MADERA UNIFIED SCHOOL DISTRICT
1902 Howard Road
Madera CA 93637
(559) 675-4500
(559) 675-1186 Fax
www.madera.k12.ca.us

January 13th, 2016

Addendum No. 1
Reroofing at Various School Sites
Bid No. 111215

NOTICE TO ALL VENDORS:

This Addendum is attached to and made apart of the above entitles specifications for Madera Unified School District with a Bid Due Date of January 27th, 2016
Bid Packet No.1- 9:30 a.m.
Bid Packet No.2-10:00 a.m.

All changes and/or clarifications will appear in bold type and deletions will be struck out within a sentence.

1. Attachment A –Dry Rot Replacement Costs-see attached
2. Bid Bond-See Attached
3. Alpha Elementary School-Asbestos Survey Report –see attached

Addendum must be signed, dated and returned with bid to confirm receipt and acknowledgement

Signed: _____

Date:_____

Print Name:_____

Attachment –A Dry Rot Replacement Costs

BID FORM-TO BE TURNED IN PER PACKET

IMPORTANT: BIDS NOT RETURNED DIRECTLY TO THE PURCHASING DEPARTMENT MAY BE CONSIDERED VOID.

PER SQUARE FOOT WOOD BOARD REPLACEMENT AMOUNT Square foot wood board replacement to be completed in accordance with contract documents, including all costs to the school district including, but not limited to, materials, labor, tools, insurance, cleanup, and warranties, shall be _____ Dollars ($ _____) (Write in words the amount of your bid on this line) (Show bid in numbers)	$_____ Per Sq. Foot
PER LINEAL FOOT WOOD BOARD REPLACEMENT AMOUNT Lineal foot wood board replacement to be completed in accordance with contract documents, including all costs to the school district including, but not limited to, materials, labor, tools, insurance, cleanup, and warranties, shall be _____Dollars ($ _____) (Write in words the amount of your bid on this line) (Show bid in numbers)	$_____ Per Lineal Foot

Signed_____

Bid Bond#_____

BID BOND
(TO BE EXECUTED AND SUBMITTED WITH BID)

KNOW ALL MEN BY THESE PRESENT, that we, the undersigned _____ as Principal, and _____ as Surety, are hereby held and firmly bound unto the Madera Unified School District, hereinafter called the "District" in the sum of Dollars _____ ($_____) for payment of which sum, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

The condition of the above obligation is such that whereas the Principal has submitted to District a certain bid, attached hereto and hereby made a part hereof, to enter into a contract in writing for the _____ in strict accordance with Contract Documents.

NOW, THEREFORE,

A. If said bid shall be rejected, or, in the alternative,

B. If said bid shall be accepted and the Principal shall execute and deliver a contract in the form of Agreement attached hereto and shall execute and deliver the required insurance certificates, Performance Bond and Payment Bond in the forms attached hereto (all properly completed in accordance with said bid), and shall in all other respects perform the Contract created by the acceptance of said bid;

Then this obligation shall be void, otherwise the same shall remain in force and effect, it being expressly understood and agreed that the liability of the Surety for any and all default of the Principal hereunder shall be the amount of the obligation as herein stated.

Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or the call for bids, or to work to be performed thereunder, or the specifications accompanying the same, shall in anyway affect its obligation under this bond and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of said Contract or the call for bids, or to the work, or to the specifications.

In the event suit is brought upon this bond by the District and judgment is recovered, the Surety shall pay all litigation expenses incurred by the District in such suit, including reasonable attorney fees to be fixed by the court.

IN WITNESS WHEREOF, the above-bounden parties have executed this instrument under their several seals this _____day of_____. The name and corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

In presence of:

(Principal Seal) PRINCIPAL

BY: _____ Title

Address

_____

Telephone No /Fax No

(Surety Seal) SURETY

By: _____

Title: _____

_____
Agent's Address

_____
Telephone No. /Fax No

_____
Surety's Address

_____
Surety (Claim) Telephone No. / FaxNo.

Hazard Management Services
SINCE 1984

FRESNO OFFICE * 371 E BULLARD AVENUE SUITE 109 * FRESNO CA 93710
PHONE (559) 436-0277 * FAX (559) 436-0279 * WWW.HAZMANAGE.COM

January 11, 2016

Mr. Curtis Manganaan
Director of Maintenance and Operations
Madera Unified School District
1205 Madera Avenue
Madera, CA 93637

Limited Asbestos Survey for Roof Upgrades
Alpha Elementary School
Buildings A, B, C and C-1
HMS Project No. F15184

Dear Mr. Manganaan:

This letter reports the results of the limited survey for asbestos-containing materials (ACM) performed on December 14, 2015, by Hazard Management Services, Inc. (HMS, Inc.) at the site referenced above. This survey was conducted at the district's request to identify asbestos-containing materials that may be disturbed during a re-roof project which will occur at this site. The survey was limited to sampling roofing materials on buildings which were identified by the district. (See attached bulk sample location map).

The survey was performed by Fred Tarazon, who is an EPA accredited building inspector, under the supervision of Harry Stevens, a Cal/OSHA certified asbestos consultant. There were several building materials observed which are considered "suspect" under US EPA guidelines. Under current US EPA guidelines for conducting building inspections for ACM, all "suspect" building materials must be **assumed** to contain asbestos until otherwise determined by laboratory testing. A complete list of suspect materials in each building or group of buildings, which were discovered, sampled, and included in this survey are included in the following appendices.

INSPECTION PROTOCOL

The following inspection process was followed by HMS, Inc. at the above referenced site:

The roofs were accessible to the inspector.

The roofs were visually inspected for suspect materials.

Representative bulk samples of each suspect material were collected using a scraper, chisel, or power drill. Sample locations are indicated on the bulk sample chain of custody form included with this report. The samples were analyzed using polarized light microscopy with dispersion staining (PLM) by Forensic Analytical in Hayward, CA, a NVLAP accredited laboratory.

If any materials other than those included in this report are discovered which will be disturbed during the modernization, it must be assumed that those materials contain asbestos and the project should then be halted and re-evaluated.

BULK SAMPLES

HMS, Inc. collected Thirty two (32) bulk samples of suspect materials identified at the site. See the attached appendices and laboratory reports for specific analysis information.

Hazard Management Services

US EPA, Cal/OSHA, & CSLB COMPLIANCE

US EPA
The US EPA NESHAP (40 CFR Part 61 - Nov. 20, 1990) requires materials containing greater than one percent asbestos be removed prior to renovation or demolition of a regulated building, if those materials are friable or likely to become friable due to the forces expected to act upon them during renovation or demolition. In California there are "delegated" counties which enforce the NESHAP regulations, and may have regulations more restrictive than the US EPA.

A 10 day waiting period is also required following demolition notification to the US EPA, regardless of the presence or absence of asbestos.

Cal/OSHA
Cal/OSHA worker health and safety regulations apply during any disturbance of ACM by a person while in the employ of another. This is true **regardless of friability or quantity disturbed**. If there is greater than 100 square feet of asbestos which will be affected by the demolition/renovation, a California Licensed Contractor who is registered with Cal/OSHA for asbestos is required. The regulations regarding asbestos are found in Title 8 CCR Section 1529, and also include formal notification requirements to Cal/OSHA at least 24 hours prior to removal.

Contractors State Licensing Board (CSLB)
Pursuant to current CSLB requirements, remediation contractors must carry each specific trade classification license for the materials and systems they will disturb, or carry the B General Contractor's license if they will disturb two or more trade areas. CSLB Asbestos certification is also required with either of these two options. The CSLB has recently added a third license option: effective January 1, 2015, contractors may obtain the C-22 asbestos abatement trade license in lieu of the former options. The C-22 license is an additional option for contractor compliance - it does not replace the previous framework. As noted above, DOSH registration for asbestos related work is required along with any of the CSLB licensing options.

DISCLAIMERS
The nature of renovation is such that materials can be uncovered which previously were unknown to exist. Therefore, HMS, Inc. cannot be responsible for "hidden materials", although every effort was made during the inspection to detect all suspect materials. If any materials other than those included herein are discovered during renovation or demolition, it must be assumed that the materials are asbestos-containing, and the project should then be halted and re-evaluated.

If you have any questions regarding this report, please contact our Fresno office at (559) 436-0277.

Sincerely,

Fred Tarazon
Project Manager

Reviewed by: Harry Stevens, CAC 95-1624
General Manager

Hazard Management Services

APPENDIX A

LIMITED ASBESTOS SURVEY FOR ROOF UPGRADE
ALPHA ELEMENTARY SCHOOL

Survey Date: December 14, 2015

BUILDING DESCRIPTION

At Alpha Elementary School, the roofs on buildings A, B, C, and D are asphalt shingles with felt, With Rolled Composition roofing with felt within the Parapet . Grey and black penetrations mastics and sealants were used sporadically on these roofs. See attached map for building designations

BULK SAMPLE RESULTS

The following suspect materials were identified, and bulk samples were collected for laboratory analysis. Samples collected are only representative of materials found on the roof locations on this building.

Rolled Composition Roofing with felt
Shingled Roofing felt and tar
Roof Sealants (Grey)
Roof Mastic (Black)

Samples were analyzed using polarized light microscopy (PLM) with dispersion staining to estimate the percent of asbestos.

RESULTS - No asbestos was detected in materials sampled from this structure.

If any materials that are not listed above are discovered and may be disturbed during planned work, those materials must be assumed to contain asbestos or sampled and analyzed to determine asbestos content and handled accordingly.

Please include this report with your AHERA documentation for this school, and for use in permitting from the San Joaquin Valley Air Pollution Control District.

Written by: Fred Tarazon, Project Manager

Reviewed by: Harry Stevens, General Manager

BULK MATERIAL Analysis Request Form for Hazard Management Services, Inc.

P.O. BOX 576848
MODESTO, CA 95357-6848
(209) 551-2000
FAX (209) 551-2005

371 E. BULLARD AVE. STE 109
FRESNO, CA 93710
(559) 436-0277
FAX (559) 436-0279

2124 F STREET, #C
BAKERSFIELD, CA 93301
(661) 636-0351
FAX (661) 636-0361

☐ ☒ ☐

Date: December 14, 2015

Special Instructions:

Collected By: Fred Tarazon

Date Collected: December 14, 2015

Job I.D.: F15184 Madera Unified SD

Job Site: Alpha Elementary School

Contact: Fred Tarazon

Bill: HMS, Inc. (1636)

Analysis Requested:

X **PLM with Dispersion Staining**

___ 2 hr. X 24 hr. ___ 48 hr. ___ Extended

___ **AA Flame**

___ **TEM Bulk (5 Day)**

Laboratory: FALI

EMAIL RESULTS TO: Ftarazon@hazmanage.com, dspyle@hazmanage.com

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
HMS MUSD AES F15184 01A		ROOF SHINGLE BUILDING D, MAIN ROOF AT SOUTHWEST CORNER
HMS MUSD AES F15184 01B		ROOF SHINGLE BUILDING D, MAIN ROOF, CENTERLINE AT SOUTH END
HMS MUSD AES F15184 01C		ROOF SHINGLE BUILDING D, MAIN ROOF, AT NORTHEAST CORNER
HMS MUSD AES F15184 02A		ROLLED COMPOSITION ROOF BLDG D, PARAPET ROOF N/S E OF CENTER AT HVAC No. 627-196
HMS MUSD AES F15184 02B		ROLLED COMPOSITION ROOF BLDG D, PARAPET ROOF, SOUTH OF HVAC No. 627-199
HMS MUSD AES F15184 03A		MASTIC BLACK AT HVAC BASE BLDG D, PARAPET WELL, CENTER AT HVAC No. 627-199
HMS MUSD AES F15184 04A		SEALANT GREY AT HVAC FLANG BLDG D, PARAPET WELL, HVAC CENTER AT LOWER FLANG 627-199
HMS MUSD AES F15184 05A		MASTIC , BLACK AT SKYLITE BUILDING D, PARAPET WELL, SOUTH SIDE WEST SIDE OF SKYLIGHT
HMS MUSD AES F15184 06A		SEALANT, GREY AT GAS LINE (MAIN) BUILDING D, PARAPET WELL, MAIN GAS LINE, CENTER AT GASE SHUT OFF VALVE
HMS MUSD AES F15184 07A		SEALANT, GREY AT ELECTRICAL BOX BASE BUILDING D, PARAPET WELL, CENTER AT HVAC 627-199

Submitted By: Harry Stevens **Date:** December 14, 2015

Received By: **Date:**

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BULK MATERIAL Analysis Request Form for Hazard Management Services, Inc.

P.O. BOX 576848
MODESTO, CA 95357-6848
(209) 551-2000
FAX (209) 551-2005

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(559) 436-0277
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☐ ☒ ☐

Date: December 14, 2015

Special Instructions:

Collected By: Fred Tarazon

Date Collected: December 14, 2015

Job I.D.: F15184 Madera Unified SD

Job Site: Alpha Elementary School

Contact: Fred Tarazon

Bill: HMS, Inc. (1636)

Analysis Requested:

X **PLM with Dispersion Staining**

__ 2 hr. X 24 hr. __ 48 hr. __ Extended

__ **AA Flame**

__ **TEM Bulk (5 Day)**

Laboratory: FALI

EMAIL RESULTS TO: ftarazon@hazmanage.com, dspyle@hazmanage.com

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
HMS MUSD AES F15184 08A		SEALANT, CLEAR, AT REFRIDGE BASE
		BUILDING D, PARAPET WELL, NORTH SIDE CENTER AT REFRIDGE UNIT BASE
HMS MUSD AES F15184 09A		MASTIC, BLACK, AT VENT PIPE
		BUILDING D, PARAPET WELL, CENTER, WEST SIDE
HMS MUSD AES F15184 10A		SEALANT, GREY AT SKYLIGHT
		BUILDING D, PARAPET WALL, SOUTH SIDE AT SKYLIGHT
HMS MUSD AES F15184 11A		ROOF SHINGLE
		BUILDING C, MAIN ROOF AT SOUTHEAST CORNER
HMS MUSD AES F15184 11B		ROOF SHINGLE
		BUILDING C, MAIN ROOF SOUTH SIDE, WEST FO CENTER BY PARAPET
HMS MUSD AES F15184 11C		ROOF SHINGLE
		BUILDING C, MAIN ROOF, WEST SIDE, SOUTH OF CENTER
HMS MUSD AES F15184 12A		MASTIC, BLACK
		BUILDING C, MAIN ROOF, SOUTH SIDE WEST OF CENTER AT VENT
HMS MUSD AES F15184 13A		BUILT UP ROOFING , CAP SHEET
		BUILDING C, PARAPET, SOUTHWEST CORNER
HMS MUSD AES F15184 13B		BUILT UP ROOFING , CAP SHEET
		BUILDING C, PARAPET, EAST SIDE, NORTH OF CENTER
HMS MUSD AES F15184 14A		SEALANT, GREY, AT VENT PIPE
		BUILDING C, PARAPET, SOUTH SIDE CENTER
HMS MUSD AES F15184 15A		ROOF SHINGLE
		BUILDIG B, MAIN ROOF, WEST SIDE, NORTH OF CENTER

Submitted By: Harry Stevens **Date:** December 14, 2015

Received By: **Date:**

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BULK MATERIAL Analysis Request Form for Hazard Management Services, Inc.

P.O. BOX 576848
MODESTO, CA 95357-6848
(209) 551-2000
FAX (209) 551-2005

371 E. BULLARD AVE. STE 109
FRESNO, CA 93710
(559) 436-0277
FAX (559) 436-0279

2124 F STREET, #C
BAKERSFIELD, CA 93301
(661) 636-0351
FAX (661) 636-0361

☐ ☒ ☐

Date: December 14, 2015

Special Instructions:

Collected By: Fred Tarazon

Date Collected: December 14, 2015

Job I.D.: F15184 Madera Unified SD

Job Site: Alpha Elementary School

Contact: Fred Tarazon

Bill: HMS, Inc. (1636)

Analysis Requested:

x **PLM with Dispersion Staining**

___ 2 hr. X 24 hr. ___ 48 hr. ___ Extended

___ **AA Flame**

___ **TEM Bulk (5 Day)**

Laboratory: FALI

EMAIL RESULTS TO: Ftarazon@hazmanage.com, dspyle@hazmanage.com

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
HMS MUSD AES F15184 15B		ROOF SHINGLE BUILDING B, MAIN ROOF, SOUTH SIDE CENTER
HMS MUSD AES F15184 15C		ROOF SHINGLE BUILDING B, MAIN ROOF, EAST SIDE, NORTH OF CENTER
HMS MUSD AES F15184 16A		REPAIR MASTIC, BLACK BUILDING B, PARAPET AT FRAME POST, NW CORNER OF FRAME
HMS MUSD AES F15184 17A		BUILT UP ROOFING, CAP BUILDING B, PARAPET, NORTH SIDE CENTER BY CENT
HMS MUSD AES F15184 17B		BUILT UP ROOFING . CAP BUILDING B, PARAPET, CENTER AT EAST END
HMS MUSD AES F15184 18A		REPAIR MASTIC, BLACK BUILDING B, PARAPET, EAST SIE CENTER AT EDGE OF CAP SHEET TO SHINGLED ROOF
HMS MUSD AES F15184 19A		ROOF SHINGLE BUILDING A, MAIN ROOF, WEST SIDE, NORTH END NEAR EDGE
HMS MUSD AES F15184 19B		ROOF SHINGLE BUILDING, MAIN ROOF, NORTHEAST CORNER
HMS MUSD AES F15184 19C		ROOF SHINGLE BUILDING A, MAIN ROOF SOUTH SIDE AT EAST END
HMS MUSD AES F15184 20A		BUILT UP ROOFING CAP BUILDING A, PARAPET, EAST SIDE AT SOUTH END
HMS MUSD AES F15184 20B		BUILT UP ROOFING CAP BUILDING A, PARAPET, WEST SIDE, NORTH OF CENTER

Submitted By: Harry Stevens **Date:** December 14, 2015

Received By: **Date:**

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Forensic Analytical Laboratories

Final Report

Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Hazard Mgmt. Services
Haecy Stevens
Fresno Location
371 E. Bullard Ave., Ste. 109
Fresno, CA 93710

Client ID: 1636
Report Number: B214418
Date Received: 12/17/15
Date Analyzed: 12/18/15
Date Printed: 12/18/15
First Reported: 12/18/15

Job ID/Site: F15184 - Madera Unified SD, Alpha Elementary School

Date(s) Collected: 12/14/2015

FALI Job ID: 1636
Total Samples Submitted: 32
Total Samples Analyzed: 32

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
HMS-MUSD-AES-F15184-01A	11714287						
Layer: Black Roof Shingle			**ND**				
Layer: Black Felt			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (55 %) Fibrous Glass (10 %)							
HMS-MUSD-AES-F15184-01B	11714288						
Layer: Black Roof Shingle			**ND**				
Layer: Black Felt			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (55 %) Fibrous Glass (10 %)							
HMS-MUSD-AES-F15184-01C	11714289						
Layer: Black Roof Shingle			**ND**				
Layer: Black Felt			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (55 %) Fibrous Glass (10 %)							
HMS-MUSD-AES-F15184-02A	11714290						
Layer: Stones			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (40 %) Fibrous Glass (35 %)							
HMS-MUSD-AES-F15184-02B	11714291						
Layer: Stones			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (40 %) Fibrous Glass (35 %)							
HMS-MUSD-AES-F15184-03A	11714292						
Layer: Black Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							

3777 Depot Road, Suite 409, Hayward, CA 94545 / Telephone: (510) 887-8828 (800) 827-FASI / Fax: (510) 887-4218

Client Name: Hazard Mgmt. Services

Report Number: B214418
Date Printed: 12/18/15

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
HMS-MUSD-AES-F15184-04A	11714293						
Layer: Grey Putty			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							
HMS-MUSD-AES-F15184-05A	11714294						
Layer: Black Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							
HMS-MUSD-AES-F15184-06A	11714295						
Layer: Black Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							
HMS-MUSD-AES-F15184-07A	11714296						
Layer: Black Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							
HMS-MUSD-AES-F15184-08A	11714297						
Layer: Clear Putty			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							
HMS-MUSD-AES-F15184-09A	11714298						
Layer: Black Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							
HMS-MUSD-AES-F15184-10A	11714299						
Layer: Grey Putty			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							
HMS-MUSD-AES-F15184-11A	11714300						
Layer: Black Roof Shingle			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (55 %) Fibrous Glass (10 %)							
HMS-MUSD-AES-F15184-11B	11714301						
Layer: Black Roof Shingle			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (55 %) Fibrous Glass (10 %)							

3777 Depot Road, Suite 409, Hayward, CA 94545 / Telephone: (510) 887-8828 (800) 827-FASI / Fax: (510) 887-4218

Client Name: Hazard Mgmt. Services

Report Number: B214418
Date Printed: 12/18/15

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
HMS-MUSD-AES-F15184-11C	11714302						
Layer: Black Roof Shingle			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (55 %) Fibrous Glass (10 %)							
HMS-MUSD-AES-F15184-12A	11714303						
Layer: Black Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							
HMS-MUSD-AES-F15184-13A	11714304						
Layer: Stones			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (40 %) Fibrous Glass (35 %)							
HMS-MUSD-AES-F15184-13B	11714305						
Layer: Stones			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (40 %) Fibrous Glass (35 %)							
HMS-MUSD-AES-F15184-14A	11714306						
Layer: Grey Putty			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							
HMS-MUSD-AES-F15184-15A	11714307						
Layer: Black Roof Shingle			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (55 %) Fibrous Glass (10 %)							
HMS-MUSD-AES-F15184-15B	11714308						
Layer: Black Roof Shingle			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (55 %) Fibrous Glass (10 %)							

3777 Depot Road, Suite 409, Hayward, CA 94545 / Telephone: (510) 887-8828 (800) 827-FASI / Fax: (510) 887-4218

Client Name: Hazard Mgmt. Services

Report Number: B214418
Date Printed: 12/18/15

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
HMS-MUSD-AES-F15184-15C	11714309						
Layer: Black Roof Shingle			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (55 %) Fibrous Glass (10 %)							
HMS-MUSD-AES-F15184-16A	11714310						
Layer: Black Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							
HMS-MUSD-AES-F15184-17A	11714311						
Layer: Stones			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (40 %) Fibrous Glass (35 %)							
HMS-MUSD-AES-F15184-17B	11714312						
Layer: Stones			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (40 %) Fibrous Glass (35 %)							
HMS-MUSD-AES-F15184-18A	11714313						
Layer: Black Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							
HMS-MUSD-AES-F15184-19A	11714314						
Layer: Black Roof Shingle			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (55 %) Fibrous Glass (10 %)							
HMS-MUSD-AES-F15184-19B	11714315						
Layer: Black Roof Shingle			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (55 %) Fibrous Glass (10 %)							
HMS-MUSD-AES-F15184-19C	11714316						
Layer: Black Roof Shingle			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (55 %) Fibrous Glass (10 %)							

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Client Name: Hazard Mgmt. Services

Report Number: B214418
Date Printed: 12/18/15

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
HMS-MUSD-AES-F15184-20A	11714317						
Layer: Stones			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (40 %) Fibrous Glass (35 %)							
HMS-MUSD-AES-F15184-20B	11714318						
Layer: Stones			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (40 %) Fibrous Glass (35 %)							

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

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

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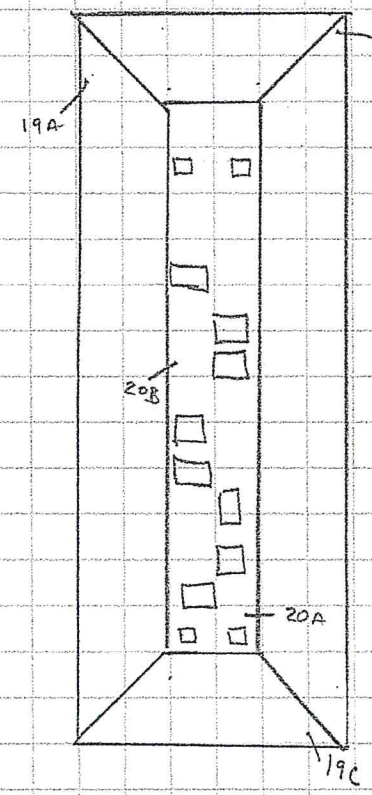
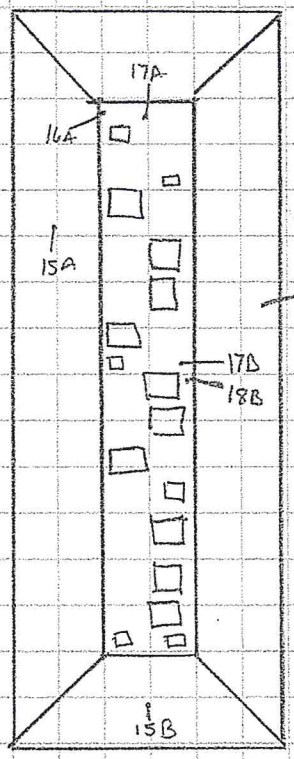


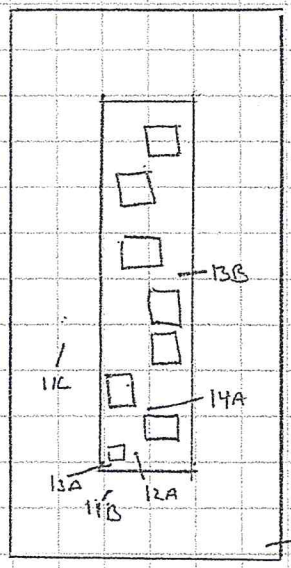
BLDG A

N

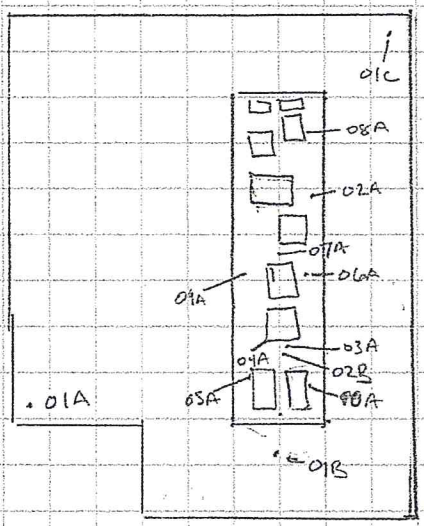


BLDG B

ALPHA ELEMENTARY SCHOOL



BLDG C



BLDG D

N