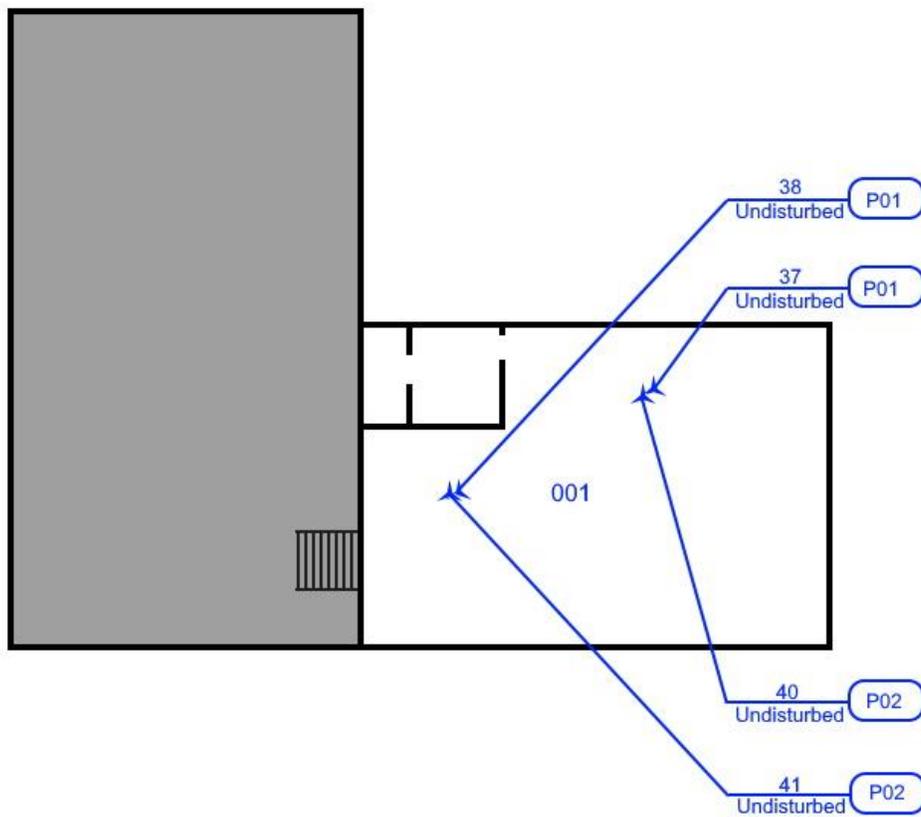
Basement  
Sample Locations - Walls



# Salvation Army Building

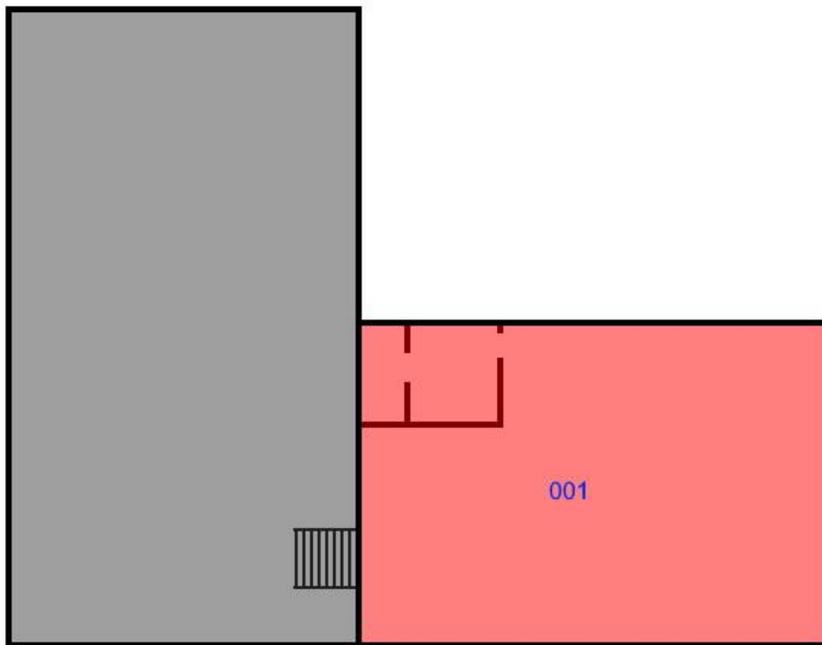
Basement

Sample Locations - Pipe



# Salvation Army Building

Basement  
ACM Ceilings

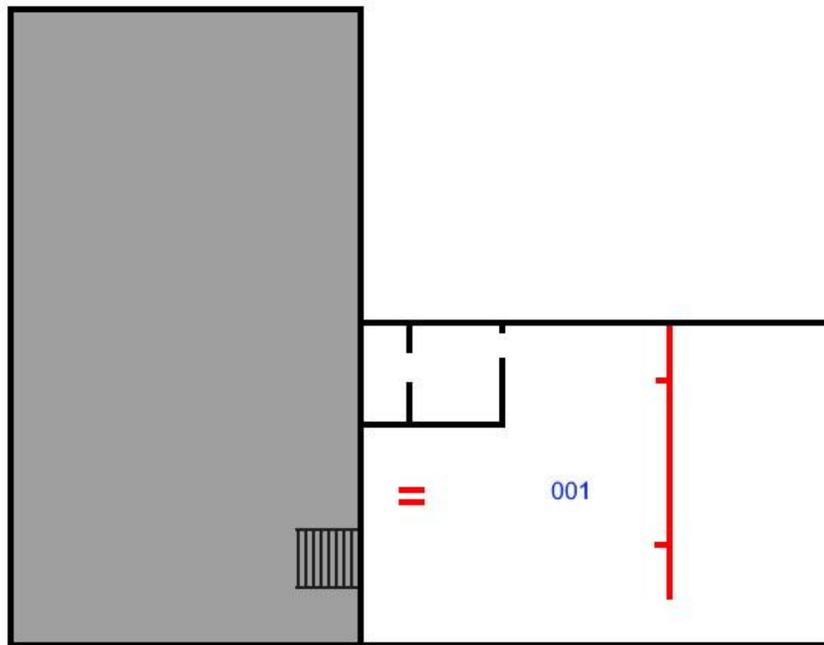


 C02 - Popcorn Ceiling Texture



# Salvation Army Building

Basement  
ACM Pipe & Fitting Insulation

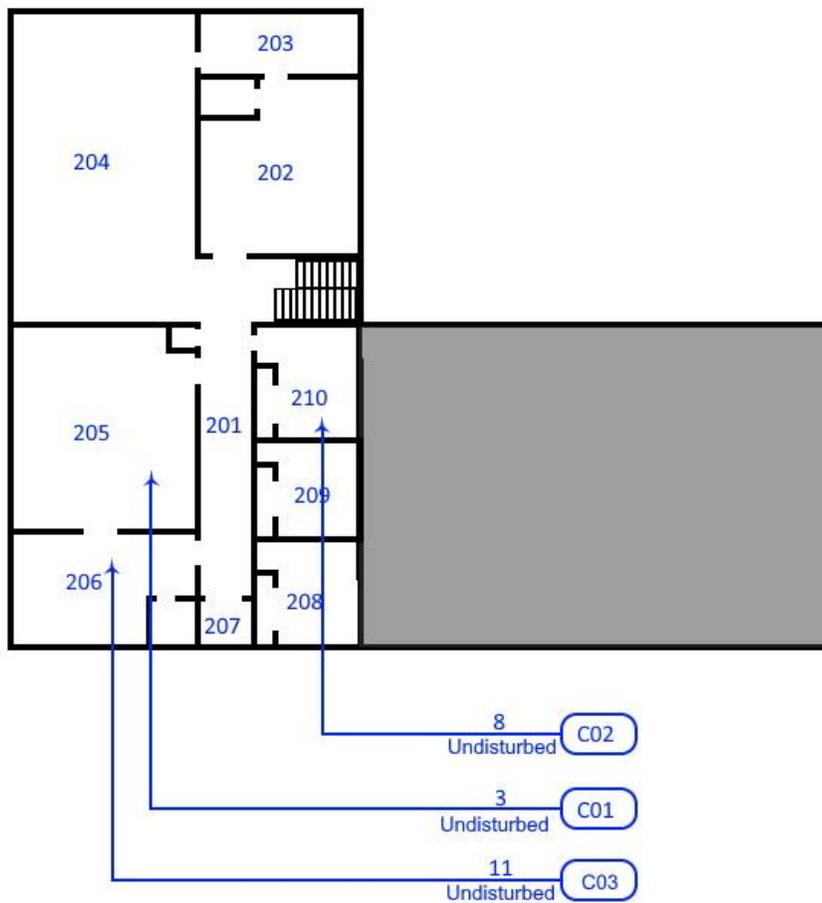


 Pipe insulation (ACM mud/mastic on outer layer in some areas) and Pipe Fitting Insulation. These materials are assumed to exist throughout the building.



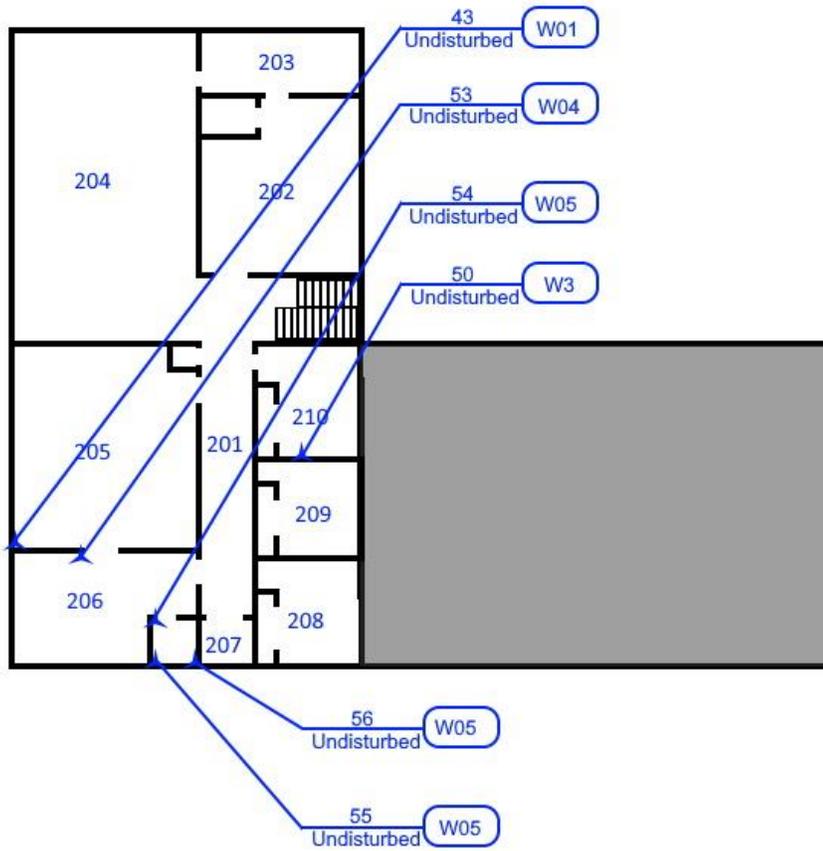
# Salvation Army Building

2nd Floor  
Sample Locations - Ceilings



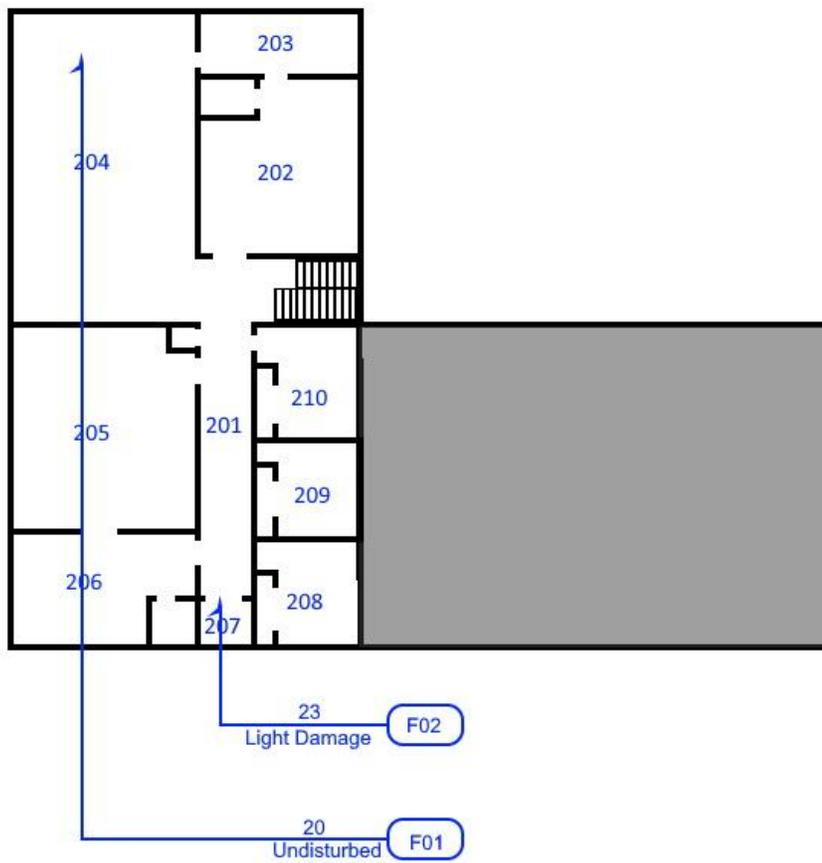
# Salvation Army Building

2nd Floor  
Sample Locations - Walls



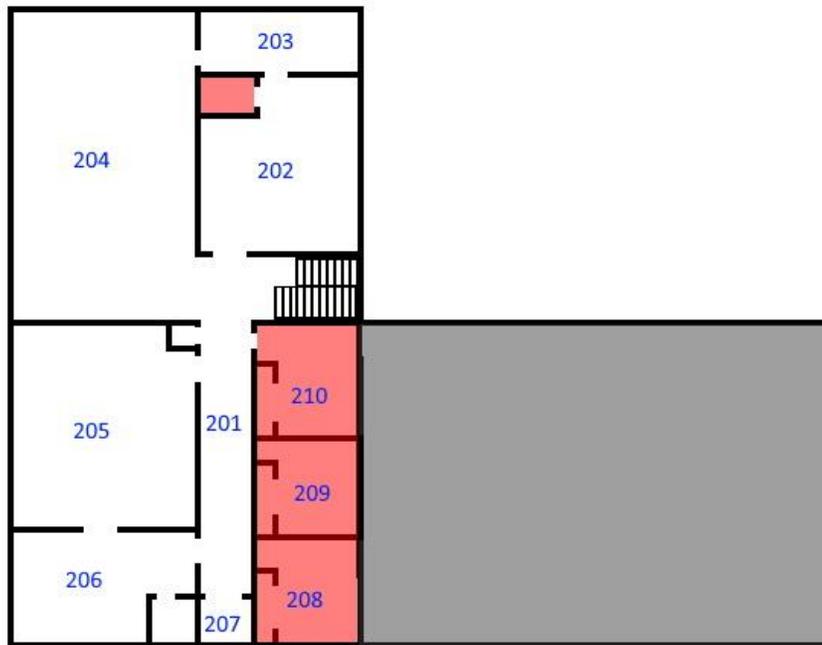
# Salvation Army Building

2nd Floor  
Sample Locations - Flooring



# Salvation Army Building

2nd Floor  
ACM Ceilings



 C02 - Popcorn Ceiling Texture



# Salvation Army Building

2nd Floor  
ACM Floors

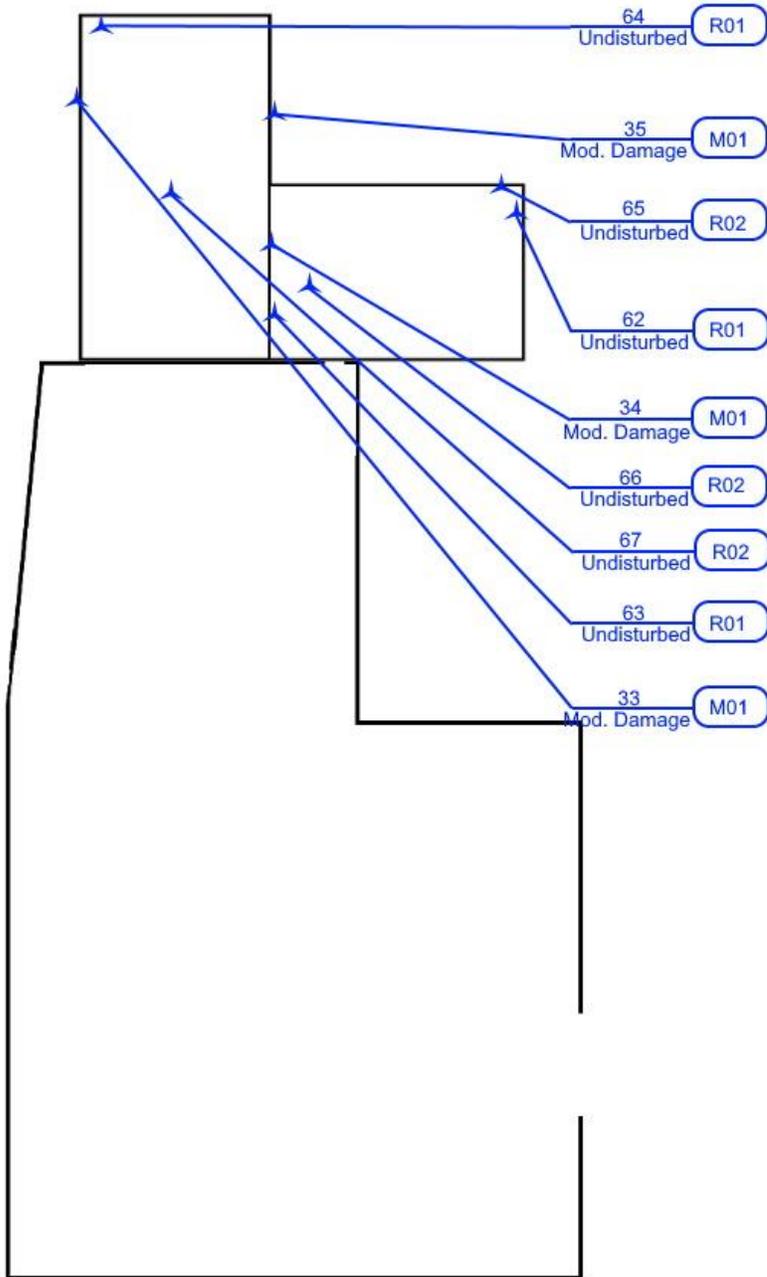


 F01 - 12x12 Resilient Floor Tile - White w/ Multi Accents & Black Mastic

 F02 - 12x12 Resilient Floor Tile - Brown w/ Multi Accents & Black Mastic



### Salvation Army Building Exterior - Complete Sample Locations - Exterior



Asbestos Inspection  
300 S. Baird  
Midland, TX

Midland County  
P.O. Box 421  
Midland, TX

## **E-Tech Licenses**



Texas Department of State Health Services

ETECH ENVIRONMENTAL & SAFTEY SOLUTIONS INC

*is certified to perform as an*

Asbestos Consultant Agency

*in the State of Texas and is hereby governed by the rights, privileges and responsibilities set forth in Texas Occupations Code, Chapter 1954 and Title 12, Texas Administrative Code, Chapter 295 relating to Texas Asbestos Health Protection, as long as this license is not suspended or revoked.*



*License Number: 100507*

*Expiration Date: 02/25/2022*

*Control Number: 97256*

*John Hellerstedt, M.D.,  
Commissioner of Health*

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**Texas Department of  
State Health Services**

**Asbestos Individual Consultant**

**RONNY J MATTE**

**License No. 105771**

**Control No. 97669**

**Expiration Date: 13-Feb-2022**



GEBCO Associates certifies that  
**Brandon P. Smitherman**  
 464-55-1649



has successfully completed the Texas Department of State Health Services approved course entitled:  
**ASBESTOS CONTRACTOR/SUPERVISOR REFRESHER**

Date of Issue: 08/06/2019 Certificate No: 19243  
 Certificate expires one year from date of issue.

Course schedule anytime @ [www.gebco.org](http://www.gebco.org)

GEBCO Associates, LP  
 815 Trailwood Dr, Suite 200 Phone: 817-268-4006  
 Hurst, TX 76053 Fax: Fax: 817-282-9886




**Texas Department of State Health Services**

Asbestos Project Manager

**BRANDON P SMITHERMAN**  
 License No. 501390  
 Control No. 98154  
 Expiration Date: 11-Mar-2021



GEBCO Associates certifies that  
**Brandon P. Smitherman**  
 464-55-1649



has successfully completed the Texas Department of State Health Services approved course entitled:  
**ASBESTOS AIR MONITORING TECHNICIAN REFRESHER**

Date of Issue: 08/09/2019 Certificate No: 19184  
 Certificate expires one year from date of issue.

Course schedule anytime @ [www.gebco.org](http://www.gebco.org)

GEBCO Associates, LP  
 815 Trailwood Dr, Suite 200 Phone: 817-268-4006  
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**Texas Department of State Health Services**

Asbestos Air Monitoring Technician

**BRANDON P SMITHERMAN**  
 License No. 706532  
 Control No. 98317  
 Expiration Date: 11-Mar-2021



GEBCO Associates certifies that  
**Brandon P. Smitherman**  
 464-55-1649



has successfully completed the Texas Department of State Health Services approved course entitled:  
**ASBESTOS INSPECTOR REFRESHER**

Date of Issue: 08/07/2019 Certificate No: 19227  
 Certificate expires one year from date of issue.

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**Texas Department of State Health Services**

Asbestos Inspector

**BRANDON P SMITHERMAN**  
 License No. 603048  
 Control No. 99093  
 Expiration Date: 9/1/2020



GEBCO Associates certifies that  
**Jimmy W. McNeil, Jr.**  
 459-19-8382



has successfully completed the Texas Department of State Health Services approved course entitled:  
**ASBESTOS CONTRACTOR/SUPERVISOR REFRESHER**

Date of Issue: 08/12/2019 Certificate No: 19271  
 Certificate expires one year from date of issue.

Course schedule anytime @ [www.gebco.org](http://www.gebco.org)

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 815 Trailwood Dr, Suite 200 Phone: 817-268-4006  
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**Texas Department of State Health Services**

**Asbestos Project Manager**

**JIMMY W MCNEIL JR**

License No. **500901**  
 Control No. **98391**  
 Expiration Date: **30-Jan-2022**



GEBCO Associates certifies that  
**Jimmy W. McNeil, Jr.**  
 459-19-8382



has successfully completed the Texas Department of State Health Services approved course entitled:  
**ASBESTOS AIR MONITORING TECHNICIAN REFRESHER**

Date of Issue: 08/13/2019 Certificate No: 19200  
 Certificate expires one year from date of issue.

Course schedule anytime @ [www.gebco.org](http://www.gebco.org)

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**Texas Department of State Health Services**

**Asbestos Air Monitoring Technician**

**JIMMY W MCNEIL JR**

License No. **706031**  
 Control No. **98598**  
 Expiration Date: **3-Mar-2022**



GEBCO Associates certifies that  
**Jimmy W. McNeil, Jr.**  
 459-19-8382



has successfully completed the Texas Department of State Health Services approved course entitled:  
**ASBESTOS INSPECTOR REFRESHER**

Date of Issue: 08/14/2019 Certificate No: 19259  
 Certificate expires one year from date of issue.

Course schedule anytime @ [www.gebco.org](http://www.gebco.org)

GEBCO Associates, LP  
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**Texas Department of State Health Services**

**Asbestos Inspector**

**JIMMY W MCNEIL JR**

License No. **602130**  
 Control No. **99432**  
 Expiration Date: **28-Aug-2021**





## Asbestos Survey Report

Project:  
301 S. Main  
Midland, TX

For:  
Midland County  
P.O. Box 421  
Midland, TX 79702

E-Tech Project # 1245-12540-000

Inspection Date: 9-10 June 2020

Report Date: 17 June 2020

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## Attachments

**Attachment 1** - Asbestos Lab PLM Bulk Results

**Attachment 2** - Chain of Custody

**Attachment 3** - Site Diagrams

**Attachment 4** - Copy of E-Tech Licenses

## 1.0 Executive Summary

On Tuesday, June 9, 2020, Wally McNeil and Brandon Smitherman of E-Tech Environmental & Safety Solutions performed a visual inspection and collected bulk samples of suspect asbestos-containing materials found in the building located at 301 S. Main Street in Midland, Texas. A total of sixty (60) samples were collected from nineteen (19) homogeneous materials. The suspect asbestos-containing materials identified were:

\*Contains Asbestos by PLM  
\*\* Contains less than 1% Asbestos by PLM  
\*\*\*Assumed to contain Asbestos to prevent damage

HA	ACM	Description	Est. SF
C01		24x48 Suspended Acoustical Tile - Fissured & Perforated	19954
C02		Heavy Popcorn Texture	916
C03		24x24 Suspended Acoustical Tile - Fissured & Perforated	292
E01		Stucco	8150
F01		Linoleum - Wood Square Pattern	48
I01		Paper-backed Fiberglass Batt Insulation	21162
M01	***	White Sink undercoating	6
R01		Rolled Roofing	20000
R02	*	Roof Flashing	2836
W01		Paneling Glue - Beige	200
W02		Drywall w/ tape, bed, & light orange peel texture	28359
W03		Vinyl Cove Base - 4" Gray/Brown	2401
W04		Drywall w/ tape, bed, & light drag texture	1372
W05		Drywall w/ tape, bed, & very light spray texture	624
W06		Vinyl Cove Base - 4" Blue	157
W07		Vinyl Cove Base - 6" Brown	126
W08		Wallpaper on Drywall	14874
W09		Drywall w/ tape, bed, & medium drag texture	144
W10		Drywall w/ tape, bed, & heavy drag texture	320

The suspect asbestos-containing materials were submitted under chain of custody for analysis by Polarized Light Microscopy (PLM) to J3 Resources, a NVLAP accredited bulk PLM laboratory located in Houston, Texas.

## 2.0 Asbestos Bulk Sampling Methodology

Suspect asbestos bulk samples were collected and placed in zip-lock bags for laboratory analysis. The sampling was performed to identify asbestos in specific suspect asbestos-containing materials. The samples were submitted for analysis via polarized light microscopy (PLM).

The PLM method is the most commonly used method to analyze building materials for the presence of asbestos. The PLM method is in accordance with the EPA Interim Method of the Determination of Asbestos in Bulk Samples. This method utilizes the

optical properties of minerals to identify the selected constituent. The use of this method enables identification of the type and the percentage of asbestos in a sample.

The detection limit of the PLM method for asbestos identification is approximately one percent asbestos.

### **3.0 Conclusions**

Homogeneous material M01 – Sink Undercoating - White was assumed to contain asbestos to prevent damage to the sink.

Homogeneous material R02 – Roof Flashing tested positive for asbestos by PLM.

### **4.0 Recommendations**

A copy of this survey should be kept on site during demolition or renovation activities.

Asbestos-containing materials should be abated prior to demolition or renovation activities which would cause the materials to be disturbed.

Asbestos abatement must be conducted by licensed asbestos abatement workers employed by a licensed asbestos abatement company.

Abatements must be designed by a licensed asbestos consultant and a representative of the asbestos consultant must be present during asbestos abatement on the interior of public buildings in the State of Texas. Etech can provide asbestos consulting services.

If suspect asbestos-containing materials other than those already tested are encountered during demolition, then they should be assumed to contain asbestos or they should be tested to prove otherwise.

### **5.0 Limitations**

The field observations, measurements and research reported herein are considered sufficient in detail and scope to determine the asbestos content of the tested materials at the subject property on the date of the inspection. The assessment, conclusions and recommendations presented herein are based upon specifically limited data. They do not represent all conditions at the subject property. E-Tech warrants the findings and conclusions contained herein have been promulgated in accordance with generally accepted industrial hygiene methodology and only for the site described in this report.

### **6.0 Use by Third Parties**

This report was prepared pursuant to the agreement between E-Tech, and Midland County. The agreement relationship included an exchange of information about the subject property. Reliance or any use of this report by anyone other than the client(s), for whom it was prepared, is prohibited and therefore not foreseeable to E-Tech.

Reliance or use by any such third party without express written authorization from E-Tech does not make said third party a third-party beneficiary to E-Tech's agreement with the client. Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at third party's risk. For the same reasons, no warranties or representations, expressed or implied in this report, are made to any such third party.

## 7.0 Unidentifiable Conditions

This asbestos related environmental consulting report has been developed to provide the client with information regarding apparent conditions related to limited accessible building materials in the subject property. Although E Tech believes that the findings and conclusions provided in this report are reasonable, the assessment is necessarily limited to the conditions observed and to the information available at the time of the inspection. Due to the nature of the work, there is a possibility conditions exist that could not be identified within the scope of the assessment or which were not apparent at the time it was conducted. It is also possible that the testing methods employed at the time of the report may later be superseded by other methods. E-Tech does not accept responsibility for changes in the state of the art.

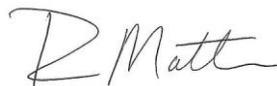
We have employed state-of-the-art practices to perform this analysis of risk and identification, but this evaluation is limited in scope to the areas listed above. Our services consist of professional opinions and recommendations made in accordance with generally accepted engineering principles and practices.

Written by,



Brandon Smitherman  
Texas Asbestos Inspector  
License # 60-3048  
Expires: 9/1/2020

Reviewed and approved by,



Ronnie Matte  
Texas Individual Asbestos Consultant  
License # 10-5771  
Expires: 2/13/2022

Asbestos Inspection  
301 S. Main  
Midland, TX

Midland County  
P.O. Box 421  
Midland, TX

# PLM Laboratory Results



**Bulk Asbestos Fiber Analysis by Polarized Light Microscopy (PLM)**

**Appx E Sub E 40 CFR 763 / EPA 600/R-93/116**

**Brandon Smitherman**  
**Etech Environmental & Safety Solutions, Inc.**  
**P.O. Box 62228**  
**Midland TX 79711**

**J3 Order #:** JH20119904  
**Project #:** 12540  
**Date Received:** 12-Jun-2020  
**Date Analyzed:** 12-Jun-2020  
**Date Reported:** 12-Jun-2020

**301 S. Main - Midland**

Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents
1	Ceiling Tile, White/ Gray, Homogeneous	None Detected	Cellulose Fiber 50% Mineral Wool 30% Non-Fibrous Material 20%
2	Ceiling Tile, White/ Gray, Homogeneous	None Detected	Cellulose Fiber 50% Mineral Wool 30% Non-Fibrous Material 20%
3	Ceiling Tile, White/ Gray, Homogeneous	None Detected	Cellulose Fiber 50% Mineral Wool 30% Non-Fibrous Material 20%
4	Popcorn Texture, White, Homogeneous	None Detected	Synthetic Fiber 2% Non-Fibrous Material 98%
5	Popcorn Texture, White, Homogeneous	None Detected	Synthetic Fiber 2% Non-Fibrous Material 98%
6	Popcorn Texture, White, Homogeneous	None Detected	Synthetic Fiber 2% Non-Fibrous Material 98%
7	Ceiling Tile, White/ Gray, Homogeneous	None Detected	Cellulose Fiber 50% Mineral Wool 30% Non-Fibrous Material 20%
8	Ceiling Tile, White/ Gray, Homogeneous	None Detected	Cellulose Fiber 50% Mineral Wool 30% Non-Fibrous Material 20%

Juliann Johnson Analyst

  
 Scott Ward, Ph.D. Lab Director

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**Bulk Asbestos Fiber Analysis by Polarized Light Microscopy (PLM)**

**Appx E Sub E 40 CFR 763 / EPA 600/R-93/116**

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**301 S. Main - Midland**

Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	
9	Ceiling Tile, White/ Gray, Homogeneous	None Detected	Cellulose Fiber Mineral Wool Non-Fibrous Material	50% 30% 20%
10	Stucco, Beige/ Gray, Homogeneous	None Detected	Non-Fibrous Material	100%
11	Stucco, Beige/ Gray, Homogeneous	None Detected	Non-Fibrous Material	100%
12	Stucco, Beige/ Gray, Homogeneous	None Detected	Non-Fibrous Material	100%
13	LAYER 1 Flooring, Wood Grain/ Gray, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	30% <1 70%
	LAYER 2 Mastic, Yellow, Homogeneous	None Detected	Non-Fibrous Material	100%
14	LAYER 1 Flooring, Wood Grain/ Gray, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	30% <1 70%
	LAYER 2 Mastic, Yellow, Homogeneous	None Detected	Non-Fibrous Material	100%
15	LAYER 1 Flooring, Wood Grain/ Gray, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	30% <1 70%
	LAYER 2 Mastic, Yellow, Homogeneous	None Detected	Non-Fibrous Material	100%

Juliann Johnson Analyst

  
 Scott Ward, Ph.D. Lab Director

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**301 S. Main - Midland**

Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents
16	Insulation, Black/ Pink, Homogeneous	None Detected	Cellulose Fiber 10% Mineral Wool 80% Non-Fibrous Material 10%
17	Insulation, Black/ Pink, Homogeneous	None Detected	Cellulose Fiber 10% Mineral Wool 80% Non-Fibrous Material 10%
18	Insulation, Black/White, Homogeneous	None Detected	Cellulose Fiber 10% Mineral Wool 80% Non-Fibrous Material 10%
19	Roll Roofing, Black, Homogeneous	None Detected	Synthetic Fiber 8% Fibrous Glass 2% Non-Fibrous Material 90%
20	Roll Roofing, Black, Homogeneous	None Detected	Synthetic Fiber 8% Fibrous Glass 2% Non-Fibrous Material 90%
21	Roll Roofing, Black, Homogeneous	None Detected	Synthetic Fiber 8% Fibrous Glass 2% Non-Fibrous Material 90%
22	Roof Flashing, Black, Homogeneous	Chrysotile 5%	Fibrous Glass 3% Cellulose Fiber <1% Non-Fibrous Material 92%
23	Roof Flashing, *Not analyzed per client request		

Juliann Johnson Analyst

  
 Scott Ward, Ph.D. Lab Director

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**Bulk Asbestos Fiber Analysis by Polarized Light Microscopy (PLM)**

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**Brandon Smitherman**  
**Etech Environmental & Safety Solutions, Inc.**  
**P.O. Box 62228**  
**Midland TX 79711**

**J3 Order #:** JH20119904  
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**Date Received:** 12-Jun-2020  
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**Date Reported:** 12-Jun-2020

**301 S. Main - Midland**

Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	
24	Roof Flashing, *Not analyzed per client request			
25	LAYER 1 Panel, Lt. Brown, Homogeneous	None Detected	Cellulose Fiber Non-Fibrous Material	80% 20%
	LAYER 2 Mastic, Beige, Homogeneous	None Detected	Non-Fibrous Material	100%
26	Panel Mastic, Beige, Homogeneous	None Detected	Non-Fibrous Material	100%
27	Panel Mastic, Beige, Homogeneous	None Detected	Non-Fibrous Material	100%
28	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 3 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% <1 90%

Juliann Johnson Analyst

  
 Scott Ward, Ph.D. Lab Director

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**301 S. Main - Midland**

Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	
29	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 3 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% <1 90%
30	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 3 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% <1 90%
31	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 3 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% <1 90%

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Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	
32	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 3 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% <1 90%
33	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 3 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% <1 90%
34	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 3 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% <1 90%

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**301 S. Main - Midland**

Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	
35	LAYER 1 Cove Base, Brown, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Mastic, Yellow/ Brown, Homogeneous	None Detected	Non-Fibrous Material	100%
36	LAYER 1 Cove Base, Brown, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Mastic, Yellow/ Brown, Homogeneous	None Detected	Non-Fibrous Material	100%
37	LAYER 1 Cove Base, Brown, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Mastic, Yellow, Homogeneous	None Detected	Non-Fibrous Material	100%
38	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 3 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% <1 90%

Juliann Johnson Analyst

  
 Scott Ward, Ph.D. Lab Director

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**Bulk Asbestos Fiber Analysis by Polarized Light Microscopy (PLM)**

**Appx E Sub E 40 CFR 763 / EPA 600/R-93/116**

**Brandon Smitherman**  
**Etech Environmental & Safety Solutions, Inc.**  
**P.O. Box 62228**  
**Midland TX 79711**

**J3 Order #:** JH20119904  
**Project #:** 12540  
**Date Received:** 12-Jun-2020  
**Date Analyzed:** 12-Jun-2020  
**Date Reported:** 12-Jun-2020

**301 S. Main - Midland**

Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	
39	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 3 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% <1 90%
40	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 3 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% <1 90%
41	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 3 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% <1 90%

Juliann Johnson Analyst

  
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**301 S. Main - Midland**

Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	
42	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 3 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% <1 90%
43	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 3 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% <1 90%
44	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 3 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% <1 90%

Juliann Johnson Analyst

  
 Scott Ward, Ph.D. Lab Director

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**301 S. Main - Midland**

Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	
45	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 3 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% <1 90%
46	LAYER 1 Cove Base, Blue, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Mastic, Beige, Homogeneous	None Detected	Cellulose Fiber Non-Fibrous Material	5% 95%
47	LAYER 1 Cove Base, Blue, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Mastic, Beige, Homogeneous	None Detected	Non-Fibrous Material	100%
48	LAYER 1 Cove Base, Blue, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Mastic, Beige, Homogeneous	None Detected	Non-Fibrous Material	100%
49	LAYER 1 Cove Base, Brown, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Mastic, Beige, Homogeneous	None Detected	Non-Fibrous Material	100%

Juliann Johnson Analyst

  
 Scott Ward, Ph.D. Lab Director

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**Date Reported:** 12-Jun-2020

**301 S. Main - Midland**

Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	
50	LAYER 1 Cove Base, Brown, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Mastic, Beige, Homogeneous	None Detected	Non-Fibrous Material	100%
51	LAYER 1 Cove Base, Brown, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Mastic, Beige/ Brown, Homogeneous	None Detected	Non-Fibrous Material	100%
52	LAYER 1 Wallpaper, Tan, Homogeneous	None Detected	Cellulose Fiber Non-Fibrous Material	15% 85%
	LAYER 2 Mastic, Beige, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 3 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 5 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 6 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% <1 90%

Juliann Johnson Analyst

  
 Scott Ward, Ph.D. Lab Director

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**Bulk Asbestos Fiber Analysis by Polarized Light Microscopy (PLM)**

**Appx E Sub E 40 CFR 763 / EPA 600/R-93/116**

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**301 S. Main - Midland**

Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	
53	LAYER 1 Wallpaper, Tan, Homogeneous	None Detected	Cellulose Fiber Non-Fibrous Material	15% 85%
	LAYER 2 Mastic, Beige, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 3 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 5 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 6 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% <1 90%

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Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	
54	LAYER 1 Wallpaper, Tan, Homogeneous	None Detected	Cellulose Fiber Non-Fibrous Material	15% 85%
	LAYER 2 Mastic, Beige, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 3 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 5 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 6 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% <1 90%
	LAYER 7 Insulation, Brown, Homogeneous	None Detected	Cellulose Fiber Non-Fibrous Material	80% 20%
55	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Mesh Tape, White, Homogeneous	None Detected	Fibrous Glass Non-Fibrous Material	90% 10%
	LAYER 3 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 4 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 5 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Non-Fibrous Material	10% 90%

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**301 S. Main - Midland**

Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	
56	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Non-Fibrous Material	10% 90%
57	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Non-Fibrous Material	10% 90%
58	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 3 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% <1 90%
59	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 3 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% <1 90%

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Sample ID #	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	
60	LAYER 1 Texture, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 2 Tape, Beige, Homogeneous	None Detected	Cellulose Fiber	100%
	LAYER 3 Joint Compound, White, Homogeneous	None Detected	Non-Fibrous Material	100%
	LAYER 4 Wallboard, Brown/ White, Homogeneous	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% <1 90%

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Asbestos Inspection  
301 S. Main  
Midland, TX

Midland County  
P.O. Box 421  
Midland, TX

## **Chain of Custody**

# IH CHAIN OF CUSTODY



J3 Resource:

Open Lab Fee

J3 Order # 119904

<b>Submitter Name:</b> Brandon Smitherman	<b>Bill to:</b> E-Tech Environmental
<b>Company:</b> E-Tech Environmental	<b>Address:</b> P.O. Box 62228
<b>Address:</b> 13000 W. CR 100	
<b>City/State:</b> Midland, TX	<b>City/State:</b> Midland, TX <b>Zip:</b> 79711
<b>Zip:</b> 79711	<b>PO #:</b>

### Project Information

<b>Project Name:</b> 301 S. Main - Midland	<b>Project Manager:</b> Brandon Smitherman
<b>Project #:</b> 12540	<b>Telephone - Office/Cell:</b> 432-894-2100
<b>Reports - Email Address:</b> b.smitherman@etechenv.com	
<b>Invoice - Email Address:</b> kristi@etechenv.com	<b>Notification By:</b> Email: <input type="checkbox"/> Verbal: <input type="checkbox"/>

Special Instructions:

### Turnaround Times - Please Select One

Emergency\*     1 Day     2 Day     3 Day     5 Day

### ASBESTOS

PLM - Bulk	PCM - Air	TEM - Air	TEM - Bulk	TEM - Water	TEM - Dust	TEM/PLM Soil/Vermiculite/Ore
<b>EPA 600/R-93/116</b> <input checked="" type="checkbox"/> Visual Estimation (<1%) <input type="checkbox"/> 400 Point Count 0.25% <input type="checkbox"/> 1,000 Point Count 0.1% <input type="checkbox"/> Gravimetric Reduction <input type="checkbox"/> Matrix Reduction (+/-) <input type="checkbox"/> NIOSH 9002 <input type="checkbox"/> OSHA ID-191	<input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> ASTM D7201 <input type="checkbox"/> ISO 8672 <input type="checkbox"/> OSHA ID-160	<input type="checkbox"/> AHERA <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> ASTM D6281 <input type="checkbox"/> ISO 10312 <input type="checkbox"/> ISO 13794	<input type="checkbox"/> Gravimetric Reduction (<1%) <input type="checkbox"/> Matrix Reduction (+/-) <input type="checkbox"/> Qualitative (+/-) <input type="checkbox"/> Drop Mount <input type="checkbox"/> Filtration	<input type="checkbox"/> EPA 100.2 Drinking Water <input type="checkbox"/> >10 µm fibers <input type="checkbox"/> ≥0.5 µm fibers <input type="checkbox"/> EPA 100.2 Effluent / WW Received on ice: <input type="checkbox"/> Yes <input type="checkbox"/> No Temp: _____	<input type="checkbox"/> ASTM D5755 Microvac <input type="checkbox"/> ASTM D6480 Wipe <input type="checkbox"/> 600/J-93/167 Carpet - EPA <input type="checkbox"/> Bulk Dust Qualitative	<input type="checkbox"/> ASTM 7521-TEM (+/-) <input type="checkbox"/> ASTM 7521-TEM (<1%) <input type="checkbox"/> CARB 435-Modified <input type="checkbox"/> Soil - PLM Only (+/-) <input type="checkbox"/> Vermiculite - TEM (+/-) <input type="checkbox"/> Vermiculite-Cincinnati <input type="checkbox"/> Erionite ID

### METALS

### SILICA/PARTICULATES

Flame AA	Graphite Furnace AA - LEAD	ICP	X-Ray Diffraction / Gravimetric
<input type="checkbox"/> Lead in Paint - SW846 7420/3050B <input type="checkbox"/> Lead in Air - NIOSH 7082 <input type="checkbox"/> Lead in Wipes - SW846 7420/3050B <input type="checkbox"/> Lead in Soil - SW846 7420/3050B <input type="checkbox"/> TCLP - SW846-1311/6010B	<input type="checkbox"/> Drinking Water - EPA 200.9 <input type="checkbox"/> Wastewater - SW846-7421 <input type="checkbox"/> Soil/Sludge - SW846-7421 <input type="checkbox"/> Air - NIOSH 7105	<input type="checkbox"/> Elements in Air - NIOSH 7300 <input type="checkbox"/> Wipe/Soil - SW846-6010B <input type="checkbox"/> Effluent - SW846-6010B <input type="checkbox"/> Welding Fume - NIOSH 7300M	<input type="checkbox"/> Respirable Crystalline Silica NIOSH 7500 / OSHA 142 <input type="checkbox"/> NIOSH 0500 - Total Particulates <input type="checkbox"/> NIOSH 0600 - Respirable Particulates

Total Number of Samples Submitted: 60

Positive Stop:  YES     NO

### Signatures

<b>Relinquished By:</b> _____	<b>Date:</b> 6/11/2020	<b>Time:</b> 13:30
<b>Received By:</b> _____	<b>Date:</b> _____	<b>Time:</b> _____
<b>Relinquished By:</b> _____	<b>Date:</b> _____	<b>Time:</b> _____
<b>Received By:</b> _____	<b>Date:</b> _____	<b>Time:</b> _____

\*Emergency TAT requires prior lab notification. All samples analyzed outside normal business hours are charged at Emergency rate.

\*\*TAT's are in Business Days rather than Hours (i.e. 1 Day TAT = End of Next Business Day)

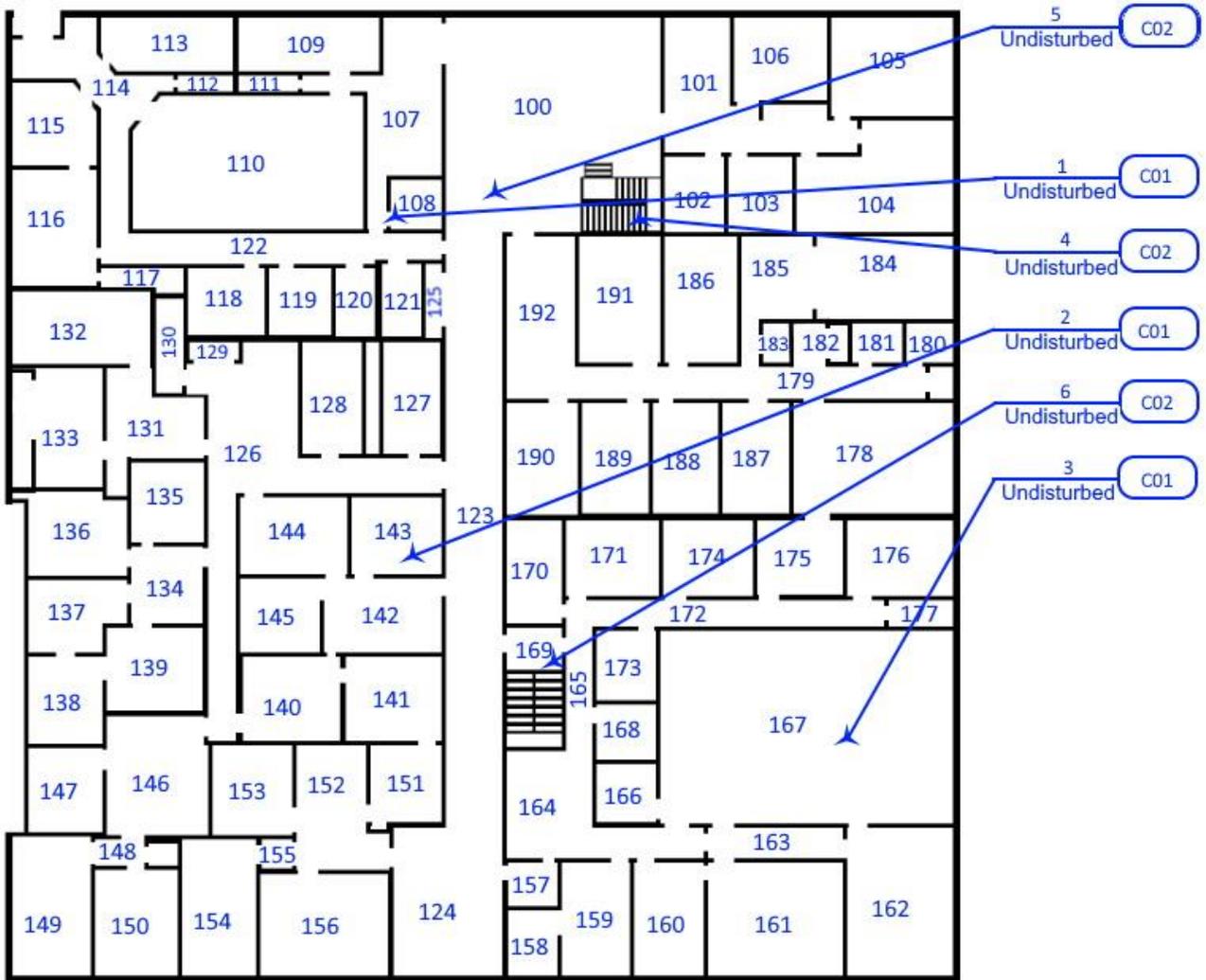


Asbestos Inspection  
301 S. Main  
Midland, TX

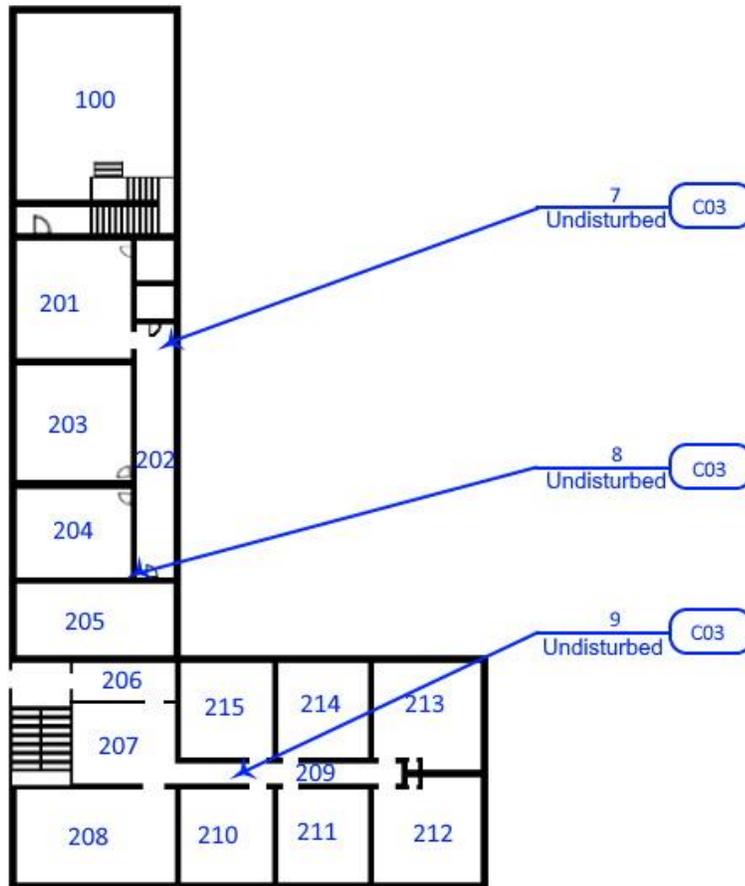
Midland County  
P.O. Box 421  
Midland, TX

## Site Diagrams

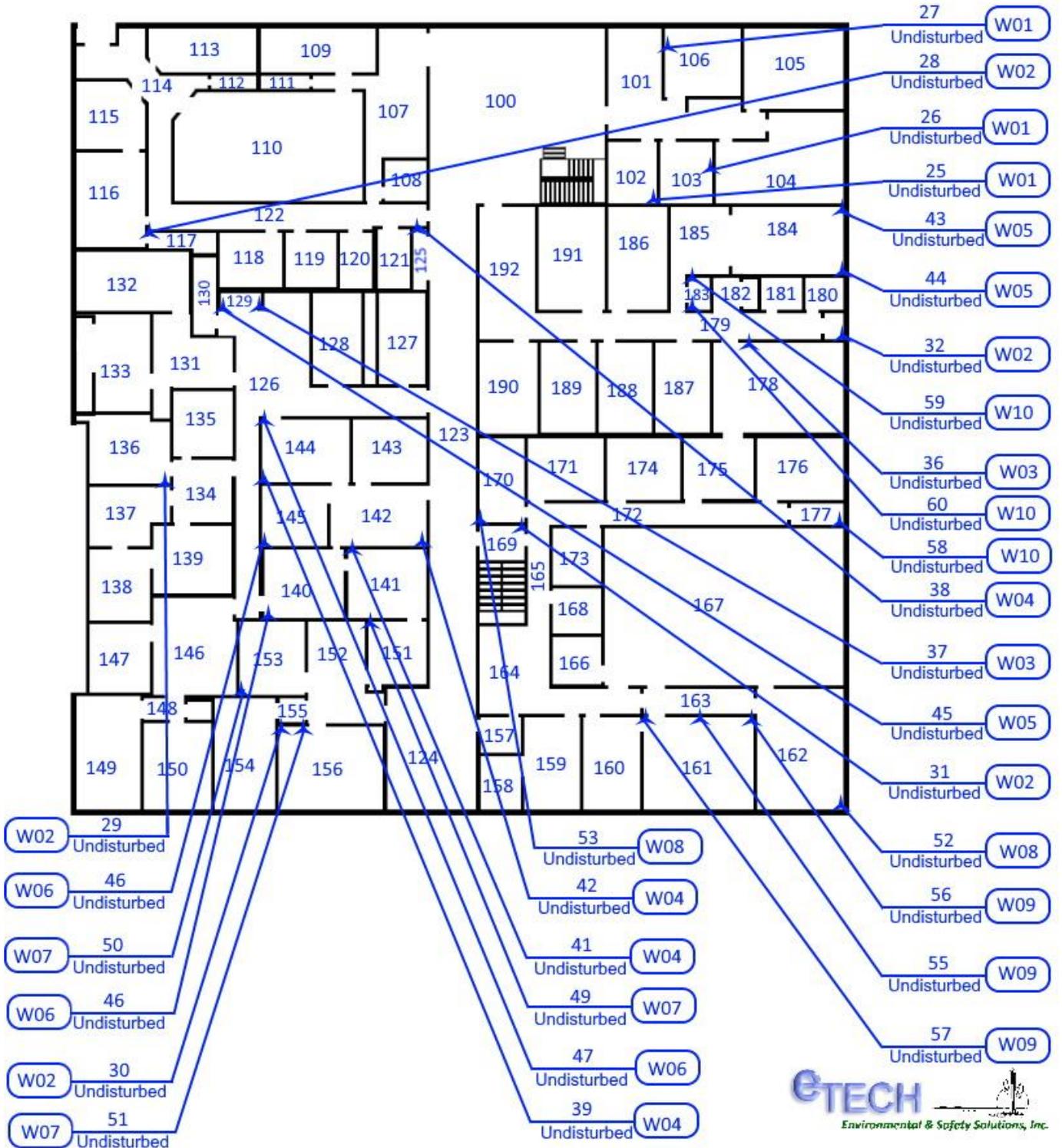
### 301 S. Main Ground Floor Sample Locations - Ceilings



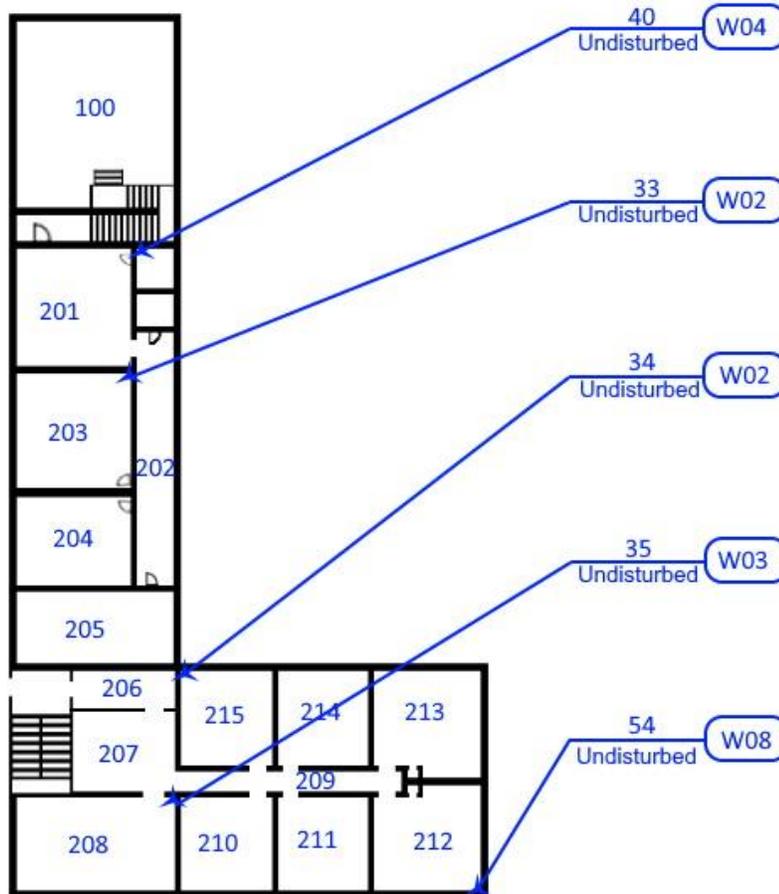
301 S. Main  
2nd Floor  
Sample Locations - Ceilings



### 301 S. Main Ground Floor Sample Locations - Walls



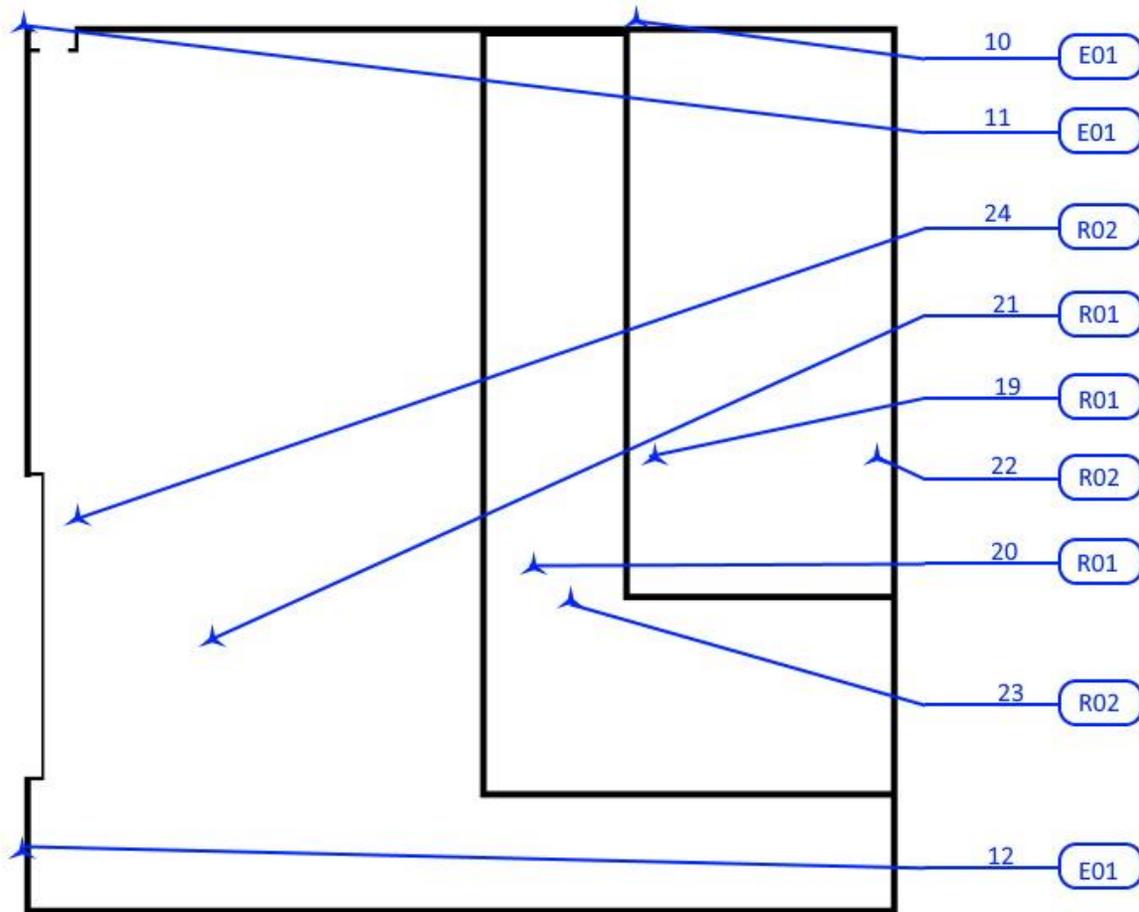
301 S. Main  
2nd Floor  
Sample Locations - Walls



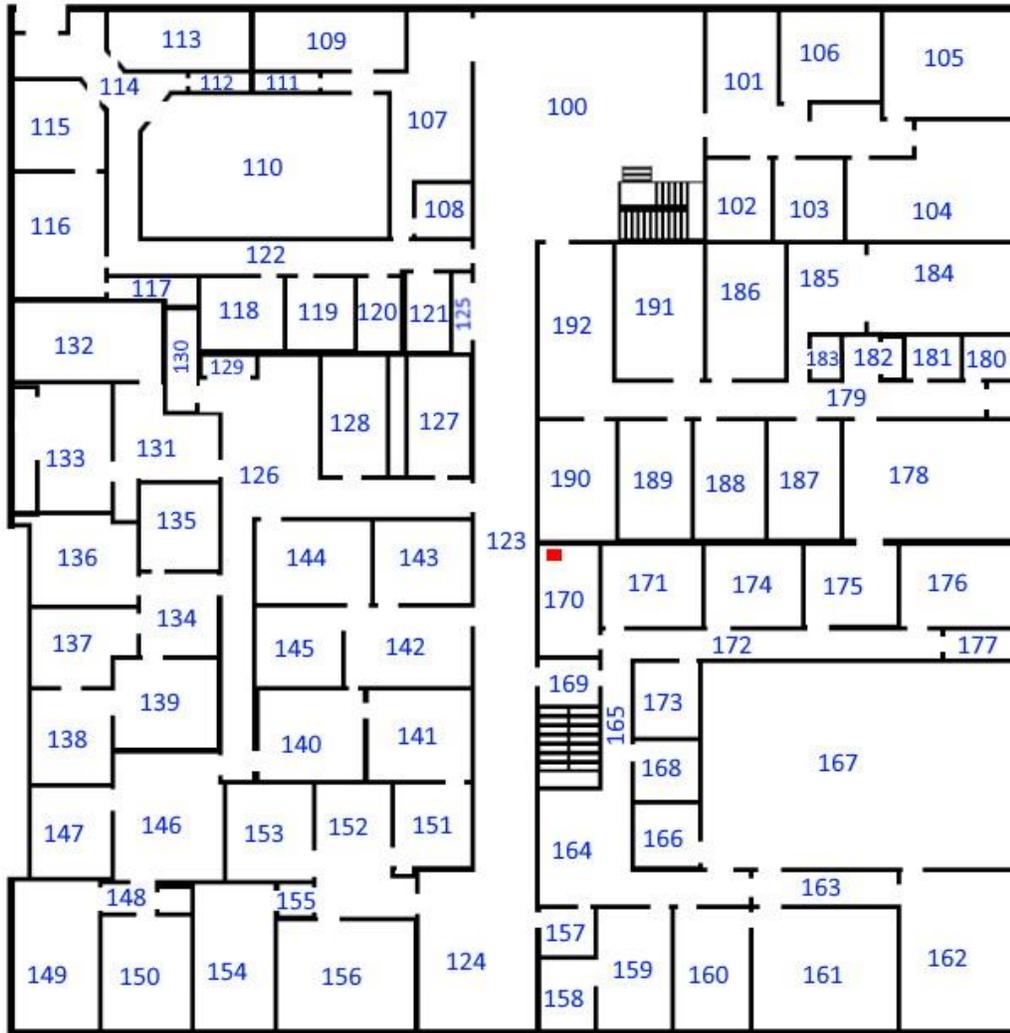
### 301 S. Main Ground Floor Sample Locations - Floors & Insulation



### 301 S. Main Exterior Sample Locations - Exterior & Roofing



301 S. Main  
Ground Floor  
ACM Sink Undercoating



301 S. Main  
Exterior  
ACM Roof Flashing



Asbestos Inspection  
301 S. Main  
Midland, TX

Midland County  
P.O. Box 421  
Midland, TX

## **E-Tech Licenses**



Texas Department of State Health Services

ETECH ENVIRONMENTAL & SAFTEY SOLUTIONS INC

*is certified to perform as an*

Asbestos Consultant Agency

*in the State of Texas and is hereby governed by the rights, privileges and responsibilities set forth in Texas Occupations Code, Chapter 1954 and Title 12, Texas Administrative Code, Chapter 295 relating to Texas Asbestos Health Protection, as long as this license is not suspended or revoked.*



*License Number: 100507*

*Expiration Date: 02/25/2022*

*Control Number: 97256*

  
*John Hellerstedt, M.D.,  
Commissioner of Health*

*(Void After Expiration Date)*

VOID IF ALTERED NON-TRANSFERABLE

SEE BACK



**Texas Department of  
State Health Services**

**Asbestos Individual Consultant**

**RONNY J MATTE**

**License No. 105771**

**Control No. 97669**

**Expiration Date: 13-Feb-2022**



GEBCO Associates certifies that  
**Brandon P. Smitherman**  
 464-55-1649



has successfully completed the Texas Department of State Health Services approved course entitled:  
**ASBESTOS CONTRACTOR/SUPERVISOR REFRESHER**

Date of Issue: 08/06/2019 Certificate No: 19243  
 Certificate expires one year from date of issue.

Course schedule anytime @ [www.gebco.org](http://www.gebco.org)

GEBCO Associates, LP  
 815 Trailwood Dr, Suite 200 Phone: 817-268-4006  
 Hurst, TX 76053 Fax: Fax: 817-282-9886




**Texas Department of State Health Services**

Asbestos Project Manager

**BRANDON P SMITHERMAN**  
 License No. 501390  
 Control No. 98154  
 Expiration Date: 11-Mar-2021



GEBCO Associates certifies that  
**Brandon P. Smitherman**  
 464-55-1649



has successfully completed the Texas Department of State Health Services approved course entitled:  
**ASBESTOS AIR MONITORING TECHNICIAN REFRESHER**

Date of Issue: 08/09/2019 Certificate No: 19184  
 Certificate expires one year from date of issue.

Course schedule anytime @ [www.gebco.org](http://www.gebco.org)

GEBCO Associates, LP  
 815 Trailwood Dr, Suite 200 Phone: 817-268-4006  
 Hurst, TX 76053 Fax: Fax: 817-282-9886




**Texas Department of State Health Services**

Asbestos Air Monitoring Technician

**BRANDON P SMITHERMAN**  
 License No. 706532  
 Control No. 98317  
 Expiration Date: 11-Mar-2021



GEBCO Associates certifies that  
**Brandon P. Smitherman**  
 464-55-1649



has successfully completed the Texas Department of State Health Services approved course entitled:  
**ASBESTOS INSPECTOR REFRESHER**

Date of Issue: 08/07/2019 Certificate No: 19227  
 Certificate expires one year from date of issue.

Course schedule anytime @ [www.gebco.org](http://www.gebco.org)

GEBCO Associates, LP  
 815 Trailwood Dr, Suite 200 Phone: 817-268-4006  
 Hurst, TX 76053 Fax: Fax: 817-282-9886




**Texas Department of State Health Services**

Asbestos Inspector

**BRANDON P SMITHERMAN**  
 License No. 603048  
 Control No. 99093  
 Expiration Date: 9/1/2020



GEBCO Associates certifies that  
**Jimmy W. McNeil, Jr.**  
 459-19-8382



has successfully completed the Texas Department of State Health Services approved course entitled:  
**ASBESTOS CONTRACTOR/SUPERVISOR REFRESHER**

Date of Issue: 08/12/2019 Certificate No: 19271  
 Certificate expires one year from date of issue.

Course schedule anytime @ [www.gebco.org](http://www.gebco.org)

GEBCO Associates, LP  
 815 Trailwood Dr, Suite 200 Phone: 817-268-4006  
 Hurst, TX 76053 Fax: Fax: 817-262-9888




**Texas Department of State Health Services**

**Asbestos Project Manager**

**JIMMY W MCNEIL JR**

License No. **500901**  
 Control No. **98391**  
 Expiration Date: **30-Jan-2022**



GEBCO Associates certifies that  
**Jimmy W. McNeil, Jr.**  
 459-19-8382



has successfully completed the Texas Department of State Health Services approved course entitled:  
**ASBESTOS AIR MONITORING TECHNICIAN REFRESHER**

Date of Issue: 08/13/2019 Certificate No: 19200  
 Certificate expires one year from date of issue.

Course schedule anytime @ [www.gebco.org](http://www.gebco.org)

GEBCO Associates, LP  
 815 Trailwood Dr, Suite 200 Phone: 817-268-4006  
 Hurst, TX 76053 Fax: Fax: 817-262-9888




**Texas Department of State Health Services**

**Asbestos Air Monitoring Technician**

**JIMMY W MCNEIL JR**

License No. **706031**  
 Control No. **98598**  
 Expiration Date: **3-Mar-2022**



GEBCO Associates certifies that  
**Jimmy W. McNeil, Jr.**  
 459-19-8382



has successfully completed the Texas Department of State Health Services approved course entitled:  
**ASBESTOS INSPECTOR REFRESHER**

Date of Issue: 08/14/2019 Certificate No: 19259  
 Certificate expires one year from date of issue.

Course schedule anytime @ [www.gebco.org](http://www.gebco.org)

GEBCO Associates, LP  
 815 Trailwood Dr, Suite 200 Phone: 817-268-4006  
 Hurst, TX 76053 Fax: Fax: 817-262-9888




**Texas Department of State Health Services**

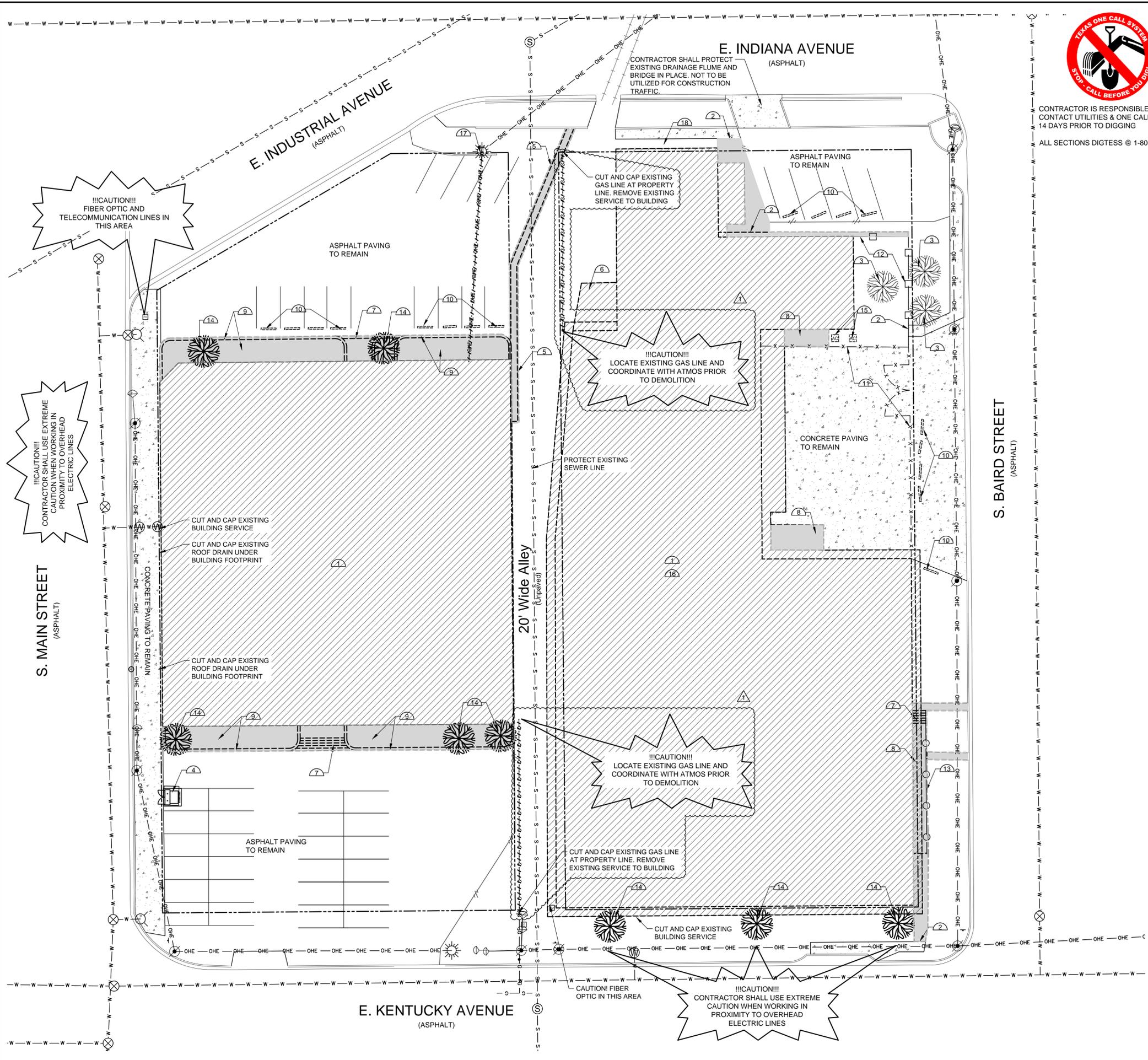
**Asbestos Inspector**

**JIMMY W MCNEIL JR**

License No. **602130**  
 Control No. **99432**  
 Expiration Date: **28-Aug-2021**



\\DATA1\PROJECTS\2022\40601\_22\03\_DSGN01\_DWG\050\_CIVIL\001\_SHEETS\CD101-40601.DWG, 2/23/2023 3:40:05 PM, skfman



CONTRACTOR IS RESPONSIBLE TO CONTACT UTILITIES & ONE CALL SYSTEM 14 DAYS PRIOR TO DIGGING

ALL SECTIONS DIGTESS @ 1-800-344-8377



Know what's below. Call before you dig.

CONTRACTOR WILL FILE NESHAP DEMOLITION NOTIFICATION IN COMPLIANCE WITH TEXAS DSHS NESHAP NOTIFICATIONS. THAT NOTIFICATION CAN BE FILED ELECTRONICALLY WITH THE FOLLOWING LINK: <https://www.dshs.texas.gov/asbestos-program/notifications-asbestos-program>

DISPOSAL OF MATERIALS AND DEBRIS ASSOCIATED WITH DEMOLITION OF THIS FACILITY WILL BE IN COMPLIANCE WITH 30 TAC, CHAPTER 330 MSW RULES, LIMITATIONS AND ACCEPTANCE.

DEMOLITION NOTES

- A. THE EXISTING UTILITIES, ABOVE GROUND AND UNDER GROUND, INDICATED ON THESE PLANS HAVE BEEN LOCATED FROM REFERENCE INFORMATION SUPPLIED BY OTHERS. VERIFY, BOTH HORIZONTALLY AND VERTICALLY, THE LOCATIONS OF ALL EXISTING UTILITIES, APPURTENANCES, OR OTHER FEATURES, PRIOR TO CONSTRUCTION. TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ALL EXISTING UTILITIES, APPURTENANCES, AND ANY OTHER FEATURES ENCOUNTERED, AND NOTIFY THE ENGINEER PROMPTLY OF ANY CONFLICTS WITH THE WORK.
B. CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE ONE CALL SYSTEM (811) PRIOR TO CONSTRUCTION.
C. HAUL AWAY AND PROPERLY DISPOSE OF ALL MATERIAL REMOVED/DEMOLISHED FROM THE SITE IN ACCORDANCE WITH CITY, STATE, AND NATIONAL REQUIREMENTS.
D. CONTRACTOR IS RESPONSIBLE FOR ALL MISCELLANEOUS REPAIRS DUE TO DEMOLITION DAMAGE, AT OWN EXPENSE.
E. ALL STREET SIGNS WILL REMAIN UNLESS OTHERWISE NOTED. COORDINATE WITH APPROPRIATE UTILITY OWNER OR THE CITY OF MIDLAND PRIOR TO REMOVING, RELOCATING, CONNECTING TO, OR DISCONNECTING ANY UTILITIES.
G. ALL POWER POLES TO BE PROTECTED DURING DEMOLITION AND TO REMAIN UNLESS OTHERWISE NOTED.
H. DISCONNECT AND CAP ALL UTILITY SERVICES TO EXISTING BUILDINGS.
I. PARKING, GROUND LEVEL PAVING AND SIDEWALK TO REMAIN.
J. RETURN SITE TO EVEN GRADE PER BACKFILL SPECIFICATIONS.
K. PRIOR TO PERFORMING ANY WORK WHICH MAY OBSTRUCT OR IMPEDE THE NORMAL FLOW OF TRAFFIC (INCLUDING PEDESTRIAN TRAFFIC) WITHIN THE CITY RIGHT-OF-WAY, A TRAFFIC CONTROL PLAN SHALL BE PROVIDED BY THE CONTRACTOR IN ACCORDANCE WITH THE CURRENT EDITION OF THE 'TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES' (TMUTCD). CONTRACTOR REQUIRED TO SUBMIT TRAFFIC CONTROL PLAN TO THE CITY OF MIDLAND FOR REVIEW AND APPROVAL.
L. CONTRACTOR SHALL NOT UNLOAD OR STORE MATERIALS, PERMIT WORKERS TO PARK, NOR PARK EQUIPMENT WITHIN THE STREET RIGHT-OF-WAY WHERE STREET IS OPEN TO PUBLIC TRAVEL WITHOUT PRIOR APPROVAL OF THE CITY OF MIDLAND.
M. CONTRACTOR IS RESPONSIBLE FOR PREPARING CONSTRUCTION SAFETY PLAN.
N. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING 36" CLEARANCE AROUND FIRE HYDRANTS AT ALL TIMES THROUGHOUT DEMOLITION ACTIVITIES.
O. POWER UTILITY DISCONNECT IS THE RESPONSIBILITY OF THE OWNER. DEMOLITION PERMITTING THROUGH THE CITY AND/OR MUNICIPALITY IS THE RESPONSIBILITY OF THE GC INCLUDING ANY PLUMBING, WATER, OR UTILITY OTHER THAN POWER.
Q. CONTRACTOR RESPONSIBLE FOR SUFFICIENT BACK FILL TO PROVIDE SUFFICIENT 1 YEAR NO PONDING GUARANTEE ON SITE.
R. CONTRACTOR NOT RESPONSIBLE FOR STRUCTURAL SITE AND/OR DIRT WORK IN PREPARATION FOR FUTURE USE UNLESS OTHERWISE INSTRUCTED THROUGH MUNICIPAL REPRESENTATIVE IN WRITING WITH SPECIFICATION.

DEMOLITION KEY NOTES

- REMOVE EXISTING CONSTRUCTION AS INDICATED BY: (00)
1. DEMOLISH AND COMPLETELY REMOVE EXISTING BUILDING AND ALL APPURTENANCES, INCLUDING FOUNDATION
2. SAWCUT AND REMOVE TO NEXT JOINT. MAINTAIN A NEAT VERTICAL FACE
3. EXISTING TREES TO REMAIN - NOTIFY ENGINEER OF ANY CONFLICTS THAT MAY CAUSE DAMAGE TO TREE OR ROOT SYSTEM DURING DEMOLITION
4. EXISTING TRANSFORMER TO REMAIN AND BE PROTECTED - COORDINATE DECOMMISSION WITH ONCOR
5. REMOVE EXISTING CONCRETE CURB
6. REMOVE EXISTING LOADING DOCK
7. REMOVE EXISTING CONCRETE STAIRS
8. REMOVE EXISTING CONCRETE STAIRS
9. REMOVE EXISTING CONCRETE RAMP
10. REMOVE EXISTING CONCRETE RETAINING WALL AND PLANTER BEDS
11. REMOVE EXISTING PARKING BLOCKS
12. REMOVE EXISTING CHANLINK FENCE
13. REMOVE EXISTING WOODEN FENCE
14. REMOVE EXISTING HAND RAIL
15. REMOVE EXISTING AIR CONDITIONING UNITS
16. EXISTING BASEMENT TO BE REMOVED AND BACKFILLED PER CITY REQUIREMENTS
17. LIGHT POLE TO REMAIN
18. REMOVE BUSHES AND SHRUBS IN PLANTER

LEGEND

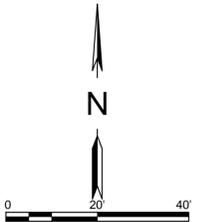
- PROPERTY LINE
-OHE- OVERHEAD ELECTRIC LINE TO REMAIN
-OHE- REMOVE OVERHEAD ELECTRIC LINE
[Diagonal Hatching] DEMOLISH EXISTING BUILDING
[Stippled] DEMOLISH EXISTING CONCRETE OR HARD SURFACE IN THIS AREA
[White Box] EXISTING SIDEWALK AND CONCRETE PAVING TO REMAIN
[Circle with X] APPROXIMATE LOCATION OF EXISTING GAS LINE AND MARKER

Parkhill



Parkhill.com

Main and Baird Demolition Site Improvements



CLIENT: Midland County, TX
500 North Loraine
Midland, Texas 79701

PROJECT NO: 40601.22

Table with 2 columns: DATE and DESCRIPTION. Row 1: 03/23/2023, Addm-002. Row 2: 03/01/2023, Issue for Bid.

Demolition Plan CD101