BID ADDENDUM #1

May 12, 2023

To:
Prospective Bidders/Planholders

Buildings 004, 005, and 0015 HVAC Replacement Project
Project 23-413
California State University Stanislaus
One University Circle, Turlock, CA 95382

This Addendum forms a part of the contract documents and modifies the original bidding documents. Addendum shall be noted as received and acknowledged on the Bid Proposal Form when submitted as outlined in the Bid Package referenced above.

The following corrections, additions, deletions, and/or modifications to the above package, by this reference, shall be incorporated therein:

Addition:

• Provision of Asbestos Survey Report for Stanislaus Corp Yard, dated April 3, 2023

End of Addenda No. 1

April 3, 2023

Asbestos Survey Report

HVAC Replacement
California State University, Stanislaus
Corp Yard
One University Circle
Turlock, CA 95382

Prepared for:

Kat Marian, Sr. Director
Campus Planning, Design, and Sustainability
California State University, Stanislaus
One University Circle
Turlock, CA 95382
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Prepared By:

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FACS Project #PJ75472

Contents

List of Acronyms

AAS	Atomic Absorption Spectroscopy
ACCM	Asbestos Containing Construction Material
ACM	Asbestos Containing Material
AHERA	Asbestos Hazard Emergency Response Act
AIHA	American Industrial Hygiene Association
CAC	California - Certified Asbestos Consultant
Cal/OSHA	California Occupational Safety and Health Association
CCR	Code of California Regulations
CFR	Code of Federal Regulation
CSST	California – Certified Site Surveillance Technician
DOSH	Department of Occupational Safety and Health
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency (EPA)
FACS	Forensic Analytical Consulting Services, Inc.
FALI	Forensic Analytical Laboratories, Inc.
ND	None Detected
NESHAP	National Emissions Standard Hazardous Air Pollutants
NIOSH	National Institute for Occupational Safety and Health
NIST	National Institute of Science and Technology
NVLAP	National Voluntary Laboratory Accreditation Program
PCM	Phase Contrast Microscopy
PLM	Polarized Light Microscopy
SGS	SGS - Forensic Laboratories
TEM	Transmission Electron Microscopy
TTLC	Total Threshold Limit Concentration
XRF	X-Ray Fluorescence Spectrum Analyzer
<	Less Than Reporting Limit

Executive Summary

Forensic Analytical Consulting Services, Inc. (FACS) was retained by California State University, Stanislaus to perform an asbestos survey in the Corp Yard of the University, located at One University Circle in Turlock, California. The survey included any suspect asbestos-containing materials (ACM) which may be disturbed during the planned renovation project. A summary list of suspect asbestos-containing materials which were identified and sampled is included in Appendix A of this report. The survey was performed on March 14, 2023.

Asbestos

The following suspect materials were sampled and identified to **not contain** asbestos by laboratory analysis during this survey:

- **Drywall – Tape & Joint Compound**
- **2’ x 4’ FCP – Pinhole-Fissure**

Please see Appendix A for a complete listing of materials sampled at the work areas and results from this survey. Any suspect materials not included must be assumed to be asbestos-containing materials until tested and proven not to contain asbestos.

Introduction

Forensic Analytical Consulting Services, Inc. (FACS) was retained by California State University, Stanislaus to perform an asbestos survey in the Corp Yard of the University, located at One University Circle in Turlock, California. The survey included any suspect asbestos-containing materials (ACM) which may be disturbed during the planned renovation project. The survey was performed on March 14, 2023.

Scope of Work

The purpose of this survey was to identify asbestos-containing materials (ACMs) and lead-containing paints and coatings which may be disturbed during the upcoming project. The visual inspection, bulk sampling, and survey documentation were performed by Tyler Faison and Trevor Leitz. Mr. Faison is a Division of Occupational Safety and Health (DOSH) Certified Asbestos Consultant (CAC #10-6824). Mr. Leitz is a Division of Occupational Safety and Health (DOSH) Certified Site Surveillance Technician (CSST #19-6682). The scope of the survey and the services provided by FACS included:

- Performing a visual inspection of the project area to identify accessible suspect asbestos-containing materials (ACMs) that will be disturbed during the planned project;
- Collection of bulk material samples for asbestos laboratory analysis by polarized light microscopy (PLM);
- Ensuring the technical quality of all work by using Asbestos Hazard Emergency Response Act (AHERA) accredited Building Inspectors;
- Consolidating data and findings into a report format.

Site Characterization

The Corp Yard building was comprised of common construction materials such as carpet, vinyl baseboard, drywall, and false ceiling panels. During the survey, FACS did not observe paints that would be impacted by the upcoming project.

Survey Methods

Document Review

No previous documentation was reviewed prior to the inspection. The extent of the planned renovation project was provided by Kat Marian of CSU Stanislaus. The survey was based on drawings provided to FACS for the upcoming project and was limited to just those areas that may be disturbed by the project. Not all spaces were inspected and other suspect materials may exist within the building that are not included in this project-specific report. It was requested by the client to not sample any roofing materials as part of the survey.

Visual Inspection

Accessible building materials were visually inspected using the methods presented in the Federal AHERA regulations (40 CFR, Part 763). AHERA inspection methodology is required to be used for inspections of K-12 schools and is generally accepted as the industry standard for all ACM inspections regardless of structure or facility type. Suspect ACMs were also physically assessed for friability, condition and possible disturbance factors.

All areas were accessible during this inspection.

Asbestos Inspection

Bulk Sample Collection

Bulk samples of identified homogeneous materials were collected in building areas that may be impacted by the planned renovation/demolition activities. Samples were collected of each separate homogeneous area. A homogeneous area is defined as a surfacing material, thermal system insulation, or miscellaneous material that is uniform in use, color and texture. Examples of homogeneous areas could include:

False Ceiling Panels
Drywall with joint compound

The specific number of samples collected was determined by using the methods required by the Federal AHERA regulations (40 CFR, Part 763.86) as noted below:

1) For Surfacing Material:
   1,000 ft^2 or less - collect 3 samples
   1,001 to 5,000 ft^2 - collect 5 samples
   5,001 ft^2 or greater - collect 7 samples

2) For Thermal System Insulation:
   "In a randomly distributed manner" - collect 3 samples
   6 linear feet of patching or less - collect 1 sample
   cementitious pipe fittings - "In a manner sufficient to determine"

3) For all Miscellaneous Material:
   Collect samples "In a manner sufficient to determine whether material is ACM (asbestos-containing material) or not ACM..."

The suspect ACMs were sampled using a knife, chisel, scraper, drill or other similar coring device suitable to the type of material sampled to cut through its entire thickness and to ensure that a cross-section of the material was obtained. The material was then placed in an appropriately labeled container that was sealed and submitted to SGS-Forensic Laboratories for analysis. A unique sample number (e.g. PJ75472-01A) was assigned to each sample.

Bulk samples will be retained by the laboratory for one month unless otherwise instructed. After this period, the samples will be disposed of appropriately.

Bulk Sample Analysis

A total of twelve (12) bulk samples were collected from a total of two (2) suspect materials. Bulk samples were analyzed by SGS-Forensic Laboratories (SGS) in Hayward, California. SGS is accredited by the California Department of Public Health (CDPH) Environmental Laboratory Accreditation Program (ELAP) and the National Institute of Science and Technology's (NIST) National Voluntary Laboratory Accreditation Program (NVLAP). SGS participates in the National Institute for Occupational Safety and Health (NIOSH) Proficiency Analytical Testing Program and has substantial experience in the analysis of asbestos.

All samples were analyzed using Polarized Light Microscopy with Dispersion Staining (PLM/DS) techniques in accordance with the methodology approved by the U.S. Environmental Protection Agency

(EPA). The percentage of asbestos present in the samples was determined on the basis of a visual area estimation. The EPA defines asbestos-containing materials (ACM) as any material containing more than one percent (1%) asbestos as determined using the method specified in Appendix A, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy (PLM). 40 CFR Part 763 identifies the lower limit of reliable quantification for asbestos using the PLM method as approximately one percent (1%) by volume. Regulations in California (CAL/OSHA Title 8 CCR 1529) define asbestos-containing construction materials (ACCM) as those materials having asbestos content of greater than one tenth of one percent (> 0.1%); therefore, for the purpose of this survey, any amount of asbestos detected will be considered positive. In addition to the percentages, the types of asbestos minerals are also reported. The PLM method is the standard method used to analyze asbestos bulk samples.

When "None Detected" (ND) appears in the laboratory results, it should be interpreted as meaning asbestos was not observed in the sample material.

Regulations

Background

Asbestos is the name of a class of magnesium-silicate minerals that occur in fibrous form. Minerals that are included in this group are chrysotile, crocidolite, amosite, anthophyllite asbestos, tremolite asbestos, and actinolite asbestos. Although the chrysotile minerals are the most common type of asbestos found in the construction industry, all types of asbestos are regulated in the same manner. Asbestos has been used in more than 3,000 different building materials. Asbestos was added to building materials to: increase fire-resistance, insulate against heat, cold and sound, resist corrosion, and increase tensile strength. Common building materials that may contain asbestos include but are not limited to the following: floor tile, resilient sheet flooring, ceiling tile, mastics, roofing materials, fireproofing, acoustical treatments, wallboard, pipe and boiler insulations. Adverse health effects have been associated with the inhalation of airborne asbestos. However, asbestos fibers that are tightly bound in the building material, may not represent an exposure hazard, unless disturbed in such a way that releases airborne fibers (i.e., cutting, drilling, sanding, and other abrasive methods).

Building Surveys

The following is a summary of some current Federal and California State regulations which contain requirements related to the performance of building surveys for asbestos. These summaries are not intended to be all inclusive and do not contain every aspect of the regulations discussed.

U.S. EPA National Emission Standard for Hazardous Air Pollutants (NESHAPs), 40 CFR Part 61

Under the NESHAPs regulation, no visible emissions are allowed during building demolition or renovation activities which involve regulated asbestos-containing materials. For this reason, all buildings must be surveyed for asbestos-containing materials prior to demolition or renovation. The EPA, CARB, and/or the local Air Quality Management District which implements EPA actions, must be notified prior to any building demolition even if no asbestos-containing materials are present.
Regulated asbestos-containing material (RACM) is defined as a) any friable material with an asbestos content of greater than one percent, or b) any non-friable material with asbestos content of greater than one percent that will, or could, become friable.

Asbestos Hazard Emergency Response Act (AHERA), 40 CFR Part 763, Subpart E

AHERA requires performance of asbestos surveys and the development of Asbestos Management Plans for all primary and secondary schools in the United States. Although this regulation applies to primary

and secondary schools only, the procedures mandated under AHERA are considered the industry standard and are applied to all surveys performed by FACS unless otherwise specified by the building owner.

Worker Protection

California Assembly Bill AB3713, Health and Safety Code Division 20, Chapter 10.4, Section 25915-25924

The state of California has enacted legislation that requires building owners, employers, lessees, etc. to notify tenants, employees and contractors of the presence of asbestos in both friable and non-friable forms. In addition, preventive maintenance activities must be developed and communicated to these parties. Notification is required 15 days after the identification of ACM in the building, and annually thereafter.

Occupational Safety and Health Administration (OSHA) 29 CFR 1926.1101 and 8 CCR 1529

The Federal and State Occupational Safety and Health Administrations (OSHA) require employers to implement specific work practices which protect workers from airborne asbestos exposure.

Building materials which contain even low levels of asbestos (<1%) can potentially generate significant concentrations of airborne asbestos fibers when disturbed. Therefore, control measures should be instituted which adequately address worker health and safety during planned renovation or demolition activities involving these materials. Cal/OSHA defines asbestos-containing construction materials as those materials having greater than one tenth of one percent asbestos (>0.1%). As stated previously, there is currently no viable method to accurately quantify asbestos at this level.

Hazardous Waste

Building materials reported to contain less than one percent (<1%) of asbestos are not considered hazardous by the U.S. EPA, and hence, may not require removal and disposal prior to demolition or renovation. Regulations may vary, however, between regional air quality management districts and/or other state agencies responsible for implementing EPA's rules. Therefore, local agencies should be contacted for specific ACM definitions and handling requirements. Cal/OSHA may also require special packaging and labeling on containers with asbestos-containing construction materials.

Composite sampling, which may potentially reduce the total asbestos content of the material, is only permitted when sampling joint compound, tape, and gypsum wallboard according to EPA's Asbestos NESHAP Clarification Regarding Analysis of Multi-Layered Systems (40 CFR Part 61 FRL-4821-7).

Findings and Recommendations

Forensic Analytical Consulting Services, Inc. (FACS) was retained by California State University, Stanislaus to perform an asbestos survey in the Corp Yard of the University, located at One University Circle in Turlock, California.

Asbestos

The following suspect materials were sampled and identified to **not contain** asbestos by laboratory analysis during this survey:

- **Drywall – Tape & Joint Compound**
- **2' x 4' FCP – Pinhole-Fissure**

Please see Appendix A for a complete listing of materials sampled at the work areas and results from this survey. Any suspect materials not included must be assumed to be asbestos-containing materials until tested and proven not to contain asbestos.

Limitations

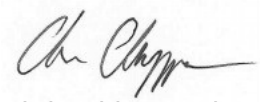
This investigation is limited to the conditions and practices observed, and information made available to FACS. The methods, conclusions and recommendations provided are based on FACS' judgment, expertise, and the standard of practice for professional service. They are subject to the limitations and variability inherent in the methodology employed. As with all environmental investigations, this investigation is limited to the defined scope and does not purport to set forth all hazards, nor indicate that other hazards do not exist.

Please do not hesitate to contact our office at (209) 551-2000 with any questions or concerns. Thank you for the opportunity to assist California State University, Stanislaus with promoting worker safety and a healthy environment.

Respectfully,
FORENSIC ANALYTICAL

Trevor Leitz
Environmental Health Specialist, Modesto
Cal/OSHA CSST #19-6682
CDPH LRC-00003432

Reviewed by:
FORENSIC ANALYTICAL



Chris Chipponeri
Local Director, Central Valley Offices
Cal/OSHA CAC #10-4633
CDPH LRC-00000782

Appendix A

Asbestos Survey Summary, Sample Chain-of-Custody and Laboratory Results Report

Asbestos Survey Summary (Lab Report #B345304) CSUS – Corp Yard – HVAC Replacement Survey Date: March 14, 2023						
Sample Number	**Material Description**	**Location(s) of Material**	**Material Number**	**Asbestos Content (%)**	**Asbestos NESHAP Category**	**Approximate Quantity (ft^2)**
01A-01G	Drywall – Tape & Joint Compound	Corp Yard	01	Layer: White Drywall: ND Layer: White Joint Compound: ND Layer: Drywall Tape: ND	NA	NA
02A-02E	2x4 FCP – Pinhole Fissure	Corp Yard	02	Layer: Off-White Fibrous Material: ND Layer: Paint: ND	NA	NA

ND = None Detect for Asbestos

SGS FORENSIC LABORATORIES

Analysis Request Form (COC)

Client Name & Address: FACS Modesto 207 McHenry Avenue Modesto, CA 95354	Client No.: MOD08
PO / Job#: PJ75472	Date: 3/14/23
Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day	
☐ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer	
☒ PLM: ☒ Standard / ☐ Point Count 400 - 1000 / ☐ CARB 435	
Contact: Trevor Leitz	Phone: (209) 551-2000
☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402 ☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield ☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight % ☐ TEM Dust: ☐ D5755 (microvac) / ☐ D6480 (wipe)	
E-mail: tleitz@forensicanalytical.com	
Site Name: CSUS - Corp Yard HVAC Replacement	☐ IAQ Particle Identification ☐ Opaques/Char (Wildfire) ☐ Limited Particle ID (Wildfire) ☐ Special Project
Site Location: One University Circle, Turlock, CA	☐ Metals Analysis Matrix: Method: Analytes:
Comments:	☐ Silica in Air ☐ w/Gravimetry ☐ Quartz Only

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg LPM	Total Time	
PJ75472 - 01A	3/14/23	Drywall - Tape & Joint Main Lobby - West Side	A P C				
PJ75472 - 01B	3/14/23	Drywall - Tape & Joint Lobby Hallway - East Side	A P C				
PJ75472 - 01C	3/14/23	Drywall - Tape & Joint East Entry - North Side	A P C				
PJ75472 - 01D	3/14/23	Drywall - Tape & Joint w/out TJ East Entry - North Side	A P C				
PJ75472 - 01E	3/14/23	Drywall - Tape & Joint File Room - West Side	A P C				
PJ75472 - 01F	3/14/23	Drywall - Tape & Joint w/out TJ Kitchen - North Side	A P C				
PJ75472 - 01G	3/14/23	Drywall - Tape & Joint w/out TJ Hallway - East Side	A P C				
PJ75472 - 02A	3/14/23	2x2 FCP - Pinhole Fissure Main Lobby - West Side	A P C				
PJ75472 - 02B	3/14/23	2x2 FCP - Pinhole Fissure Lobby Hallway - East Side	A P C				
PJ75472 - 02C	3/14/23	2x2 FCP - Pinhole Fissure East Entry - North Side	A P C				

Sampled By: T. Leitz | T.Faison Date/Time: 3/14/23 Shipped Via: ☒ Fed Ex ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:

Relinquished By: Date / Time: 3/14/23	Relinquished By: Date / Time:	Relinquished By: Date / Time:
Received By: Date / Time: MAR 17 2023 1130 Condition Acceptable? ☐ Yes ☐ No	Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No	Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No

FB-3923

SGS Forensic Laboratories may subcontract client samples to other SGSFL locations to meet client requests.

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, CA 94545-2761 • Phone: 510/887-8828 • 800/827-3274
Los Angeles Office: 20535 South Belshaw Ave., Carson, CA 90746 • Phone: 310/763-2374 • 888/813-9417
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 • Phone: 702/784-0040
Chicago Office: 3020 Woodcreek Drive, Suite C, Downers Grove, IL 60515 • Phone: 341/465-2464

SGS FORENSIC LABORATORIES

Analysis Request Form (COC)

Client Name & Address: FACS Modesto 207 McHenry Avenue Modesto, CA 95354	Client No.: MOD08
PO / Job#: PJ75472	Date: 3/14/23
Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day	
☐ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer	
☒ PLM: ☒ Standard / ☐ Point Count 400 - 1000 / ☐ CARB 435	
Contact: Trevor Leitz	Phone: (209) 551-2000
E-mail: tleitz@forensicanalytical.com	☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402 ☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield ☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight % ☐ TEM Dust: ☐ D5755 (microvac) / ☐ D6480 (wipe)
Site Name: CSUS - Corp Yard HVAC Replacement	☐ IAQ Particle Identification ☐ Opaques/Char (Wildfire) ☐ Limited Particle ID (Wildfire) ☐ Special Project
Site Location: One University Circle, Turlock, CA	☐ Metals Analysis Matrix: Method: Analytes:
Comments:	☐ Silica in Air ☐ w/Gravimetry ☐ Quartz Only

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg LPM	Total Time	
PJ75472 - 02D	3/14/23	2x2 FCP - Pinhole Fissure Open Office Space - South Side	A P C				
PJ75472 - 02E	3/14/23	2x2 FCP - Pinhole Fissure File Room - North Side	A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				

Sampled By: T. Leitz | T.Faison Date/Time: 3/14/23 Shipped Via: ☒ Fed Ex ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:

Relinquished By:	Relinquished By:	Relinquished By:
Date / Time: 3/14/23	Date / Time:	Date / Time:
Received By: FedEx 3923	Received By:	Received By:
Date / Time: MAR 17 2023 1130	Date / Time:	Date / Time:
Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No

SGS FORENSIC LABORATORIES

Final Report

Bulk Asbestos Analysis

(EPA Method 40CFR, Part 763, Appendix E to Subpart E and EPA 600/R-93-116, Visual Area Estimation)
NVLAP Lab Code: 101459-0

FACS - Modesto
Tyler Faison
21228 Cabot Blvd.

Hayward, CA 94545

Client ID: MOD08
Report Number: B345304
Date Received: 03/17/23
Date Analyzed: 03/22/23
Date Printed: 03/23/23
First Reported: 03/23/23

Job ID/Site: PJ75472; California State University, Stanislaus Corp Yard One University Circle Turlock CA 95382
Date(s) Collected: 03/14/2023

SGSFL Job ID: MOD08
Total Samples Submitted: 12
Total Samples Analyzed: 12

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
PJ75472-01A	12649759						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Drywall Tape			**ND**				
Layer: White Joint Compound			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							
PJ75472-01B	12649760						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Drywall Tape			**ND**				
Layer: White Joint Compound			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							
PJ75472-01C	12649761						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							
PJ75472-01D	12649762						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							
PJ75472-01E	12649763						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							

Report Number: B345304

Client Name: FACS - Modesto **Date Printed:** 03/23/23

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
PJ75472-01F	12649764						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							
PJ75472-01G	12649765						
Layer: White Drywall			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %)							
PJ75472-02A	12649766						
Layer: Off-White Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (35 %) Fibrous Glass (45 %)							
PJ75472-02B	12649767						
Layer: Off-White Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (35 %) Fibrous Glass (45 %)							
PJ75472-02C	12649768						
Layer: Off-White Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (35 %) Fibrous Glass (45 %)							
PJ75472-02D	12649769						
Layer: Off-White Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (35 %) Fibrous Glass (45 %)							
PJ75472-02E	12649770						
Layer: Off-White Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (35 %) Fibrous Glass (45 %)							

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

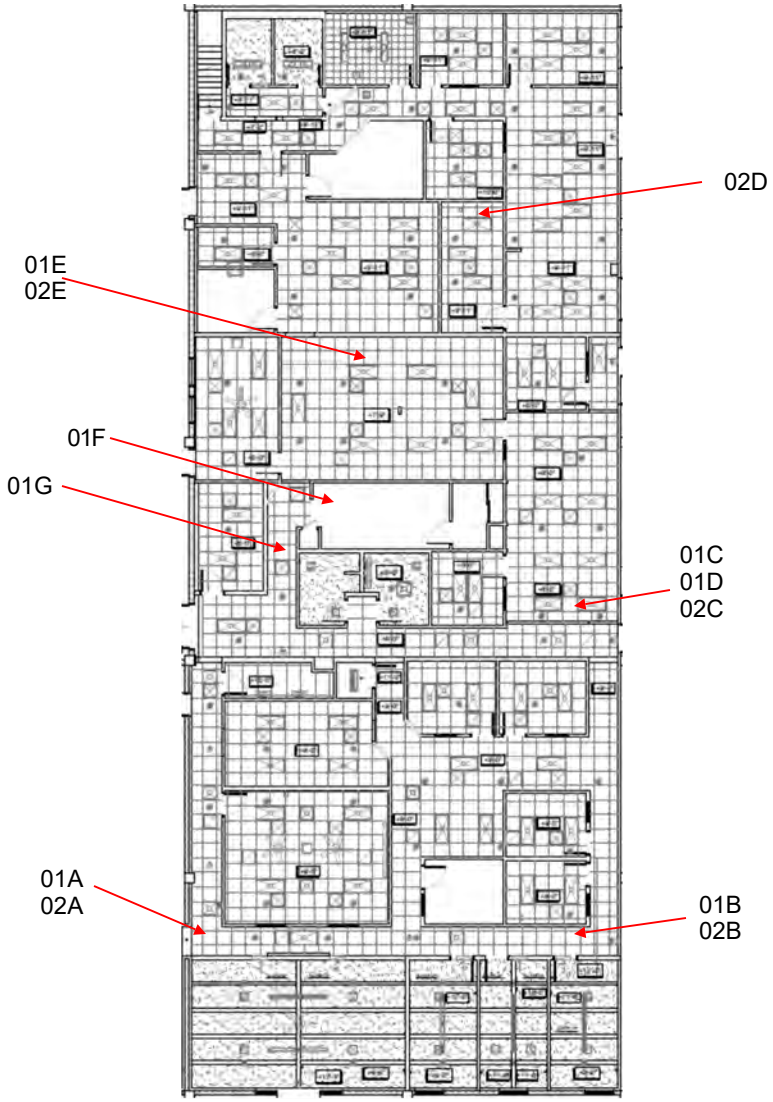
Appendix B

Site Photos and Sample Location Drawing

HVAC Ducting Overview – Fiberglass

Drywall – Tape and Joint Compound Material

2 x 4 FCP



FACS 35 Forensic Analytical Consulting Services 207 McHenry Avenue Modesto, CA 95354	N	Sample Location	California State University, Stanislaus One University Circle Turlock, CA 95382	Corp Yard HVAC Upgrade LOCATION: One University Circle Turlock, CA	DRAWN BY: Trevor Leitz FACS PROJECT No.: PJ75472

Appendix C
Certifications of Personnel and Laboratories

STATE OF CALIFORNIA Gavin Newsom, Governor

DEPARTMENT OF INDUSTRIAL RELATIONS
Division of Occupational Safety and Health-Asbestos Certification
1750 Howe Avenue, Suite 460
Sacramento, CA 95825
(916) 574-2993 Office http://www.dir.ca.gov/dosh/asbestos.html actu@dir.ca.gov

008186824C **461** **463**

December 22, 2022

Tyler J Faison
3417 Switzer Avenue
Modesto CA 95350

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. Your certification card number has changed to reflect the year you were first certified. If you have any questions regarding this matter please email our office and we will be happy to answer any questions. **To maintain your certification, you must abide by the rules printed on the back of the certification card.**

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please contact our office at the above address or email w any changes in your contact/mailing information within 15 days of the change.

Sincerely,

Jeff Ferrell
Senior Safety Engineer

Attachment: Certification Card

cc: File

Renewal – Card Attached

Forensic Analytical Consulting Services, Inc.

This is to confirm that

Tyler Faison

Has attended the four-hour

AHERA Refresher Course for Asbestos Inspectors

And has completed the requisite training for

asbestos accreditation under TSCA Title II

September 6, 2022

Certificate Number: FACSBIR1347

Valid Until: September 6, 2023

Cal/OSHA Approval Number: CA-025-06

FACS
Forensic Analytical Consulting Services

David B. McGrath, Corporate Training Director
Forensic Analytical Consulting Services,Inc.
21228 Cabot Blvd, Hayward, CA 94545
(800) 677-1483

STATE OF CALIFORNIA Gavin Newsom, Governor

DEPARTMENT OF INDUSTRIAL RELATIONS
Division of Occupational Safety and Health-Asbestos Certification
1750 Howe Avenue, Suite 460
Sacramento, CA 95825
(916) 574-2993 Office http://www.dir.ca.gov/dosh/asbestos.html actu@dir.ca.gov

910116682T **453**

Forensic Analytical Consulting Services
Trevor T Leitz
207 McHenry Avenue
Modesto CA 95354

December 22, 2022

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. **To maintain your certification, you must abide by the rules printed on the back of the certification card.**

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please contact our office at the above address or email w any changes in your contact/mailing information within 15 days of the change.

Sincerely,

Eric Berg

Eric Berg
Deputy Chief of Health

Attachment: Certification Card

cc: File

Renewal – Card Attached

Forensic Analytical Consulting Services, Inc.

This is to confirm that

Trevor Leitz

Has attended the four-hour

AHERA Refresher Course for Asbestos Inspectors

And has completed the requisite training for

asbestos accreditation under TSCA Title II

September 6, 2022

Certificate Number: FACSBIR1349

Valid Until: September 6, 2023

Cal/OSHA Approval Number: CA-025-06

FACS
Forensic Analytical Consulting Services

David B. McGrath, Corporate Training Director
Forensic Analytical Consulting Services,Inc.
21228 Cabot Blvd, Hayward, CA 94545
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STATE OF CALIFORNIA Gavin Newsom, Governor

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005174633C **339**

May 11, 2022

Christopher J Chipponeri
1401 Louise Avenue
Modesto CA 95350

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. **To maintain your certification, you must abide by the rules printed on the back of the certification card.**

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please contact our office at the above address or email w any changes in your contact/mailing information within 15 days of the change.

Sincerely,

Jeff Ferrell
Senior Safety Engineer

Attachment: Certification Card

cc: File

Renewal – Card Attached

Forensic Analytical Consulting Services, Inc.

This is to confirm that

Chris Chipponeri

Has attended the four-hour

AHERA Refresher Course for Asbestos Inspectors

And has completed the requisite training for

asbestos accreditation under TSCA Title II

September 6, 2022

Certificate Number: FACSBIR1344

Valid Until: September 6, 2023

Cal/OSHA Approval Number: CA-025-06

FACS
Forensic Analytical Consulting Services

David B. McGrath, Corporate Training Director
Forensic Analytical Consulting Services,Inc.
21228 Cabot Blvd, Hayward, CA 94545
(800) 677-1483

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101459-0

SGS Forensic Laboratories

Hayward, CA

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2022-07-01 through 2023-06-30

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

SGS Forensic Laboratories
3777 Depot Road, Suite 409
Hayward, CA 94545-2761
Mr. Steven Takahashi
Phone: 310-294-4365 Fax: 310-764-1136
Email: steven.takahashi@sgs.com
http://www.falaboratories.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 101459-0**

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

Code	*Description*
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

For the National Voluntary Laboratory Accreditation Program

Right People

Right Perspective

Right Now

www.forensicanalytical.com