

RED

Asbestos and Lead Identification Survey

**Proposed Chick-fil-A Restaurant No. 4003
Main & Almond FSU
202 South Main Street
Orange, California**

Prepared for:

**Chick-fil-A, Inc.
Irvine, California**

**May 24, 2017
Project No. 2E-1610014**



GILES
ENGINEERING ASSOCIATES, INC.



GILES

ENGINEERING ASSOCIATES, INC.

GEOTECHNICAL, ENVIRONMENTAL & CONSTRUCTION MATERIALS CONSULTANTS

• Atlanta, GA
• Baltimore, MD
• Dallas, TX
• Los Angeles, CA
• Manassas, VA
• Milwaukee, WI

May 24, 2017

Chick-fil-A, Inc.
15635 Alton Parkway
Suite 350
Irvine, California 92618-7333

Attention: Ms. Beth Witt
Development Coordinator

Subject: Asbestos and Lead Identification Survey
Proposed Chick-fil-A Restaurant No. 4003
Main & Almond FSU
202 South Main Street
Orange, California
Project No. 2E-1610014

Dear Ms. Witt:

In accordance with your request and authorization, an Asbestos and Lead Identification Survey was performed by our sub-consultant at the vacant restaurant located at 202 South Main Street, in the City of Orange, California. The conclusions and recommendations developed from the survey are discussed in the accompanying report.

A total of thirty four samples of mastic, ceiling tile, sheetrock panel, plaster, acoustic overspray, sheetrock-joint compound, glue, grout, mortar, concrete, and roofing material were collected from the building on the property on May 10, 2017 for possible asbestos containing materials. Asbestos was identified in the following materials on the subject property:

- The gray-black mastic on the exterior main & lower flat roofs, roof penetrations, various areas
- The gray-black mastic on the main roof, north end, west & east, HVAC units, patches & repairs, various areas

An X-ray fluorescence meter (XRF) was used to assess the building for the presence of lead-based paint and lead-glazed ceramic tile. The California Public Health Department (formally DHS) regulates and requires the abatement or in-place management of lead based paint hazards equal to or greater than 1.0 milligram per square centimeter (1.0 mg/cm²) of lead by XRF Analysis.

No lead-based paint or lead-glazed ceramic tile was identified (above 1.0 mg/cm²) in the collected samples. However, based on the lead sample results, the Multi-Colored Paint surfaces were found to contain lead containing materials (LCM) levels above the OSHA Limit of Detection.



Based on the findings and conclusions of this Asbestos and Lead Paint Survey, asbestos containing materials and LCM levels above the OSHA Limit of Detection have been identified on the subject property.

- Prior to any work that would disturb these asbestos containing materials, they need to be removed by a licensed asbestos abatement contractor, and a California certified asbestos consultant must be used to perform abatement project planning, monitoring, oversight, and reporting.
- Prior to any work that would disturb the LCM levels reported above the OSHA Limit of Detection, it is recommended that Lead Certified Workers certified by The California Department of Public Health or/a EPA certified Renovator, Repair and Painting (RRP) designation, conduct in-place management work of the LCM surfaces scheduled for demolition to stabilize the current lead conditions.

RED

Report indicates asbestos containing materials and LCM levels above the OSHA Limit of Detection were identified.

We appreciate the opportunity to be of service on this project. If you have any questions or we may be of further assistance, feel free to call the undersigned at your convenience.

Very Truly Yours,

GILES ENGINEERING ASSOCIATES, INC.



Monica L. Sell
Staff Engineer I



Steven C. Thuemling
Corporate Manager- Phase I Services

Distribution: Chick-fil-A, Inc.

Attn: Ms. Beth Witt (e-mail: Beth.Witt@cfacorp.com)

Attn: Ms. Jennifer Daw (e-mail: Jennifer.Daw@cfacorp.com)

Attn: Ms. Sharon Phelps (e-mail: Sharon.Phelps@cfacorp.com)

Attn: Mr. Leslie Clay (e-mail: Leslie.Clay@cfacorp.com, 1 Via Buzzsaw)

Attachments: National Analytical Laboratories, Asbestos and Lead Building Inspection/Survey

**Asbestos and Lead Building
Inspection/Survey**

**Future Chick Fil A
202 South Main Street
Orange, CA 92868**

Presented to:

Monica Sell

*Giles Engineering Associates, Inc.
1965 N. Main Street
Orange, CA 92865*

Inspection Date:

May 10, 2017

Conducted by:

*Anthony M. De Arcos
Certified Asbestos Consultant
Certified Lead Inspector/Assessor
Registered Environmental Property Assessor*

National Analytical Laboratories, Inc.
2201 Francisco Dr., Ste. 140-261
El Dorado Hills, CA 95762
Office: (916) 361-0555 | Fax: (916) 361-0540
E-Mail: NAL1@NAL1.com | Web Page: www.NAL1.com



May 15, 2017

Monica Sell
Giles Engineering Associates, Inc.
1965 N. Main Street
Orange, CA 92865

RE: **Asbestos and Lead Building Inspection/Survey – Demolition Project**
Future Chick Fil A
202 South Main Street
Orange, CA 92868

Dear Ms. Sell,

The following report is in regards to the building inspection conducted at the above address. **Of the thirty four (34) suspected asbestos containing samples collected, two (2) were found to contain asbestos containing construction materials (ACCM). Of the thirty-three (33) Portable X-ray Fluorescent (XRF) lead shots collected at the site, combined into nine (9) suspected lead containing areas tested, two (2) were found to contain Lead Containing Material (LCM).** Although the property was constructed in the early 1960's, the interior of property was fully gutted and renovated in 2007. Anthony M. De Arcos, Certified Asbestos Consultant, Certified Lead Inspector/Assessor, and Registered Environmental Property Assessor, for National Analytical Laboratories, Inc. (N.A.L.), conducted the inspection on May 10, 2017.

SUMMARY OF FINDINGS -

Based on the asbestos sample results, the Gray-Black Mastic (~225 sf), Main and Lower Roofs, were found to contain ACCM. All square footage should be verified by contractor.

Based on the lead sample results, the Multi-Colored Paint surfaces were found to contain LCM levels above the OSHA Limit of Detection.

SECTION I: ASBESTOS INSPECTION -

The inspection was completed according to the EPA's Asbestos Containing Building Materials (ACBM) In-Schools Rule; 40 CFR 763.85 (Inspection and Re-Inspection). Currently, EPA regulations classify ACBM as materials containing more than 1-percent (1%) of asbestos. Cal-OSHA currently regulates asbestos to 1/10th of 1% (0.1%) and requires that a certified asbestos worker conduct this work.

Upon completion of the visual inspection, the suspect asbestos bulk sample materials were collected in accordance with EPA and OSHA protocol. They were placed into new, air tight,

Breathe easy.....

Asbestos and Lead Building Inspection/Survey

Future Chick Fil A

202 South Main Street, Orange, CA

May 15, 2017

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plastic bags, sealed, and identified with unique identification numbers. The bulk samples were transported to the laboratory under chain of custody protocol for analysis.

Destructive sampling was conducted during the site visit, as the building is scheduled for demolition. If during the demolition work reveals any unforeseen suspect materials; the contractor shall stop work and contact the project manager for further testing.

MicroTest Laboratories, Inc. located in Fair Oaks, California analyzed the bulk suspect asbestos containing samples utilizing Polarized Light Microscopy (PLM) Method. National Voluntary Laboratory Accreditation Program (NVLAP) Certification #200999-0 certifies MicroTest Laboratories, Inc.

Although not all the rooms or materials throughout the site were sampled, the like materials that were not tested will be treated as homogeneous to the materials that were tested, and will be considered as containing ACCM or non-ACCM in accordance to the results.

The location and results of suspect samples *found to contain ACCM* are as follows:

Sample ID #	Material Description	Sample Location	Category	Results
202-30	Gray-Black Mastic	Exterior Main & Lower Flat Roofs, Roof Penetrations, Various Areas	I	3% Chrysotile
202-31	Gray-Black Mastic	Main Roof, North End, West & East, HVAC Units, Patches & Repairs, Various Areas	I	3% Chrysotile

sf = Square Feet; Category I & II are non-friable/non-hazardous materials

The Gray-Black Mastic is considered Category I, non-friable/non-hazardous material, which can be removed and disposed of at a non-hazardous waste facility.

The following samples were *non-asbestos containing materials*:

Sample ID #	Material Description	Sample Location	Results
202-1	Seam Tape/Gray Mastic	Lower South & Main Roofs, HVAC Round Ducts (-80 sf)	None Detected
202-2	2'x4' Pin Hole-Tiny Fissure Acoustical Ceiling Tile	Kitchen, South End, North Locker Room (-16 sf)	None Detected
202-3	2'x4' Sheetrock Panel	Kitchen & Southwest Storage Room (-600 sf)	None Detected
202-4	Plaster	Kitchen, North Storage Room, North Wall, East End (-4,300 sf)	None Detected
202-5	Plaster	Kitchen, North Storage Room, North Wall, Center	None Detected
202-6	Plaster	Kitchen, North Storage Room, North Wall, West End	None Detected
202-7	Plaster	Kitchen, North Storage Room, West Restroom, East Wall,	None Detected



Asbestos and Lead Building Inspection/Survey**Future Chick Fil A**

202 South Main Street, Orange, CA

May 15, 2017

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Sample ID #	Material Description	Sample Location	Results
202-8	Plaster	Kitchen, South Storage-Locker Room, North Wall	None Detected
202-9	Sprayed-on Acoustic Overspray	2 nd Floor, Pink Room, Attic Truss' Above Access Panel (-15 sf)	None Detected
202-10	Sheetrock-Joint Compound	Southeast Dining Room, Northwest Outside Corner	None Detected
202-11	Sheetrock-Joint Compound	Northwest Exit Corridor, South Wall	None Detected
202-12	Sheetrock-Joint Compound	Women's Restroom, North Stall, Ceiling Above Door (water damage)	None Detected
202-13	Sheetrock-Joint Compound	Kitchen, South Center Room, Outside Corner	None Detected
202-14	Sheetrock-Joint Compound	2 nd Floor, Pink Room, Bar Area, Outside Corner	None Detected
202-15	Sheetrock-Joint Compound	Lower Banquet Room, Northeast Seating Area, Soffit Ceiling	None Detected
202-16	Carpet Yellow-Black Mastic	South Waiting Room, Southeast Corner	None Detected
202-17	1/2"x6" Wood Plank Floors Yellow-Black Mastic	Interior 1st Floor, South End	None Detected
202-18	Carpet Yellow Glue	Northwest Exit Corridor	None Detected
202-19	FRP Tan Mastic	Kitchen, Storage & Restrooms	None Detected
202-20	24" Tan Ceramic Tile Grout	Northeast Dining Room, Concrete Floor	None Detected
202-21	6" Red Ceramic Tile Grout	Kitchen, Storage & Restroom Floors	None Detected
202-22	Ceramic Tile Mortar	Men & Women Restrooms, Wall & Floor	None Detected
202-23	6" Red Ceramic Tile Mortar	Kitchen, Storage & Restrooms	None Detected
202-24	24" Tan Ceramic Tile Mortar	Northeast Dining Room	None Detected
202-25	Mortar	Exterior South Brick & Decorative Rock	None Detected
202-26	Concrete	Main Building, 1 st & Lower Floors, 5 Hit Composite	None Detected
202-27	Built-Up Brown Roofing	Exterior Lower Flat Roofs (~640 sf)	None Detected
202-28	Grout	Men & Women Restrooms, Wall & Floor	None Detected
202-29A	Brown Composition Roof Shingle	Main Truss' Roof, Northwest Corner, Top Layer	None Detected
202-29B	Black Roof Felt	Main Truss' Roof, Northwest Corner, 2 nd Layer	None Detected
202-29C	Brown Composition Roof Shingle	Main Truss' Roof, Northwest Corner, 3 rd Layer	None Detected
202-29D	Black Roof Felt	Main Truss' Roof, Northwest Corner, Bottom Layer	None Detected

sf = Square Feet



ASBESTOS RECOMMENDATION –

Federal and state regulations require that anyone disturbing asbestos containing materials are properly trained certified and have the required respiratory protection and medical surveillance.

On-Site Observation should be conducted by N.A.L.'s Certified Asbestos Consultant or Certified Site Surveillance Technician to verify that the work plan/specification is being followed. Once a certified asbestos contractor has removed the ACCM, following EPA and OSHA requirements; at the minimum a visual inspection should be completed at the site prior to the demolition of the building. The clearance will confirm that the general contractor can reoccupy the work area(s), without concern for exposure to asbestos airborne fibers to their employees thus allowing the demolition work to be completed by the general contractor.

SECTION II: LEAD INSPECTION -

The lead suspect samples were collected according to the Housing Urban Development (HUD) Guidelines, the Environmental Protection Agency (EPA) and California Public Health Department (formally DHS), who regulate and require the abatement or in-place management of LBP hazards equal to or greater than 1.0 milligram per square centimeter (1.0 mg/cm²) of lead by XRF Analysis or more than 0.5% lead by weight by laboratory flame atomic absorption. The following regulation shall be adhered to because OSHA considers all surfaces to contain lead: OSHA's 29 CFR 1926.62, California Occupational Safety and Health Standard, Title 8 (Cal/OSHA 8 CCR 1532.1).

Upon completion of the visual inspection, suspect painted finishes and/or materials were sampled for potential lead content, in accordance with EPA and OSHA protocol. They were labeled with a unique identification number and analyzed.

Justin S. Gardner, utilizing the Thermo Scientific Portable X-ray Fluorescent (XRF) analyzer, analyzed the lead samples. When a sample is measured using XRF, each element present in the sample emits its own unique fluorescent x-ray energy spectrum. By simultaneously measuring the fluorescent x-rays emitted by the different elements in the sample, we can rapidly determine the presence of lead in the sample.

Although not all the rooms or materials (non-suspect) were sampled, the like materials that were not tested and their results will be treated as homogeneous and the materials will be treated as containing LCM throughout the site.



Asbestos and Lead Building Inspection/Survey**Future Chick Fil A**

202 South Main Street, Orange, CA

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The locations and results of the suspect samples *found to be LCM* are as follows:

Sample ID #	Material Description	Sample Location Component	XRF #'s	Mg/cm ²
202-8L	Multi-Colored Paint	Exterior Window Trim, Various Areas	24-29	0.5 LBP
202-9L	Multi-Colored Paint	Exterior Wood Siding, Rafter Tails & Overhangs, Various Areas	30-35	0.24 LCM

Prior to the demolition work being completed and/or the transporting of the debris from the site, Health and Safety Code 25157.8 (AB 2784 National Resources) requires that all lead debris be sampled for Waste Characterization. This will assist the Contractor in making a determination of whether or not the material is to be considered Hazardous or Non-Hazardous Lead waste or general construction debris. The sequence of testing to be completed by the Contractor is as follows:

- i Total Threshold Limit concentration (TTLC) with a result of 50 mg/kg or more but less than 1,000 mg/kg of lead must be retested using the Soluble Threshold Limit concentration (STLC) method;
- i A STLC result of 5.0 mg/L or greater is considered California Hazardous Waste;
- i Total Characteristic Leaching Procedure (TCLP) testing shall only be accomplished when approved by the Owners Representative; This procedure shall be generally reserved for out-of-state shipments; and A TCLP result of 5.0 mg/L or more deems the waste Federal RCRA materials; and
- i The California hazardous waste threshold for total lead using STLC is 5 mg/L and
- i Lead paint that is intact on a surface does not permit the material to be classed as non-hazardous. Waste profiling shall be accomplished if the paint contains more than 350 ppm by Flame AAS. Exception: Metals that are coated with paint are to be recycled.

The following painted surfaces were *found to be less than (<) the OSHA's Limit of Detection*:

Sample ID #	Material Description	Sample Location/Component	XRF #'s	Mg/cm ²
202-1L	Brown-White Paint	Interior Door Components, Various Areas	3-5	<0.02
202-2L	White-Brown Paint	Interior Trim & Baseboard, Various Areas	6-8	<0.02
202-3L	Tan-White Paint	Interior Sheetrock Walls	9-11	<0.02
202-4L	Brown Paint	Northeast Dining & Entry East Wall	12-14	<0.02
202-5L	6" Red Ceramic Tile	Kitchen Floors, Over Concrete	15-17	<0.02
202-6L	24" Tan Ceramic Tile	Northeast Dining Floor	18-20	<0.02
202-7L	6" Tan Cove Base Ceramic Tile	Men's, Women's & Kitchen Walls	21-23	<0.04



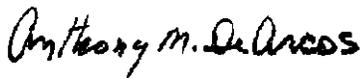
LEAD RECOMMENDATION -

In order to stabilize the current lead conditions, N.A.L. recommends Lead Certified Workers certified by The California Department of Public Health or/a EPA certified Renovator, Repair and Painting (RRP) designation, conduct in-place management work of the LCM surfaces scheduled for demolition. The Contractor shall be required to abate/remove all loose and flaky LBM debris from the building by bagging or burrito wrapping loose flaky paint, prior to the removal of the debris from the work area(s), and subsequently the site.

Once the abatement, in-place management, and/or prep work is completed and the areas are stabilized, the existing surfaces will be in good condition and not create a health or safety concern to the workers conducting the general construction work at the site. A Scope of Work, and/or specifications, should be utilized to conduct the lead work at the site.

Included at the end of this report are site photographs, laboratory analytical results, chain of custody forms, and asbestos sample location map. If you have any questions regarding this report or if we can be of further assistance, please contact our office.

Reviewed and submitted by:



Anthony M. De Arcos
Certified Asbestos Consultant
DOSH #92-0261
Certified Lead Inspector/Assessor
CDPH #2406
Registered Environmental Property Assessor
REPA #938322039





Photograph # 1	202 South Main Street, Orange	
Date of Inspection:	May 10, 2017	
Subject:		



Photograph # 2	202 South Main Street, Orange	
Date of Inspection:	May 10, 2017	
Subject:		





Photograph # 3	202 South Main Street, Orange	
Date of Inspection:	May 10, 2017	
Subject:		



Photograph # 4	202 South Main Street, Orange	
Date of Inspection:	May 10, 2017	
Subject:		



MicroTest™ Laboratories, Inc.
NVLAP Lab Code 200999-0
5150 Sunrise Blvd, Suite B-1 Fair Oaks, CA 95628
Phone (916) 567-9808 or (800) 713-3334
microtestlabsinc@yahoo.com

Client: NAL 2201 Francisco Drive, Suite 140-2611 El Dorado Hills, CA 95762	Contact Name: Anthony De Arcos Contact Name: Paula Lee Sampler: Anthony De Arcos	Accession #: 92145-92178 Analyst: N. Ponce
Project: Future Chick Fil A: 202 South Main Street Orange, CA 92868	Sampling Date: 05/10/2017 Receipt Date: 05/12/2017 Report Date: 05/12/2017	Samples Received: 34 Samples Analyzed: 34

Polarized Light Microscopy Test Report, EPA/600/R-93/116

Sample ID	Description	Fibrous/Non-Fibrous Material	Asbestiform Minerals
Lower S & Main Roofs 202-1 Lab ID: 92145	Gray Seam Tape/Mastic	Binder 99%	None Detected
Kitchen, S End, N Locker Rm 202-2 Lab ID: 92146	White/Gray Ceiling Tile	Fibrous Glass 50% Binder 50%	None Detected
Kitchen & SW Storage Rm 202-3 Lab ID: 92147	White Sheetrock, Brown Paper, White Paint	Cellulose 20% Binder 80%	None Detected
Kitchen, N Storage Rm, E End 202-4 Lab ID: 92148	White Plaster	Binder 99%	None Detected
Kitchen, N Storage Rm, Center 202-5 Lab ID: 92149	White Plaster	Binder 99%	None Detected
Kitchen, N Storage Rm, W End 202-6 Lab ID: 92150	White Plaster	Binder 99%	None Detected
Kitchen, N Storage Rm, W RR 202-7 Lab ID: 92151	White Plaster	Binder 99%	None Detected
Kitchen, S Storage-Locker Rm 202-8 Lab ID: 92152	White Plaster	Binder 99%	None Detected
2 nd Floor, Pink Room 202-9 Lab ID: 92153	White Acoustic	Binder 99%	None Detected
SE Dining Rm, NW Outside Corner 202-10 Lab ID: 92154 (a)	White Joint Compound	Binder 99%	None Detected
Lab ID: 92154 (b)	Yellow Paint, White Paper, White Sheetrock	Cellulose 10% Binder 90%	None Detected
NW Exit Corridor, S Wall 202-11 Lab ID: 92155 (a)	White Joint Compound	Binder 99%	None Detected
Lab ID: 92155 (b)	Yellow Paint, White Paper, White Sheetrock	Cellulose 20% Binder 80%	None Detected

This constitutes a final report. Due to the limitations of PLM, some samples classified as containing no asbestos in materials such as floor tiles, warrant a recommendation for further analysis by TEM. These results relate only to the items tested. This report shall not be reproduced except in full, without the written approval of the laboratory. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U. S. Government. All samples may be disposed of after 30 days, according to State/federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.

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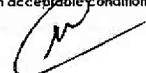
Laboratory Director: *Rebecca Hutto*  Analyst: *A. Nagra* Analyst: *M. Nguyen*

MicroTest™ Laboratories, Inc.
NVLAP Lab Code 200999-0
5150 Sunrise Blvd, Suite B-1 Fair Oaks, CA 95628
Phone (916) 567-9808 or (800) 713-3334
microtestlabsinc@yahoo.com

Polarized Light Microscopy Test Report, EPA/600/R-93/116, Continued

Sample ID	Description	Fibrous/Non-Fibrous Material	Asbestiform Minerals
Women's Restroom, N Stall 202-12 Lab ID: 92156 (a)	White Joint Compound	Binder 99%	None Detected
Lab ID: 92156 (b)	White Paint, White Paper, White Sheetrock	Cellulose 10% Binder 90%	None Detected
Kitchen, S Center Rm, Outside Corner 202-13 Lab ID: 92157 (a)	White Joint Compound	Binder 99%	None Detected
Lab ID: 92157 (b)	Brown Paper, White Sheetrock	Cellulose 10% Binder 90%	None Detected
2 nd Flr., Pink Rm, Bar Area, Outside Corner 202-14 Lab ID: 92158 (a)	White Joint Compound	Binder 99%	None Detected
Lab ID: 92158 (b)	White Paper, White Sheetrock, White Paint	Cellulose 10% Binder 90%	None Detected
Lower Banquet Rm, NE Seating Area 202-15 Lab ID: 92159 (a)	White Joint Compound	Binder 99%	None Detected
Lab ID: 92159 (b)	White Paper, White Sheetrock, White Paint	Cellulose 20% Binder 80%	None Detected
S Waiting Rm, SE Corner 202-16 Lab ID: 92160	Yellow/Black Mastic	Binder 99%	None Detected
Interior 1 st Floor, S End 202-17 Lab ID: 92161	Yellow/Black Mastic	Binder 99%	None Detected
NW Exit Corridor 202-18 Lab ID: 92162	Yellow Glue	Binder 99%	None Detected
Kitchen, Storage & Restrooms 202-19 Lab ID: 92163	Tan Mastic	Binder 99%	None Detected
NE Dining Room, Concrete Floor 202-20 Lab ID: 92164	Brown/Tan Tile Grout	Binder 99%	None Detected
Kitchen, Storage & RR Floors 202-21 Lab ID: 92165	Red/Gray Grout	Binder 99%	None Detected
Men & Women RRs, Wall & Floor 202-22 Lab ID: 92166	Gray Tile Mortar	Binder 99%	None Detected
Kitchen, Storage & Restrooms 202-23 Lab ID: 92167	Red/Gray Tile Mortar	Binder 99%	None Detected

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Laboratory Director: *Rebecca Huty*

Analyst: *A. Nagra*

Analyst: *M. Nguyen*

MicroTest™ Laboratories, Inc.
NVLAP Lab Code 200999-0
5150 Sunrise Blvd, Suite B-1 Fair Oaks, CA 95628
Phone (916) 567-9808 or (800) 713-3334
microtestlabsinc@yahoo.com

Polarized Light Microscopy Test Report, EPA/600/R-93/116, Continued

Sample ID	Description	Fibrous/Non-Fibrous Material	Asbestiform Minerals
NE Dining Room 202-24 Lab ID: 92168	Tan/Gray Tile Mortar	Binder 99%	None Detected
Exterior S Brick & Decorative Rock 202-25 Lab ID: 92169	Gray Mortar	Binder 99%	None Detected
Main Building 202-26 Lab ID: 92170	Gray Concrete	Binder 99%	None Detected
Ext Lower Flat Roofs 202-27 Lab ID: 92171	Black Roofing	Fibrous Glass 10% Binder 90%	None Detected
Men & Women RR 202-28 Lab ID: 92172	Gray Grout	Binder 99%	None Detected
Main Truss' Roof, NW Corner 202-29A Lab ID: 92173	Brown Composition Roofing Shingle	Fibrous Glass 10% Binder 90%	None Detected
Main Truss' Roof, NW Corner 202-29B Lab ID: 92174	Black Roofing Felt	Cellulose 90% Binder 10%	None Detected
Main Truss' Roof, NW Corner 202-29C Lab ID: 92175	Brown/Black Composite Roofing Shingle	Fibrous Glass 10% Binder 90%	None Detected
Main Truss' Roof, NW Corner 202-29D Lab ID: 92176	Black Roofing Felt	Cellulose 90% Binder 10%	None Detected
Ext Main & Lower Flat Roofs 202-30 Lab ID: 92177	Black/Gray Mastic	Binder 97%	3% Chrysotile Asbestos
Main Roof, N End 202-31 Lab ID: 92178	Black/Gray Mastic	Binder 97%	3% Chrysotile Asbestos

This constitutes a final report. Due to the limitations of PLM, some samples classified as containing no asbestos in materials such as floor tiles, warrant a recommendation for further analysis by TEM. These results relate only to the items tested. This report shall not be reproduced except in full, without the written approval of the laboratory. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U. S. Government. All samples may be disposed of after 30 days, according to State/Federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.



Laboratory Director: *Rebecca Huffy*

Analyst: *A. Nagra*

Analyst: *M. Nguyen*



NAL LOG-IN RECORD

Login # 38085

Ph: 916.361.0555 Fx: 916.361.0540

National Analytical Laboratories, Inc.

Job Site/Job #:

Client#-Lot#

1103 / 185

Future Chick Fil A:

Date 5/12/2017

Giles Engineering Associates, Inc.

202 South Main Street

Sampling Date: 5/10/2017

Phone Number

Orange, CA 92868

Sampling Time 10:00:00 AM

FAX Number

Type of Work: PLM-BI

Contact

Monica Sell

No. of Samples 34

E-Mail Address

Turnaround: 6 hours

92145
46
47
48
49
50
51
52
53
54
55
56
57
58
59

Num.	Sample ID#	Location/Description
1	202-1	Lower South & Main Roofs, HVAC Round Ducts (-80 sf) / Seam Tape/Gray Mastic
2	202-2	Kitchen, South End, North Locker Room (-16 sf) / 2'x4' Pin Hole-Tiny Fissure Acoustical Ceiling Tile
3	202-3	Kitchen & Southwest Storage Room (-600 sf) / 2'x4' Sheetrock Panel
4	202-4	Kitchen, North Storage Room, North Wall, East End (-4,300 sf) / Plaster
5	202-5	Kitchen, North Storage Room, North Wall, Center / Plaster
6	202-6	Kitchen, North Storage Room, North Wall, West End / Plaster
7	202-7	Kitchen, North Storage Room, West Restroom, East Wall, / Plaster
8	202-8	Kitchen, South Storage-Locker Room, North Wall / Plaster
9	202-9	2nd Floor, Pink Room, Attic Truss' above Access Panel (-15 sf) / Sprayed-on Acoustic Overspray
10	202-10	Southeast Dining Room, Northwest Outside Corner / Sheetrock-Joint Compound
11	202-11	Northwest Exit Corridor, South Wall / Sheetrock-Joint Compound
12	202-12	Women's Restroom, North Stall, Ceiling Above Door (water damage) / Sheetrock-Joint Compound
13	202-13	Kitchen, South Center Room, Outside Corner / Sheetrock-Joint Compound
14	202-14	2nd Floor, Pink Room, Bar Area, Outside Corner / Sheetrock-Joint Compound
15	202-15	Lower Banquet Room, Northeast Seating Area, Soffit Ceiling / Sheetrock-Joint Compound

Chain of Custody Information

Released By Signature	Date/Time	Received By Signature	Date/Time	Due:
<i>Anthony M. DeArco</i>	05/12/17 1130	<i>Fariba Karbassi</i>	05-12-2017 12:00 AM	
Released By Signature	Date/Time	Received By Signature	Date/Time	At:



NAL LOG-IN RECORD

Login # 38085

Ph: 916.361.0555 Fx: 916.361.0540

National Analytical Laboratories, Inc.

Job Site/Job #:

Client#-Lot# 1103 / 185
 Giles Engineering Associates, Inc.
 Phone Number
 FAX Number
 Contact Monica Sell
 E-Mail Address

Future Chick Fil A:
 202 South Main Street
 Orange, CA 92868

Date 5/12/2017
 Sampling Date: 5/10/2017
 Sampling Time 10:00:00 AM
 Type of Work: PLM-BI
 No. of Samples 34
 Turnaround: 6 hours

92169
 61
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Num.	Sample ID#	Location/Description
16	202-16	South Waiting Room, Southeast Corner / Carpet Yellow-Black Mastic
17	202-17	Interior 1st Floor, South End / 1/2"x6" Wood Plank Floors Yellow-Black Mastic
18	202-18	Northwest Exit Corridor / Carpet Yellow Glue
19	202-19	Kitchen, Storage & Restrooms / FRP Tan Mastic
20	202-20	Northeast Dining Room, Concrete Floor / 24" Tan Ceramic Tile Grout
21	202-21	Kitchen, Storage & Restroom Floors / 6" Red Ceramic Tile Grout
22	202-22	Men & Women Restrooms, Wall & Floor / Ceramic Tile Mortar
23	202-23	Kitchen, Storage & Restrooms / 6" Red Ceramic Tile Mortar
24	202-24	Northeast Dining Room / 24" Tan Ceramic Tile Mortar
25	202-25	Exterior South Brick & Deceptive Rock / Mortar
26	202-26	Main Building, 1st & Lower Floors, 5 Hit Composite / Concrete
27	202-27	Exterior Lower Flat Roofs (-640 sf) / Built-Up Brown Roofing
28	202-28	Men & Women Restrooms, Wall & Floor / Grout
29	202-29A	Main Truss' Roof, Northwest Corner, Top Layer / Brown Composition Roof Shingle
30	202-29B	Main Truss' Roof, Northwest Corner, 2nd Layer / Black Roof Felt
31	202-29C	Main Truss' Roof, Northwest Corner, 3rd Layer / Brown Composition Roof Shingle
32	202-29D	Main Truss' Roof, Northwest Corner, Bottom Layer / Black Roof Felt

Chain of Custody Information

Released By Signature	Date/Time	Received By Signature	Date/Time	Due:
<i>Anthony M. DeArcos</i>	05/12/17 1130	<i>Fariba Karbassi</i>	05.12.2017 12:00 AM	
Released By Signature	Date/Time	Received By Signature	Date/Time	At:



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Date 5/12/2017
 Sampling Date: 5/10/2017
 Sampling Time 10:00:00 AM
 Type of Work: PLM-BI
 No. of Samples 34
 Turnaround: 6 hours

Num.	Sample ID#	Location/Description
33	202-30	Exterior Main & Lower Flat Roofs, Roof Penetrations, Various Areas (-100 sf) / Gray-Black Mastic
34	202-31	Main Roof, North End, West & East, HVAC Units, Patches & Repairs, Various Areas (-125 sf) / Gray-Black Mastic

IF RESULTS ARE LESS THAN 1%, PLEASE 400 POINT COUNT

Chain of Custody Information

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<i>Anthony M. DeArcos</i>	05/12/17 1130	<i>Fariba Karbassi</i>	05.12.2017 12:00PM	
Released By Signature	Date/Time	Received By Signature	Date/Time	At:

92177
78



Incl	Reac	Time	Insp	Site	Room	Color	Substrate	Component	PbC	Units	Durati	Depth Ind
1	2	2017-05-12 15:38	JG	CALIBRATE					1.70 +/- 0.50	mg/cm ²	1.08	1.23
2	3	2017-05-12 15:41	JG	202 S MAIN ST	INTERIOR	BROWN-WHITE	WOOD	DOOR	0.00 +/- 0.02	mg/cm ²	1.07	1.00
3	4	2017-05-12 15:41	JG	202 S MAIN ST	INTERIOR	BROWN-WHITE	WOOD	DOOR	0.00 +/- 0.02	mg/cm ²	1.07	1.00
4	5	2017-05-12 15:41	JG	202 S MAIN ST	INTERIOR	BROWN-WHITE	WOOD	DOOR	0.00 +/- 0.02	mg/cm ²	1.07	1.00
5	6	2017-05-12 15:42	JG	202 S MAIN ST	INTERIOR	WHITE-BROWN	WOOD	TRIM-BASEBOARD	0.00 +/- 0.02	mg/cm ²	1.08	1.00
6	7	2017-05-12 15:43	JG	202 S MAIN ST	INTERIOR	WHITE-BROWN	WOOD	TRIM-BASEBOARD	0.00 +/- 0.02	mg/cm ²	1.08	1.00
7	8	2017-05-12 15:43	JG	202 S MAIN ST	INTERIOR	WHITE-BROWN	WOOD	TRIM-BASEBOARD	0.00 +/- 0.02	mg/cm ²	1.07	1.00
8	9	2017-05-12 15:44	JG	202 S MAIN ST	INTERIOR	TAN	DRYWALL	WALL	0.00 +/- 0.02	mg/cm ²	1.07	1.00
9	10	2017-05-12 15:44	JG	202 S MAIN ST	INTERIOR	TAN	DRYWALL	WALL	0.00 +/- 0.02	mg/cm ²	1.08	1.00
10	11	2017-05-12 15:44	JG	202 S MAIN ST	INTERIOR	TAN	DRYWALL	WALL	0.00 +/- 0.02	mg/cm ²	1.08	1.00
11	12	2017-05-12 15:46	JG	202 S MAIN ST	NE DINING	BROWN	DRYWALL	WALL	0.00 +/- 0.02	mg/cm ²	1.71	1.00
12	13	2017-05-12 15:46	JG	202 S MAIN ST	NE DINING	BROWN	DRYWALL	WALL	0.00 +/- 0.02	mg/cm ²	1.28	1.00
13	14	2017-05-12 15:47	JG	202 S MAIN ST	NE DINING	BROWN	DRYWALL	WALL	0.00 +/- 0.02	mg/cm ²	1.07	1.00
14	15	2017-05-12 15:48	JG	202 S MAIN ST	KITCHEN	RED	CERAMIC TILE	FLOOR	0.00 +/- 0.02	mg/cm ²	2.03	1.00
15	16	2017-05-12 15:48	JG	202 S MAIN ST	KITCHEN	RED	CERAMIC TILE	FLOOR	0.00 +/- 0.02	mg/cm ²	2.25	1.00
16	17	2017-05-12 15:48	JG	202 S MAIN ST	KITCHEN	RED	CERAMIC TILE	FLOOR	0.00 +/- 0.02	mg/cm ²	1.71	1.00
17	18	2017-05-12 15:49	JG	202 S MAIN ST	NE DINING	BEIGE	CERAMIC TILE	FLOOR	0.01 +/- 0.05	mg/cm ²	1.07	1.63
18	19	2017-05-12 15:49	JG	202 S MAIN ST	NE DINING	BEIGE	CERAMIC TILE	FLOOR	0.00 +/- 0.02	mg/cm ²	1.07	1.00
19	20	2017-05-12 15:50	JG	202 S MAIN ST	NE DINING	BEIGE	CERAMIC TILE	FLOOR	0.00 +/- 0.02	mg/cm ²	1.92	1.00
20	21	2017-05-12 15:51	JG	202 S MAIN ST	MENS RR	TAN	CERAMIC TILE	COVEBASE	0.01 +/- 0.03	mg/cm ²	1.08	1.00
21	22	2017-05-12 15:51	JG	202 S MAIN ST	MENS RR	TAN	CERAMIC TILE	COVEBASE	0.01 +/- 0.04	mg/cm ²	1.07	1.25
22	23	2017-05-12 15:51	JG	202 S MAIN ST	MENS RR	TAN	CERAMIC TILE	COVEBASE	0.01 +/- 0.04	mg/cm ²	1.08	1.34
23	24	2017-05-12 15:53	JG	202 S MAIN ST	EX WINDOW	WHITE	WOOD	TRIM	0.50 +/- 0.30	mg/cm ²	3.13	1.00
24	25	2017-05-12 15:53	JG	202 S MAIN ST	EX WINDOW	WHITE	WOOD	TRIM	0.50 +/- 0.30	mg/cm ²	3.12	1.00
25	26	2017-05-12 15:53	JG	202 S MAIN ST	EX WINDOW	WHITE	WOOD	TRIM	0.00 +/- 0.02	mg/cm ²	2.77	1.00
26	27	2017-05-12 15:54	JG	202 S MAIN ST	EX WINDOW	WHITE	WOOD	TRIM	0.00 +/- 0.02	mg/cm ²	2.25	1.00
27	28	2017-05-12 15:54	JG	202 S MAIN ST	EX WINDOW	WHITE	WOOD	TRIM	0.00 +/- 0.02	mg/cm ²	3.75	1.00
28	29	2017-05-12 15:56	JG	202 S MAIN ST	EX WINDOW	WHITE	WOOD	TRIM	0.01 +/- 0.02	mg/cm ²	6.24	2.93
29	30	2017-05-12 15:59	JG	202 S MAIN ST	EXTERIOR	MULTI COLORED	WOOD	SIDING-OVERHANG	0.24 +/- 0.12	mg/cm ²	3.01	1.72
30	31	2017-05-12 16:00	JG	202 S MAIN ST	EXTERIOR	MULTI COLORED	WOOD	SIDING-OVERHANG	0.10 +/- 0.06	mg/cm ²	3.86	2.52
31	32	2017-05-12 16:00	JG	202 S MAIN ST	EXTERIOR	MULTI COLORED	WOOD	SIDING-OVERHANG	0.01 +/- 0.02	mg/cm ²	3.97	1.61
32	33	2017-05-12 16:00	JG	202 S MAIN ST	EXTERIOR	MULTI COLORED	WOOD	SIDING-OVERHANG	0.11 +/- 0.09	mg/cm ²	2.48	1.50
33	34	2017-05-12 16:01	JG	202 S MAIN ST	EXTERIOR	MULTI COLORED	WOOD	SIDING-OVERHANG	0.10 +/- 0.16	mg/cm ²	0.75	1.03

Ind	Reac	Time	Insp	Site	Side	Room	Color	Substrate	Component	PbC	Units	Durati	Depth Ind
34	35	2017-05-12 16:01	JG	202 S MAIN ST		EXTERIOR	MULTI COLORED	WOOD	SIDING-OVERHANG	0.25 +/- 0.15	mg / cm ^2	2.80	2.15
35	36	2017-05-12 16:09	JG		CALIBRATE					4.40 +/- 3.30	mg / cm ^2	0.21	1.42



NAL LOG-IN RECORD

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National Analytical Laboratories, Inc.

Job Site/Job #:

Client#-Lot#

1103 / 186

Giles Engineering Associates, Inc.

Phone Number

FAX Number

Contact

Monica Sell

E-Mail Address

Future Chick-Fil A:
202 South Main Street
Orange, CA 92868

Date 5/11/2017

Sampling Date: 5/10/2017

Sampling Time 10:00:00 AM

Type Of Work: Lead BI

No. of Samples 9

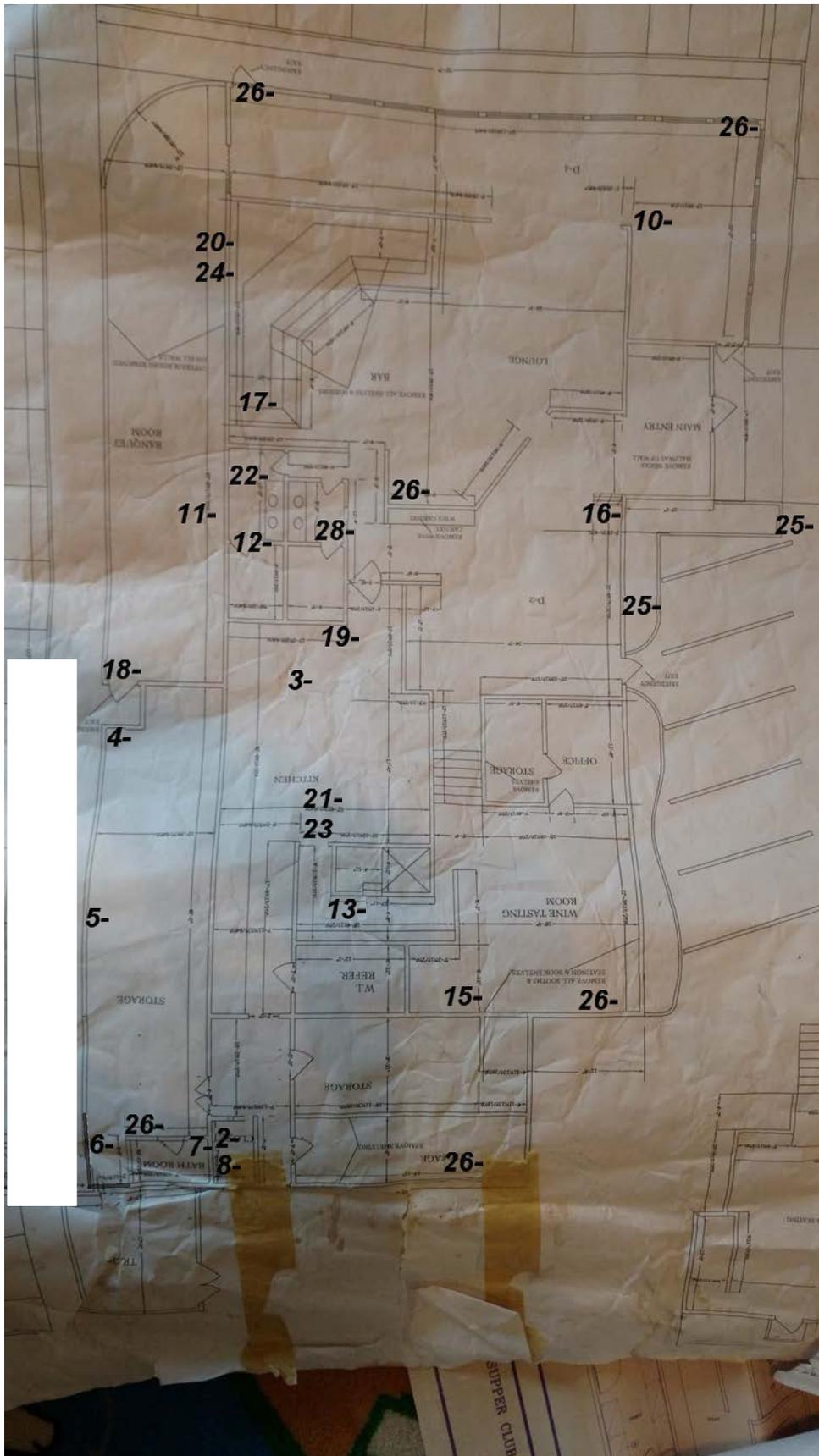
Turnaround: 6 hours

Num.	Sample ID#	Location/Description
1	202-1L	Interior Door Components, Various Areas \ Brown-White Paint
2	202-2L	Interior Trim & Baseboard, Various Areas \ White-Brown Paint
3	202-3L	Interior Sheetrock Walls \ Tan-White Paint
4	202-4L	Northeast Dining & Entry East Wall \ Brown Paint
5	202-5L	Kitchen Floors, Over Concrete \ 6" Red Ceramic Tile
6	202-6L	Northeast Dining Room \ 24" Tan Ceramic Tile
7	202-7L	Men's, Women's & Kitchen Walls \ 6" Tan Cove Base Ceramic Tile
8	202-8L	Exterior Window Trim, Various Areas \ Multi-Colored Paint
9	202-9L	Exterior Wood Siding, Rafter Tails & Overhangs, Various Areas \ Multi-Colored Paint

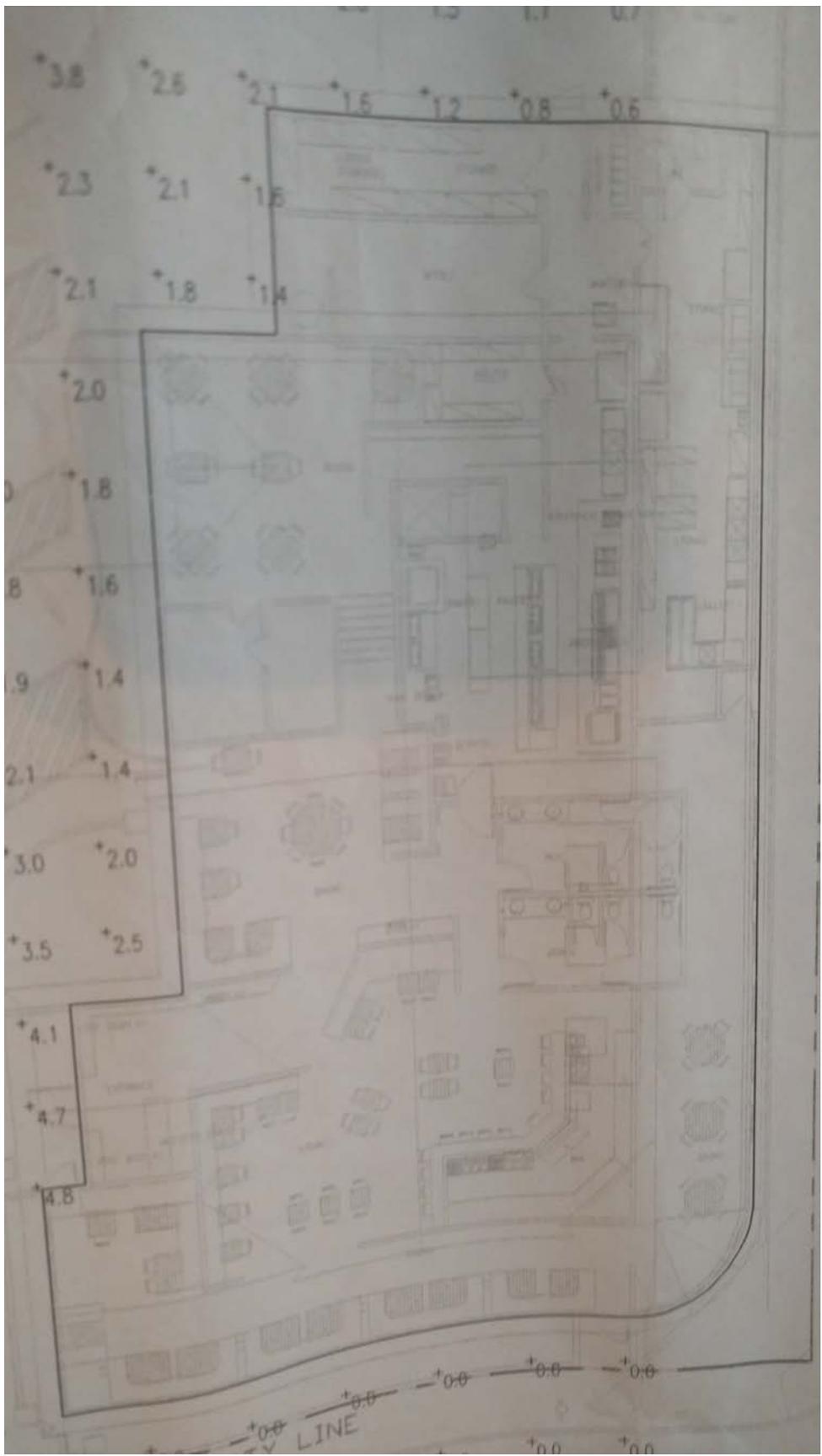
Chain of Custody Information

Released By Signature	Date/Time	Received By Signature	Date/Time	Due:
<i>Anthony M. DeArcos</i>	05/11/17 0830			
Released By Signature	Date/Time	Received By Signature	Date/Time	At:



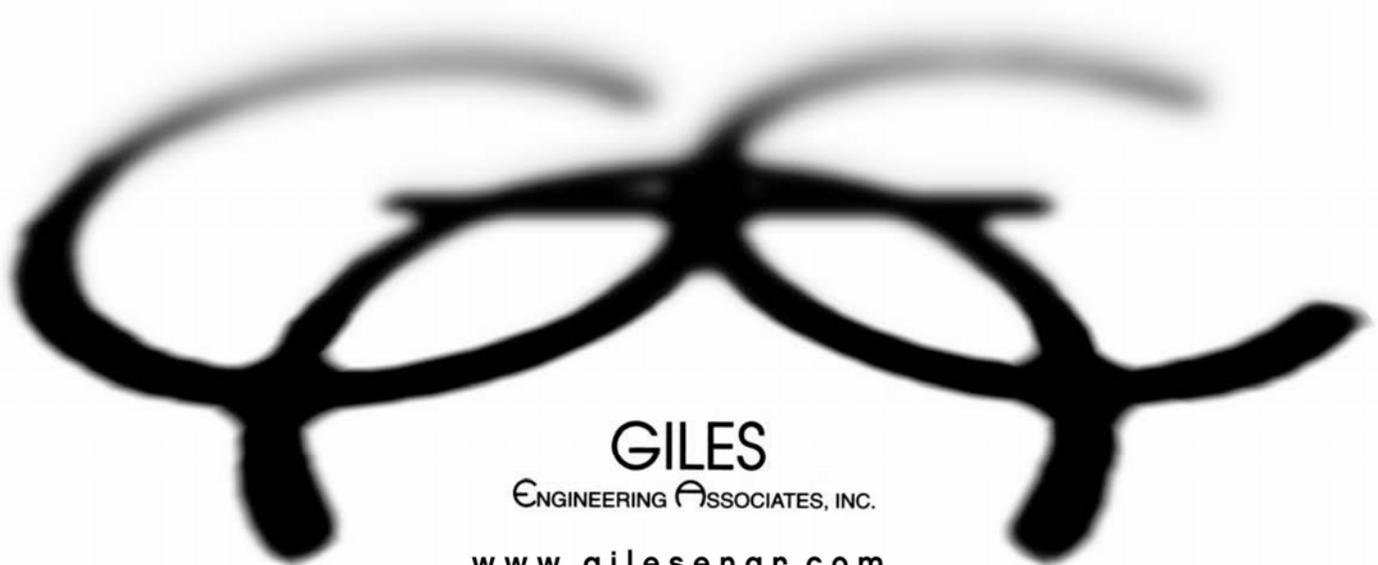


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