

ITB 012-2021

Asbestos Abatement of Holloman  
Elementary School

## Index to Bidding and Contract Requirements

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**INVITATION TO BID  
CONSTRUCTION  
CONTRACT**

BID NUMBER: <u>012-2021</u>
<b>Sealed bid opening date:</b> <u>October 8, 2020 @ 3:00 pm</u> Alamogordo Public Schools
PROJECT: ASBESTOS ABATEMENT OF HOLLOMAN INTERMEDIATE SCHOOL
DISTRICT PROJECT NO.: 012-2021
<b>PSFA PROJECT NO.: P19-001</b>
PSFA FUNDING: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<b>DESIGN PROFESSIONAL OF RECORD:</b> N/A
<b>BID OPENING ADDRESS:</b> ALAMOGORDO PUBLIC SCHOOLS 1211 HAWAII AVE. ALMOGORDO, NM 88310 Telephone: (575) 812-6044 Fax: (575) 812-6049

**OWNER:**  
**Alamogordo Public Schools**  
**1211 Hawaii Ave.**  
**Alamogordo, NM 88310**  
**(575) 812-6044**

**DATE:** September 28, 2020

Marie Bouma  
Chief Procurement Officer  
(575) 812-6044  
marie.bouma@alamogordoschools.org

**IMPORTANT: BIDS MUST BE SUBMITTED IN A SEALED ENVELOPE WITH THE BID NUMBER AND OPENING DATE CLEARLY INDICATED ON THE BOTTOM LEFT HAND SIDE OF THE FRONT OF THE ENVELOPE.**

SEALED BIDS WILL BE RECEIVED AT THE ABOVE SPECIFIED DATE, LOCAL TIME AND ADDRESS THEN PUBLICLY OPENED AT THE ABOVE SPECIFIED

ADDRESS AND READ ALOUD. BIDS NOT RECEIVED BY THE ABOVE SPECIFIED DATE, LOCAL TIME AND AT THE LISTED ADDRESS PRIOR TO BID TIME, WILL NOT BE OPENED OR CONSIDERED. DELIVERY IS SOLELY THE RESPONSIBILITY OF THE BIDDER.

THIS BID IS SUBJECT TO THE REQUIREMENTS OF THE BIDDING DOCUMENTS AS DEFINED IN THE "INSTRUCTIONS TO BIDDERS," SECTION 00100.

THE BID PROPOSAL FORM MUST BE ACCOMPANIED BY A SURETY BOND, SUBCONTRACTOR LISTING FORM, AND DOCUMENTS SPECIFIED IN THE "INSTRUCTIONS TO BIDDERS."

IF PUBLIC SCHOOL CAPITAL OUTLAY COUNCIL – PUBLIC SCHOOL FACILITIES AUTHORITY (PSFA) HAS FUNDED THIS PROJECT IN WHOLE OR IN PART, OWNER, REFERRED TO THROUGHOUT THE CONTRACT DOCUMENTS, TO BE BOTH THE SCHOOL DISTRICT AND THE PSFA AS IF SINGULAR IN NUMBER

**This mailing contains three pages**

## INVITATION TO BID page 2

Bidding Documents can be referenced on attached Asbestos Inspection Report prepared by Havona Environmental consulting and Testing.

Bids shall be presented in the form of a total Base Bid proposal under a Lump Sum Contract plus any additive or deductive alternates that are selected by the Owner. A bid must be submitted on all bid items and alternates; segregated bids will not be accepted. Plans and specifications are available from the Owner.

**NOTE:** Base Bid price shall not include state gross receipts or local options taxes. Taxes will be included in the Contracted Amount at prevailing rates as a separate item to be paid by Owner.

In submitting this bid, each Bidder must satisfy all terms and conditions of the Bidding Documents. All work covered by this Invitation to Bid shall be in accordance with applicable state laws and, if bid amount is \$60,000 or more, is subject to the minimum wage rate determination issued by the office of the Labor Commissioner for this project. If the bid amount of the contractor or any subcontractor exceeds \$50,000, the contractor and/or subcontractor must comply with the registration requirements pursuant to the Public Works Minimum Wage Act.



## INVITATION TO BID page 3

Bid Security, if bid greater than \$25,000, in the form of a surety bond executed by a surety company authorized to do business in the State of New Mexico in the amount of **5%** of the total bid, or the equivalent in cash by means of a cashier's check or in a form satisfactory to the Owner, must accompany each bid in accordance with the Instructions to Bidders.

A 100% Performance Bond and a 100% Payment and Materials Bond executed by a surety company authorized to do business in the State of New Mexico shall be required from the successful Bidder prior to award of contract.

A completed Subcontractor Listing Form must accompany each bid.

Each subcontractor shall provide a performance and payment bond on a public works building project if the subcontractor's contract (to the Contractor) for work to be performed on a project is one hundred twenty-five thousand dollars (\$125,000) or more. Failure of a Subcontractor to provide required bond shall not subject the Owner to any increase in cost due to approved substitution of Subcontractor.

The Bidding Documents contain a time for completion of the work and further impose liquidated damages for failure to complete the work within that time period.

No Bidder may withdraw his bid for **45 days** after the actual date of the opening thereof.

The Owner intends to award this Project to the lowest responsible Bidder. The Owner reserves the right to reject any and all bids, to waive technical irregularities, and to award the contract to the Bidder whose bid it deems to be in the best interest of the Owner.

Attention of the Bidder is particularly directed to the current requirements as to Resident Contractor's Preference per Section 13-4-3 NMSA 1978. The provisions of Sections 13-4-1 through 13-4-4 NMSA 1978 are not applicable to projects receiving Federal aid or when the expenditure of Federal funds designated for a specific contract is involved.

Requests for approval of substitutions for "or equal" material or equipment, if allowed by the contract documents, must include a detailed itemized comparison of the proposed substitution with the specified product and be submitted at least 10 days prior to the bid date in accordance with Paragraph 3.3 of the Instructions to Bidders.

END OF INVITATION TO BID

# INSTRUCTIONS TO BIDDERS

## Section 00 2113

### 1.0 DEFINITIONS AND TERMS

1.1 Terms used in these Bidding Documents which are defined in the Instructions to Bidders and in the Conditions of the Contract for Construction (General, Supplementary, and Other Conditions) have the meanings assigned to them in those documents.

- A. ADDENDUM:** A written or graphic instrument issued prior to the opening of Bids which clarifies, corrects, or changes the Bidding Documents or Contract Documents. Plural: addenda.
- B. ALTERNATE BID:** If requested by the Bidding Documents, the Amount to be added to the Base Bid if the corresponding change in the project scope, materials, and/or methods of construction is awarded by the Owner.
- C. BASE BID:** Amount stated in the Bid as the sum for which the Bidder offers to perform the work, excluding alternate Bids.
- D. BID:** The offer of the bidder submitted on the prescribed form setting forth the prices for the work to be performed in conformance with the Bidding Documents.
- E. BID LOT:** A major item of work for which a separate quotation or proposal is requested.
- F. BIDDER:** One who submits a Bid directly to the Owner, as distinct from a subcontractor who submits a bid to a contractor.
- G. BIDDING DOCUMENTS:** The Bidding Requirements and the Contract Documents.
- H. BID FORM:** A form which includes a specific space in which the bid price shall be inserted and which the Bidder shall sign and submit along with all other necessary submissions. A Bidder may submit a reasonable facsimile of the Bid Form. .Bids received by facsimile or in electronic format will not be accepted.
- I. BIDDING REQUIREMENTS:** Notice of Invitation to Bid, Prebid Information, Instructions to Bidders, Information Available for Bidders, the Bid Form, Supplements to the Bid Form, and portions of Addenda relating to any of these.
- J. DAY:** Day shall mean calendar day unless defined otherwise.
- K. INVITATION FOR BID:** All documents including those attached or incorporated by reference or utilized for soliciting sealed bids.
- L. RESPONSIBLE BIDDER:** A Bidder who is properly licensed in accordance with the Construction Industries Licensing Act and submits a Responsive Bid and who has furnished, when required, information and data to prove that his financial resources, production or service facilities, personnel, service reputation, and experience are adequate to make satisfactory delivery of the services, construction, or items of tangible personal property described in the Invitation for Bid.
- M. RESPONSIVE BID:** A bid which conforms in all material respects to the requirements set forth in the Invitation for Bid.
- N. SUCCESSFUL BIDDER:** The lowest Responsible Bidder to whom the Owner, on the basis of the Owner's evaluation, makes an award. A Successful Bidder does not become the contractor until an agreement with the Owner is signed.

### 2.0 EXAMINATION OF BIDDING DOCUMENTS AND SITE

2.1 Before submitting a Bid, each Bidder must, in accordance with the General Conditions with special attention to Article's 1 and 3.:

- A.** Examine the Bidding Documents thoroughly;
- B.** Visit the site to familiarize himself with local conditions that may in any manner affects-cost, progress, or performance;
- C.** Familiarize himself with Federal, State, and local laws, ordinances, rules, and regulations that may in any manner affect cost, progress, or performance of the Work; and
- D.** Study and carefully correlate the Bidder's observations with the Bidding Documents.

**2.2** On request, the Owner will provide each Bidder access to the site to conduct such investigations and tests as each Bidder deems necessary for submission of his Bid.

**2.3** The lands upon which the Work is to be performed, rights-of-way for access thereto, and other lands designated for use by the Contractor in performing the work are identified in the Bidding Documents.

**2.4** The submission of a Bid will constitute an incontrovertible representation by the Bidder that he has complied with every requirement of this Section and that the Bidding Documents are sufficient in scope and detail to indicate and convey understanding of all terms and conditions for performance of the Work.

### **3.0 BIDDING DOCUMENTS**

#### **3.1 COPIES OF BIDDING DOCUMENTS**

**3.1.1** Complete sets of the Bidding Documents in the number and for the deposit sum, if any, stated in the Invitation may be obtained from the Owner (unless another issuing office is designated in the Invitation for Bid). The deposit will be refunded to Bidders who submit a bona-fide bid and return the bidding Documents in good and complete condition within fifteen (15) calendar days after opening of Bids.

**3.1.2** Complete sets of Bidding Documents shall be used in preparing bids; the Owner does not assume responsibility for errors or misinterpretations resulting from the use of incomplete or partial Bidding Documents.

**3.1.3** The Owner in making copies of Bidding Documents available on the above terms, do so only for the purpose of obtaining Bids on the Work and do not confer a license or grant for any other use.

#### **3.2 INTERPRETATIONS**

**3.2.1** All questions about the meaning or intent of the Bidding Documents shall be submitted to the Owner in writing. Replies will be issued by Addenda and mailed or delivered to all parties recorded by the Owner as having received the Bidding Documents. **Questions received less than seven (7) days prior to the date for opening of Bids will not be formally answered.** Only questions answered by formal written Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.

**3.2.2** Bidders and Subcontractors shall promptly notify the Owner of any ambiguity, inconsistency, or error which they may discover upon examination of the Bidding Documents or of the site and local conditions.

#### **3.3 SUBSTITUTE MATERIAL AND EQUIPMENT**

The contract, if awarded, will be on the basis of material and equipment described in the Drawings or specified in the Specifications without consideration of possible substitute or "or-equal" items. Whenever it is indicated in the Drawings or specified in the Specifications that a substitute or "or-equal" item of material or equipment may be furnished or used by the contractor if acceptable to the Owner, application for such acceptance will not be considered by the Owner unless submitted to the Owner with a detailed itemized comparison of the proposed substitution against the specified product at least **ten (10) days prior to the date for opening Bids**. Any product with a 5 (five) year or greater extended warranty must be submitted no less than **forty-five (45) days prior to the opening of Bids, along with the same itemized comparison, to be considered by the Owner**. Any allowance of substitutions will be published to all prospective Bidders via addendum. The procedure for submittal of any such application by the Contractor and consideration by the Owner is set forth in the Contract Documents.

### **3.4 ADDENDA**

**3.4.1** Addenda will be mailed or delivered to all who are known by the Owner to have received a complete set of Bidding Documents.

**3.4.2** Copies of Addenda will be made available for inspection wherever Bidding Documents are on file for that purpose.

**3.4.3** Addenda will be issued no later than four (4) days prior to the date for receipt of Bids, except an addendum withdrawing the request for bids or one which includes postponement of the date for receipt of Bids.

### **4.0 BIDDING PROCEDURES**

#### **4.1 FORM AND STYLE OF BIDS**

**4.1.1** Bids shall be submitted on forms identical to the form included with the Bidding Documents.

**4.1.2** All blanks on the Bid Form shall be filled in by typewriter or manually in ink.

**4.1.3** Where so indicated by the makeup of the Bid Form, sums shall be expressed in both words and figures, and, in case of discrepancy between the two, the amount written in words shall govern.

**4.1.4** Any interlineation, alteration, or erasure must be initialed by the signer of the bid.

**4.1.5** All requested Additive Alternate Bids shall be bid. If no change in the Base Bid is required, enter "No Change." Deductive Alternates shall not be used.

**4.1.6** Where there are two or more major items of work (identified as "Bid Lots") for which separate quotations are requested, the Bidder may, at his discretion, submit quotations for any or all items, unless otherwise specified. Additionally, the Bidder may submit a lump sum price for all lots for which the Bidder has submitted separate quotations.

**4.1.7** Each copy of the bid shall include the complete name of the Bidder and a statement that the Bidder is a sole proprietor, a partnership, a corporation, or some other legal entity. Each copy shall be signed by the person or persons legally authorized to bind the Bidder to a contract. A Bid by a corporation shall further give the State of incorporation and have the applicable New Mexico Certificate of Incorporation number or Certificate of Authority number. The Bid shall include the current contractor's license number and type, Department of Workforce Solutions Minimum Wage Act registration number (DWS#), and the current Contractor's preference number. A bid submitted by an agent shall have a current Power of Attorney attached certifying the agent's authority to bind the Bidder.

**4.1.8** The Bid shall contain an acknowledgment of receipt of all Addenda (the numbers of which shall be filled in on the Bid Form).

**4.1.9** The address to which communications regarding the Bid are to be directed must be shown.

**4.1.10** The Project Name and Number, as well as the Invitation to Bid Number, shall be clearly shown on the outside of the envelope in which the sealed Bid is submitted.

#### **4.2 BID SECURITY**

**4.2.1** Bid security in an amount equal to at least five percent (5%) of the amount of the Bid shall be a bond provided by a surety company authorized to do business in this State, or the equivalent in cash, a cashier's check, or otherwise supplied in a form satisfactory to the Owner (Section 13-1-146, NMSA 1978) and approved in writing by the Owner in advance. All General Contractor, or Primary Contractor, or Construction Manager at Risk Bonds shall be executed by such sureties as are named in the current list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies," as published in Circular 570 (amended) by the Audit Staff Bureau of Accounts, United States Treasury Department.

**4.2.2** The bid security shall be in the amount of five percent (5%) of the highest Bid amount submitted, unless otherwise stipulated, pledging that the Bidder will enter into a Contract with the Owner on the terms stated herein and will furnish bonds covering the faithful performance of the Contract and payment of all obligations arising there under. Should the Bidder refuse to enter into such Contract or fail to furnish such bonds, the amount of the bid security shall be forfeited to the Owner as liquidated damages, not as a penalty.

**4.2.3** The Owner will have the right to retain the bid security of Bidders to whom an award is being considered until:

- A. the Contract has been executed and bonds have been furnished,
- B. the specified time has elapsed so that Bids may be withdrawn, or
- C. all Bids have been rejected.

**4.2.4** When the Bidding Documents require bid security, noncompliance by the Bidder requires that the Bid be rejected (13-1-147A, NMSA 1978).

**4.2.5** If a Bidder is permitted to withdraw his Bid before award, no action shall take place against the Bidder or the bid security (13-1-147B, NMSA 1978).

**4.2.6** The Owner may reduce bid security requirements authorized by the Procurement Code (13-1-28 to 13-1-199, NMSA 1978) to encourage procurement from small businesses. Reduction, if any, and the manner thereof will be stipulated in Paragraph 7. Reduction of the amount of bid security, if any, shall in no way reduce requirements for Performance, Payment, or other Bonds referenced in the Bidding Documents.

### **4.3 RESIDENT OR VETERAN CONTRACTOR'S PREFERENCE**

**4.3.1** When Bids are received from nonresident contractors and resident or veteran contractors and the lowest responsible Bid is from a nonresident contractor, the contract shall be awarded to the resident or veteran contractor whose Bid is nearest to the bid price of the otherwise low nonresident contractor if the Bid price of the resident or veteran contractor is made lower than the Bid price of

the nonresident contractor when multiplied by the appropriate factor as established by the NM Taxation and Revenue Department.

**4.3.2** No contractor shall be treated as a resident or veteran contractor in the awarding of public works contracts by the Owner unless the contractor has qualified with the NM Taxation & Revenue Department as a resident or veteran contractor pursuant to this section by making application to the NM Taxation & Revenue Department and receiving a certification number. Previous certification as a resident or veteran contractor by the NM General Services Department is valid until January 1, 2012. For convenience, and without warranty that the process is current, the procedure for application and certification is as follows:

- A.** The contractor seeking to qualify as a resident or veteran contractor shall complete the application form and submit it to the NM Taxation & Revenue Department) prior to the submission of a Bid on which the contractor desires to be given a preference (see Pages 00000-2 thru 00000-6);
- B.** The NM Taxation & Revenue Department shall examine the application and, if necessary, may seek additional information or proof so as to be assured that the Prospective Contractor is indeed entitled to certification as a resident or veteran contractor pursuant to Section 13-1-22, NMSA 1978. If the application is in proper form, the NM Taxation & Revenue Department shall issue the contractor a distinctive certification number, which is valid for three years from the date of issuance and which, when used on Bids and other purchasing documents for State agencies or local public bodies, entitles the contractor to treatment as a resident or veteran contractor under Subparagraph 4.4.1 of this section; and
- C.** The certification number issued pursuant to Subparagraph B of this section may be revoked by the NM Taxation & Revenue Department by making a determination that the contractor no longer meets the requirements of a resident or veteran contractor as defined in Section 13-1-22, NMSA 1978.

#### **4.5 SUBCONTRACTORS**

**4.5.1** The bidder shall list the Subcontractors he proposes to use for all trades or items on the Subcontractor Listing Form attached to the Bidding Documents. This requirement does not apply to second tier subcontractors, material suppliers, or subcontractors whose contract is for an amount no greater than the listing threshold described by Subsection A of 13-4-34 below. Requirements for Subcontractors pursuant to Chapter 18, Laws of 1988, 2nd Session; are as follows:

#### **AN ACT**

**RELATING TO CONSTRUCTION INDUSTRIES; ENACTING THE SUBCONTRACTOR FAIR PRACTICES ACT.**

**BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF NEW MEXICO:**

#### **13-4-31 SHORT TITLE**

Section 1 through 12 of this act may be cited as the "Subcontractors Fair Practices Act".

#### **13-4-32 LEGISLATIVE FINDINGS**

The legislature finds that the practices of bid shopping and bid peddling in connection with the construction, alteration and repair of public works projects often result in poor quality of material and workmanship to the detriment of the public, deprive the public of the full benefits of fair competition among contractors and subcontractors and lead to insolvencies and loss of wages to employees.

#### **13-4-33 DEFINITIONS**

As used in the Subcontractors Fair Practices Act:

- A. "contractor" means the prime contractor on a public works construction project who contracts directly with the using agency;
- B. "subcontractor" means a contractor who contracts directly with the contractor;
- C. "listing threshold" means the dollar amount, stipulated in the bidding documents, above which subcontractors must be listed;
- D. "notice" means information, advice or a written warning intended to apprise a contractor, subcontractor or using agency of some proceeding in which the contractor's, subcontractor's or using agency's interests are involved or to inform him of some fact that is his right to know. Notice may be sent to a contractor, subcontractor or using agency by certified or registered mail and shall be deemed to be completed upon date of mailing; and
- E. "using agency" means any state agency or local public body requiring services or construction.
- (F.) (added for clarity from 13-4-13.1)** "listed subcontractor" means a subcontractor who is currently registered with the labor and industrial commission.

#### **13-4-34 LISTING OF SUBCONTRACTORS; REQUIREMENTS**

- A. Any using agency taking bids for any public works construction project shall provide in the bidding documents prepared for that project a listing threshold which shall be five thousand dollars (\$5,000) or one-half of one percent of the architect's or engineer's estimate of the total project cost, not including alternates, whichever is greater. If the bidding documents do not include a listing threshold, then the using agency shall supply the listing threshold. If the listing threshold has not been included, the bid opening shall be postponed until the using agency has complied with this section. Any contractor or subcontractor interested in bidding may apply to the district court in the county in which the project will be located for an injunction preventing the bid opening until the using agency has complied with this section. Any person submitting a bid shall in his bid set forth:
  - (1) the name and the city or county of the place of business of each subcontractor under subcontract to the contractor who will perform work or labor or render service to the contractor in or about the construction of the public works construction project in an amount in excess of the listing threshold; and
  - (2) the category of the work that will be done by each subcontractor. The contractor shall list only one subcontractor for each category as defined by the contractor in his bid.
- B. A bid submitted by a contractor who fails to comply with the provisions of Subsection A of this section is a non-responsive bid which shall not be accepted by a using agency.

#### **13-4-35 EXEMPTION**

With the exclusion of that portion of work covering street lighting and traffic signals, the Subcontractors Fair Practices Act shall not apply to contracts for the construction, improvement or repair of streets or highways, including bridges, underground utilities within easements including but not limited to water lines, sewer lines and storm sewer lines.

#### **13-4-35.1 APPLICATION OF ACT**

The Subcontractors Fair Practices Act shall not apply to any transaction occurring after the contractor and the listed subcontractor have executed a subcontract unless subsequent action on the subcontract relates to subcontractor listing requirements.

#### **13-4-36 SUBSTITUTION OF SUBCONTRACTOR**

- A. No contractor whose bid is accepted shall substitute any person as subcontractor in place of the subcontractor listed in the original bid, except that the using agency shall consent to the substitution of another person as a subcontractor:
  - (1) when the subcontractor listed in the bid, after having had a reasonable opportunity to do so, fails or refuses to execute a written contract, when such written contract, based upon the general

terms, conditions, plans and specifications for the project involved and the terms of such subcontractor's written bid, is presented to him by the contractor;

- (2) when the subcontractor listed in the original bid becomes bankrupt or insolvent prior to execution of a subcontract;
- (3) when the using agency refuses to approve the subcontractor listed in the original bid, provided such approval has been reserved in the bidding documents;
- (4) when the subcontractor listed in the original bid fails or refuses to perform his subcontract;
- (5) when the contractor demonstrates to the using agency or its duly authorized officer that the name of the subcontractor was listed as the result of an inadvertent clerical error;
- (6) when a bid alternate accepted by the using agency causes the listed subcontractor's bid not to be low;
- (7) when the contractor can substantiate to the using agency that a listed subcontractor's bid is incomplete;
- (8) when the listed subcontractor fails or refuses to meet the bond requirements of the contractor; and,
- (9) when it is determined that the listed subcontractor does not have a proper license to perform the work and the contractor has submitted the name of the subcontractor along with proof that the subcontractor bid work for which he was not licensed by the Construction Industries Division of the Regulation and Licensing Department.
- (10) when it is determined by the using agency, the prime contractor or the director of the labor and industrial division of the labor department that a listed subcontractor is not a registered subcontractor on the date bids are unconditionally accepted for consideration.

**B.** Prior to approval of the contractor's request for substitution of a subcontractor, the using agency shall give notice in writing to the listed subcontractor of the contractor's request to substitute and of the reasons for the request. The notice shall be served by certified or registered mail to the last known address of the subcontractor. The listed subcontractor who has been so notified has five (5) working days within which to submit written objections to the substitution to the using agency. Failure to file written objections shall constitute the listed subcontractor's consent to the substitution. If written objections are filed, the using agency shall give at least five (5) working days' notice in writing to the listed subcontractor of a hearing by the using agency on the contractor's request for substitution.

**C.** No contractor whose bid is accepted shall permit any subcontract to be voluntarily assigned or transferred or allow it to be performed by anyone other than the original subcontractor listed in the original bid without the consent of the using agency.

**D.** No contractor whose bid is accepted, other than in the performance of change orders causing changes or deviations from the original contract, shall sublet or subcontract any portion of the work in excess of the listing threshold as to which his original bid did not designate a subcontractor unless:

- (1) the contractor fails to receive a bid for a category of work. Under such circumstances, the contractor may subcontract. The contractor shall designate on the listing form that no bid was received; or
- (2) the contractor fails to receive more than one bid for a category of work. Under such circumstances, the contractor may subcontract. The contractor shall state on the listing form that only one subcontractor's bid was received, together with the name of the subcontractor. This designation shall not occur more than one time on the subcontractor list.

**13-4-37 BOND REQUIREMENTS (This requirement to be modified by Invitation to Bid – Section 00 1116- Page 3**

- A.** It is the responsibility of each subcontractor submitting a bid to a contractor to be prepared to submit a faithful performance and payment bond if so requested by the contractor.
- B.** In the event any subcontractor submitting a bid to a contractor does not, upon the request of the contractor and at the expense of the contractor at the established charge or premium therefore,



furnish to the contractor a bond issued by a corporate surety authorized to do business in New Mexico in accordance with the New Mexico Insurance Code (59A-1-1 to 59A-1-18, NMSA 1978) and listed in the United States treasury department circular 570 wherein the contractor is named the obligee, guaranteeing prompt and faithful performance of the subcontract and the payment of all claims for labor and materials furnished or used in and about the work to be done and performed under the subcontract, the contractor may reject the bid and make a substitution of another subcontractor subject to the provisions of Section 13-4-36, NMSA 1978. Such bond may be required at the expense of the subcontractor only if the contractor in his written or published request for subcontract bids:

- (1) specifies that the expense for the bond shall be borne by the subcontractor; and
- (2) clearly specifies the amount and requirements of the bond.

#### **13-4-38. FAILURE TO SPECIFY SUBCONTRACTOR**

If a contractor fails to list a subcontractor in excess of the listing threshold and he does not state that no bid was received or that only one bid was received, he represents that he is fully qualified to perform that portion of the work himself and that he shall perform that portion of the work himself. If after the award of the contract the contractor subcontracts any portion of the work, except as provided in the Subcontractors Fair Practices Act, the contractor shall be guilty of violation of the Subcontractors Fair Practices Act and subject to the penalties provided in Section 13-4-41 NMSA 1978.

#### **13-4-39. INADVERTENT CLERICAL ERROR**

- A. The contractor, as a condition to assert a claim of inadvertent clerical error in the listing of a subcontractor, shall within four working days after the time of the prime bid opening by the using agency, give written notice to the using agency and to both the subcontractor he claims to have listed in error and the subcontractor who had bid to the contractor prior to bid opening.
- B. Any listed subcontractor who has been notified by the contractor in accordance with the provisions of this section as to an inadvertent clerical error shall be allowed twelve working days from the time of the prime bid opening within which to submit to the using agency and to the contractor written objection to the contractor's claim of inadvertent clerical error. Failure of the listed subcontractor to file written notice within the twelve working days shall be primary evidence of his agreement that an inadvertent clerical error was made.
- C. The using agency shall, in the absence of an objection to the contrary by the listed subcontractor in the original bid, consent to the substitution of the intended subcontractor if:
  - (1) the contractor, the listed subcontractor listed in error and the intended subcontractor each submit an affidavit to the using agency, along with such additional evidence as the parties may wish to submit, that an inadvertent clerical error was in fact made, provided that the affidavits from each of the three parties are filed within twelve working days from the time of the prime bid opening; or
  - (2) affidavits are filed by both the contractor and the intended subcontractor within the specified time but the subcontractor whom the contractor claims to have listed in error does not submit, within twelve working days from the time of prime bid opening, to the using agency and to the contractor written objection to the contractor's claim of inadvertent clerical error as provided in this section.
- D. If affidavits are filed by both the contractor and the intended subcontractor but the listed subcontractor has, within twelve working days from the time of the prime bid opening, submitted to the using agency and to the contractor written objection to the contractor's claim of inadvertent clerical error, the using agency shall investigate the claims of the parties and hold a hearing to determine the validity of the claims, within thirty days after the receipt of the contractor's written objection. Any determination made shall be based on facts contained in the affidavits submitted by all three parties and supported by testimony under oath and subject to cross-examination. The using agency may, on its motion or that of any other party, admit testimony of other contractors, any bid

registries or depositories or any other party in possession of facts that may have a bearing on the decision of the using agency.

**13-4-40. EMERGENCY SUBCONTRACTING**

Subcontracting any portion of the work in excess of the listing threshold as to which no subcontractor was designated in the original bid shall be permitted only in the case of public emergency or necessity and then only upon a written finding by the using agency setting forth the facts constituting the emergency or necessity.

**13-4-41. PENALTIES**

- A. When a contractor violates any provision of the Subcontractors Fair Practices Act except Section 13-4-34 NMSA 1978, the using agency shall:
  - (1) in the case of a contractor who substitutes another subcontractor in violation of Section 13-4-36 NMSA 1978, for the subcontractor originally included in the bid, assess the contractor a penalty in an amount equal to the greater of ten percent of the amount bid by the listed subcontractor or the difference between the amount bid by the listed subcontractor and the amount bid by the substituted subcontractor;
  - (2) in the case of a contractor substituting a listed subcontractor for another subcontractor, and the substituted subcontractor knowingly participated in a violation of Section 13-4-36 NMSA 1978, assess the substituted subcontractor a penalty in an amount equal to the greater of ten percent of the amount bid by the listed subcontractor and the difference between the amount bid by the listed subcontractor and the substituted subcontractor; or
  - (3) in the case of a contractor who fails to list a subcontractor in excess of the listing threshold as defined in Section 13-4-38 NMSA 1978, assess the contractor a penalty of eight percent of the amount of the subcontract issued for the first violation and thirty percent of the amount of the subcontract issued for any violation thereafter, on any one project.
- B. Penalties assessed pursuant to the provisions of this section shall be deposited into the fund from which the contract was awarded.
- C. In a proceeding under this section, the contractor shall be entitled to a hearing after notice.
- D. A violation of the provisions of the Subcontractors Fair Practices Act constitutes grounds for disciplinary action against a contractor or a subcontractor, pursuant to regulations of the construction industries division of the regulation and licensing department.
- E. A contractor or a subcontractor who attempts to circumvent the provisions of the Subcontractors Fair Practices Act shall be subject to the penalties established pursuant to this section.
- F. Any listed subcontractor removed in violation of the Subcontractors Fair Practices Act may bring an action in the district court for damages, injunctive or other relief.

**13-4-42. COVERAGE OF HOME RULE MUNICIPALITIES**

Any home rule municipality or H class county chartered under the provisions of Article 10, Section 6 of the constitution of New Mexico is expressly denied authority to legislate regulation of the subject matter covered in the Subcontractors Fair Practices Act that conflicts with the provisions of that act.

**13-4-43. DISPUTE RESOLUTION**

Once the using agency has determined the existence of a valid claim under the provisions of the Subcontractors Fair Practices Act, the using agency or agent of the using agency may:

- A. hold a public hearing for the purpose of providing an informal resolution of the dispute by preparing a "form of dispute" which shall be available to all parties. The form shall state concisely, in numbered paragraphs, the matter at issue or dispute which the complainant expects to be determined. The agent or the using agency shall evaluate the issues presented by both sides of the dispute and render a decision within ten days after the hearing, and provide the parties with a written copy of the decision by certified mail, return receipt requested; or

**B.** refer the matter in dispute to be resolved through arbitration.

**4.5.2** The Bidder shall not list himself as the supplier or as the Subcontractor for any trade unless he has previously performed work of this type or can prove to the Owner and the Owner's satisfaction that he actually has, or will obtain, fully adequate ability to perform the work with his own forces.

**4.5.3** Omission or non-compliance with the intent of the Subcontractor Listing (Section 00430) will be grounds for considering a bid as non-responsive.

**4.5.4** Prior to the award of the Contract, the Owner will notify the Bidder in writing if either the Owner or the Owner, after due investigation and written findings of fact, has reasonable and substantial objection to any person or organization on such list. If the Owner or Owner has reasonable and substantial objection to any person or organization on such list and refuses in writing to accept such person or organization, the Bidder may, at his option:

- A.** withdraw his Bid, or,
- B.** submit an acceptable substitute Subcontractor.

In the event of withdrawal under this paragraph, bid security will not be forfeited.

**4.5.5** The Successful Bidder shall, within ten (10) days of Notice of Award of the Contract for the Work, submit to the Owner all of the requirements of Subparagraph 6.1.

**4.5.6** The Successful Bidder will be required to establish to the satisfaction of the Owner and the Owner the reliability and responsibility of the persons or entities proposed to furnish and perform the work described in the Bidding Documents.

**4.5.7** Persons and organizations proposed by the Bidder and to whom the Owner and the Owner have made no reasonable objection under the provisions of Paragraph 4.5.6 must be used on the work for which they were proposed and shall not be changed except with the written consent of the Owner and the Owner. In an effort to gain consent, provide, if possible, a written request from the person or organization wishing to be replaced by the Bidder explaining the need for the replacement.

**4.5.8** No Successful Bidder shall be required to employ any Subcontractor, other person, or organization against whom he has reasonable objection.

#### **4.6 SUBMISSION OF BIDS**

**4.6.1** Bid, bid security, Subcontractors Listing Form, and other required documents listed in the Bidding Documents shall be submitted in an opaque sealed envelope marked in accordance with Subparagraph 4.6.2 below.

**4.6.2** The Bid envelope shall be addressed as required by Section 00\_2114 – Instructions to Bidders – Part B.

**4.6.3** Bids received after the date and time for receipt of bids will be returned unopened.

**4.6.4** The Bidder shall assume full responsibility for timely delivery of bids to the Owner, including those Bids submitted by mail or otherwise. Bids hand delivered to the Bid Opening Address shall be received beginning one hour prior to the bid. Bids will be clocked in at the time received, which must be prior to the time specified. Bids will then be held for public opening.

**4.6.5** Oral, telephonic, or telegraphic bids are invalid and will not receive consideration.

#### **4.7 CORRECTION OR WITHDRAWAL OF BIDS**

**4.7.1** A bid containing a mistake discovered before Bid Opening may be withdrawn by a bidder prior to the time set for Bid Opening by delivering verbal, written or telegraphic notice to the location designated in the Invitation for Bid as the place where bids are to be received.

**4.7.2** Bid security, if required, shall be in an amount sufficient for the bid in conformance with Section 4.2.

**4.7.3** Withdrawn Bids may be resubmitted up to the time and date designated for the receipt of Bids, provided they are then fully in conformance with the Bidding Documents.

**4.7.4** After Bid Opening time, no modifications in bid prices or other provisions of bids shall be permitted.

**4.7.5** After Bid Opening, a low Bidder alleging a material mistake of fact which makes his Bid non-responsive may be permitted to withdraw his Bid if the:

**A.** mistake is clearly evident on the face of the Bid Document; or

**B.** Bidder submits evidence which clearly and convincingly demonstrates that a mistake was made.

Any decision by the Owner to permit or deny the withdrawal of a Bid on the basis of a mistake contained therein shall be supported by a written determination setting forth the grounds for the decision. If withdrawal is permitted, bid security will not be forfeited.

#### **4.8 NOTICE OF CONTRACT REQUIREMENTS BINDING ON BIDDER**

**4.8.1** In submitting this bid, the Bidder represents that he has familiarized himself with the nature and extent of the following requirements and of the Conditions of the Construction Contract (General, Supplementary, Project and Other Conditions):

#### **4.9 REJECTION OR CANCELLATION OF BIDS**

An Invitation for Bid may be canceled, or any or all Bids may be rejected in whole or in part, when it is in the best interest of the Owner. A determination containing the reasons therefore shall be made part of the Project file. Bid security for rejected Bids shall be returned to the Bidder.

#### **4.10 CONSIDERATION OF BIDS**

##### **4.10.1 RECEIPT, OPENING, AND RECORDING**

Bids received on time will be opened publicly and will be read aloud, and an abstract of the amounts of the Base Bids and Alternates or bid items, if any, will be made available to the Bidders. Each Bid shall be open to public inspection (13-1-107, NMSA 1978).

##### **4.10.2 BID EVALUATION AND AWARD**

**4.10.2.1** The Owner shall have the right to waive technical irregularities in the form of the Bid of the low Bidder which do not alter the price, quality, or quantity of the services, construction, or items of tangible personal property bid (13-1-132, NMSA 1978).

**4.10.2.2** It is the intent of the Owner to award a contract to the lowest responsible bidder, provided the Bid has been submitted in accordance with the requirements of the Bidding Documents. The unreasonable failure of a Bidder to promptly supply information in connection with an inquiry with respect to responsibility is grounds for a determination that the Bidder is not a responsible Bidder (13-1-133, NMSA 1978). See Section 6 as to Post-Bid Information that may be required of a Contractor as to qualifications.

**4.10.2.3** If the Base Bid is within the amount of funds available to finance the construction, contract award will be made to the responsible Bidder submitting the low Base Bid; except that, if sufficient funds are available to fund alternates, the Owner may award the contract to the responsible Bidder submitting the low combined Bid within the amount of funds available (Base Bid plus or minus alternates. If

the award is based on alternates, the Owner shall accept them in the order in which they are listed on the Bid Form.

**4.10.2.4** Discrepancies in the Bid Form between words and figures will be resolved in favor of words. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.

**4.10.2.5** Conditional Bids or Bids with additional terms will not be accepted.

#### **4.11 NOTICE OF AWARD**

A written Notice of Award shall be issued by the Owner after review and approval of the bid and related documents by the Owner with reasonable promptness (13-1-100 and 13-1-108, NMSA 1978).

#### **4.12 CANCELLATION OF AWARD**

When in the best interest of the public, the Owner may cancel the award of any contract at any time before the execution of said contract by all parties without any liability against the Owner.

### **5.0 PROTESTS**

**5.1** Any bidder, offeror, or contractor who is aggrieved in connection with this procurement (Bid) may protest to the Owner's Central Purchasing Agent and the Owner in accordance with the requirements of General Services Department Rule 93-601. The protest should be made in writing within twenty-four (24) hours after the facts or occurrences giving rise thereto, but in no case later than fifteen (15) calendar days after the facts or occurrences giving rise thereto (13-1-172, NMSA 1978).

**5.2** In the event of a timely protest under Subparagraph 4.10.1 (13-1-172, NMSA 1978 of the Procurement Code), the Owner's Central Purchasing Agent and the Owner shall not proceed further with the procurement unless the Owner's Purchasing Agent or the Owner makes a determination that the award of contract is necessary to protect substantial interests of the Owner (13-1-173, NMSA 1978).

**5.3** The Owner's Central Purchasing Agent or his designee shall have the authority to take any action reasonably necessary to resolve a protest of an aggrieved bidder, offeror, or contractor concerning a procurement.

**5.4** The Owner's Central Purchasing Agent or his designee shall promptly issue a determination relating to the protest. The determination shall:

- A** state the reasons for the action taken; and
- B** inform the protestant of the right to judicial review of the determination pursuant to Section 13-1-183, NMSA 1978 of the Procurement Code (13-1-175, NMSA 1978).

**5.5** A copy of the determination issued under Section 13-1-175, NMSA 1978 of the Procurement Code shall immediately be mailed to the protestant and other bidders or offerors involved in the procurement (13-1-176, NMSA 1978).

### **6.0 POST-BID INFORMATION**

#### **6.1 SUBMITTALS TO Owner**

Within ten (10) days of Notice of Award and prior to construction, the following shall be submitted to the Owner:

- A** the Contractor required bonds and Certificates of Insurance;

- B.** for the Owner's consideration for approval, a resume and Statement of Qualification of proposed Superintendent(s) and assistants until acceptable individuals are selected in accordance with Subparagraph 3.9.2 of the General Conditions to the Construction Contract;
- C.** signed Subcontractors List including contract amount of each, evidence of required bonds, costs of each bond, and beneficiary of each bond; evidence of DOL registration, evidence of CID licensure;
- D.** Assignment of Antitrust Claims (required for the Contractor, all Subcontractors, and all Suppliers);
- E.** Certificate of Insurance;
- F.** State W-9;
- G.** evidence of other bonds or documents as specified in the Bidding Documents; and
- H.** Schedule of Values and required supporting data in accordance with Paragraph 9.2 of the General Conditions to the Construction Contract.

## **6.2 RETURN OF BID SECURITY**

All Bid Security in the form of checks, except those of the two lowest Bidders, will be returned immediately following the opening and checking of the Bids. The retained bid security of the unsuccessful of the two lowest bidders, if in the form of a check, will be returned within fifteen (15) days following the award of contract. The retained bid security of the Successful Bidder, if in the form of a check, will be returned after a satisfactory contract bond has been furnished and the Contract has been executed. Bid Securities in the form of Bid Bonds will be returned only upon the request of the unsuccessful Bidder, but will be released by the Purchasing Agent for the District after the Notice of Award is sent by the Owner.

## **6.3 EXECUTION AND APPROVAL OF CONTRACT**

The Contract shall be signed by the Successful Bidder and returned, together with both the Contract Bonds and Certificate of Insurance, within fifteen (15) days after the date of the Notice of Award. If the Contract is not executed by the Owner within forty-five (45) days following receipt from the Bidder of the signed Contract with Bonds and Certificate, the Bidder shall have the right to withdraw his proposal without penalty unless the Bidder has previously agreed to extend the date for acceptance by the Owner. No Contract shall be effective until it has been fully executed by all of the parties thereto.

## **6.4 NOTICE TO PROCEED**

The Owner will issue a written Notice to Proceed to the Contractor stipulating the date from which Contract Time will be charged and the date Contract Time is to expire, subject to valid modifications of the Contract authorized by Change Order.

## **6.5 FAILURE TO EXECUTE CONTRACT**

Failure to return the signed Contract with acceptable Contract Bonds and Certificate of Insurance within fifteen (15) days after the date of the Notice of Award shall be just cause for the cancellation of the award and the forfeiture of the Bid Security, which shall become the property of the Owner, not as a penalty, but in liquidation of damages sustained. Award may then be made to the next lowest responsible Bidder, or the Work may be re-advertised and constructed under contract or otherwise, as the Owner may decide.

## **6.6 CONTRACTOR'S QUALIFICATIONS STATEMENT**

Bidders to whom award of a contract is under consideration shall submit, upon request, information and data to prove that their financial resources, production or service facilities, and service reputation and experience are adequate to make satisfactory delivery of the services, construction, or items of personal property described in the Bidding Documents (13-1-82, NMSA 1978). The Contractor shall always submit the requirements of Subparagraph 3.9.2 of the General Conditions to the Construction Contract and also in accordance with Paragraph 6.1-B above.

## **7.1 OTHER INSTRUCTIONS TO BIDDERS**

**7.2** The bid will be awarded in accordance with Subparagraph 4.10.2.3. The Owner may accept from the apparent low bidder prior to the Award, a reduction to the bid cost or time and, may discuss with the apparent low bidder for potential deductive modifications to the Work prior to the Award however, the Award shall be made on the un-modified Construction Documents with alternates accepted in accordance with this Paragraph 7.0.

**7.3** If the lowest responsible bid has otherwise qualified, and if there is no change in the original project scope, terms or conditions, the lowest bidder may negotiate with the purchaser for a lower total bid in order to avoid rejection of all bids for the reason that the lowest bid was up to ten percent higher than budgeted project funds. Such negotiation shall not be allowed if the lowest bid was more than ten percent over budgeted project funds.

# **INSTRUCTIONS TO BIDDERS – PART B**

Section 00 2114

## **1.1 BID ENVELOPE**

The Bid envelope shall be addressed at the front center of the envelope to:

ALAMOGORDO PUBLIC SCHOOLS  
ATTN: CHIEF PROCURMENT OFFICER  
1211 HAWAII AVE.  
ALAMOGORDO, NM 88310

Also on the front of the envelope the Bidder shall mark: the name and address of the Bidder shall in the upper left corner; the name of project, Invitation to Bid Number, date of opening and, time of opening in the lower left corner; and, "**SEALED BIDS ENCLOSED**" in the lower right corner or otherwise on the face thereof.

-END OF SECTION-



# BID FORM (Lump Sum or Unit Price)

BIDDER'S Name and Address:      Telephone: Fax: Federal Tax ID #: New Mexico Tax ID #: CID License #
--

**ITB NO.:** 012-2021

**PROJECT NAME:** Asbestos Abatement of Holloman Intermediate School

**PROJECT NO.:** P12-001

**LOCATION:** Holloman Air Force Base, Alamogordo, NM

This Bid is submitted to Owner:

**Alamogordo Public Schools**  
 1211 HAWAII AVE.  
 ALAMOGORDO, NM 88310  
 Phone (575) 812-6044

In collaboration with Co-Owner:

Public School Capital Outlay  
**PUBLIC SCHOOL FACILITIES AUTHORITY**  
 1312 Basehart Road, SE  
 Suite 200  
 Albuquerque, NM 87106  
 Phone (505) 843-6272

1. The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an agreement with the Owner in the form included in the Bidding Documents to perform and furnish all Work as specified or indicated in the Bidding Documents for the Contract Price and within the Contract Time indicated in this Bid and in accordance with the other terms and conditions of the Contract Documents.

2. The Bidder accepts all of the terms and conditions of the Invitation for Bid and Instructions to Bidders, including without limitation those dealing with the disposition of bid security and other Bidding Documents. This Bid will remain subject to acceptance for forty-five (45) days after the day of Bid opening. The Bidder shall sign and submit the Agreement between Owner and Contractor (hereinafter called Agreement) with the Bonds and other documents required by the Bidding Requirements within fifteen (15) days after the date of the Owner's Notice of Award.

3. The Contractor shall include the following cash allowances in his Bid:

- A. for \_\_\_\_\_ (page \_\_\_\_\_ of Specs) \$ \_\_\_\_\_
- B. for \_\_\_\_\_ (page \_\_\_\_\_ of Specs) \$ \_\_\_\_\_
- C. for \_\_\_\_\_ (page \_\_\_\_\_ of Specs) \$ \_\_\_\_\_
- D. for \_\_\_\_\_ (page \_\_\_\_\_ of Specs) \$ \_\_\_\_\_
- E. for \_\_\_\_\_ (page \_\_\_\_\_ of Specs) \$ \_\_\_\_\_

4. In submitting this Bid, the Bidder represents, as more fully set forth in the Agreement, that:

A. the Bidder has examined copies of all the Bidding Documents and of the following Addenda (receipt of all of which is hereby acknowledged):

No. _____	Title: _____	Date: _____
No. _____	Title: _____	Date: _____
No. _____	Title: _____	Date: _____
No. _____	Title: _____	Date: _____
No. _____	Title: _____	Date: _____
No. _____	Title: _____	Date: _____

B. the Bidder has familiarized himself with the nature and extent of the Bidding Documents, Work, site, locality, and all local conditions, laws, and regulations that in any manner may affect cost, progress, performance, or furnishing of the Work;

C. the Bidder has carefully studied all reports and drawings of subsurface conditions which are identified in the Information Available to Bidders and accepts the determination set forth in the Information Available to Bidders of the extent of the technical data contained in such reports and drawings upon which the Bidder is entitled to rely;

D. the Bidder has correlated the results of all such observations, examinations, investigations, explorations, tests, reports, and studies with the terms and conditions of the Bidding Documents;

E. the Bidder has given the Owner written notice of all conflicts, errors, and discrepancies that he has discovered in the Bidding Documents, and the written resolution thereof by the Owner is acceptable to the Bidder;

F. this Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm, or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization, or corporation; the Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; the Bidder has not solicited or induced any person, firm, or corporation to refrain from bidding; and the Bidder has not sought by collusion to obtain for himself any advantage over any other Bidder or over the Owner;

G. the Bidder agrees to show clearly on the envelope in which the Bid is submitted the Project Name and Number, and Invitation to Bid Number; and,

H. the Bidder will complete the Work for the following price(s) (**do not include any gross receipts tax in the price(s)**).

5. Bids shall be presented in the form of a total Base Bid proposal under a Lump Sum Contract plus additive alternates that are selected by the Owner. A bid must be submitted on all bid items and alternates; segregated bids will not be selected by the Owner.

(Owner to strike out subsection not applicable.)

**A. LUMP SUM PRICE** (please use typewriter or print legibly in ink) Base Bid (use words):

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---



---

( \$ \_\_\_\_\_ )

Alternate 1 (add)(deduct)

---



---

( \$ \_\_\_\_\_ )

Alternate 2 (add)(deduct)

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---



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( \$ \_\_\_\_\_ )

Alternate 3 (add)(deduct)

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---



---

( \$ \_\_\_\_\_ )

Alternate 4 (add)(deduct)

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( \$ \_\_\_\_\_ )

All specific cash allowances are included in the price(s) set forth above.

**B. UNIT PRICE**

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---



---

( \$ \_\_\_\_\_ )

If the required quantities of the items listed below are increased or decreased by Change Order, the adjustment unit prices set forth below shall apply to such increased or decreased quantities:

ITEM  
UNIT PRICE (in words)

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---

( \$ \_\_\_\_\_ )

6. The Bidder agrees that:

- A. The Work to be performed under this Contract shall be commenced not later than ten (10) consecutive days after the date of written Notice to Proceed, and that Substantial Completion shall be achieved not later than **45** days after the date of written Notice to Proceed, except as hereafter extended by valid written Change Order by the Owner.
- B. Should the Contractor neglect, refuse, or otherwise fail to complete the Work within the time specified, the Contractor agrees to pay to the Owner in partial consideration for the award of this Contract the amount of **Five hundred** Dollars (\$500) per consecutive day, not as a penalty, but as liquidated damages for such breach of the Contract.
- C. The above prices shall include all labor, materials, removal, overhead, profit, insurance, taxes (**not including gross receipts tax**), etc., to cover the finished work of the several kinds called for. Changes shall be processed in accordance with the Contract Documents.
- D. It is understood that the Owner reserves the right to reject any or all Bids and to waive any technical irregularities in the bidding.

7. The following documents are attached to and made a condition of this Bid:

- A. Bid Security with Agent's Affidavit;
- B. Subcontractors Listing; If any

8. The terms used in this Bid and the Bidding and Contract Documents which are defined in the Conditions of the Construction Contract (General, Supplementary, and Other Conditions), included as part of the Bidding Documents, have the meanings assigned to them in those Conditions.

9. The Bidder is a(n):

**A. INDIVIDUAL;**

By: \_\_\_\_\_  
 (Individual's Signature)  
 Doing business as: \_\_\_\_\_  
 Business address: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Telephone: (\_\_\_\_) \_\_\_\_\_

FAX: (\_\_\_\_) \_\_\_\_\_

**B. PARTNERSHIP:**

By: \_\_\_\_\_  
(Firm Name)

\_\_\_\_\_  
(General Partner's Signature)

Business address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Telephone: (\_\_\_\_) \_\_\_\_\_

FAX: (\_\_\_\_) \_\_\_\_\_

**C. CORPORATION:**

Corporation Name: \_\_\_\_\_

State of Incorporation: \_\_\_\_\_

By \_\_\_\_\_ Title: \_\_\_\_\_  
(Print Name of Person Authorized to Sign)

\* \_\_\_\_\_  
Signature of Authorized Person

If a New Mexico Corporation: \_\_\_\_\_  
NM Certificate of Incorporation Number

If a Foreign Corporation: \_\_\_\_\_  
NM Certificate of Authority Number

Attest (Secretary): \_\_\_\_\_

Business address \_\_\_\_\_  
\_\_\_\_\_

Telephone: (\_\_\_\_) \_\_\_\_\_

FAX: (\_\_\_\_) \_\_\_\_\_



or,

**D. JOINT VENTURE:**

By \_\_\_\_\_  
(Name)

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Telephone: (\_\_\_\_) \_\_\_\_\_

FAX: (\_\_\_\_) \_\_\_\_\_

-----

By \_\_\_\_\_  
(Name)

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Telephone: (\_\_\_\_) \_\_\_\_\_

FAX: (\_\_\_\_) \_\_\_\_\_

-----

By \_\_\_\_\_  
(Name)

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Telephone: (\_\_\_\_) \_\_\_\_\_

FAX: (\_\_\_\_) \_\_\_\_\_

Each Joint Venturer must sign. The manner of signing for each individual, partnership, and corporation that is a party to the joint venture should be in the manner indicated in the appropriate category.



**BIDDER MUST FILL IN THE FOLLOWING** (if none, write none)

NM License Number \_\_\_\_\_ License Classification: \_\_\_\_\_

Dept. of Workforce Solutions Minimum Wage Act Registration Number (DWS#)

\_\_\_\_\_

Resident Contractor's Preference Number: \_\_\_\_\_

OR

Veteran Contractor's Preference Number: \_\_\_\_\_

**Please attach a copy of your valid preference certificate to the Bid Form.**

**LISTING FORM 00 4334**  
**ATTACH TO LETTER OF SUBMITTAL**  
**In the Technical Proposal**

**SUBCONTRACTOR**  
**QUALIFICATIONS QUESTIONNAIRE**

**THRESHOLD: \$50,000 OR 5% OF ESTIMATE WHICHEVER IS GREATER**

**DP/AE ESTIMATE OF TOTAL PROJECT COST: \$\_\_\_\_\_**

**QAULIFICATION THRESHOLD FOR THIS PROJECT: \$\_\_\_\_\_**

1. The using agency has the right and requires that the contractor provide subcontractor qualifications from the subcontractors listed below regardless of the value of the subcontract.
2. Also, Per NMAC 1.4.8.12 D. (2): Subcontractor qualification questionnaires shall be required for all subcontractors identified in the Technical Proposal pursuant to the subcontractor listing requirements 1.4.8.13 NMAC, where the value of the subcontract is fifty thousand (\$50,000) or five percent (5%) whichever is greater.

This Subcontractor Questionnaire Listing Form shall be included in the Technical Proposal, in **TAB 2A**. **Note:** Either submit this form or an entire package of all Subcontractor Qualification Statements at time of proposal submission.

Reminder: The General Contractor *may* be given 24 hours from the date and time of the submission of the Request for Proposal, to produce one original and one copy of the Subcontractor Qualifications Questionnaires listed below to the Procurement Manager.

SUBCONTRACTOR	ENTITY NAME
Mechanical	
Electrical	
Plumbing	
Roofing	





**COMBINED  
LIST OF SUBCONTRACTORS  
and  
ASSIGNMENT OF ANTITRUST CLAIMS  
by  
CONTRACTOR, SUBCONTRACTORS,  
SUBSUBCONTRACTORS, and SUPPLIERS**

**EXAMPLE TRADES AND SUPPLIERS:** SITE WORK, CONCRETE, MASONRY, FRAMING, LUMBER, STEEL, STEEL FABRICATION, ROOFING, EXTERIOR INSULATION AND FINISH, DRYWALL, DOORS, GLASS AND GLAZING, PLASTER, PAINTING, CARPET, RESILIENT, CONVEYING SYSTEMS, HVAC, CONTROLS, PLUMBING, SHEET METAL, ELECTRICAL

1. Subcontractor Listing shall be included with Bid as a condition of the Bid and be fully complete with regards to all Subcontractors providing services valued at \$5,000.00 or more, or one-half of one percent of the architect's or engineer's estimate of the total project cost, not including alternates, whichever is greater pursuant to Section 13-4-34, NMSA 1978.

Listing Threshold for this Project: \$5,000

a. Subcontractor listing shall be expanded after Bid by apparent low bidder if awarded, and before Contract, to include major Suppliers and, each entity listed shall be signed by individual empowered to obligate Supplier, Subcontractor, or Subcontractor.

b. Subcontractor listing shall also be expanded after Bid by apparent low bidder if awarded, and before Contract, to include the Department of Workforce Solutions labor enforcement fund registration number. See the Department of Workforce Solutions web site at [www.dws.state.nm.us](http://www.dws.state.nm.us) under "Public Works" for registration form, listings and information.

c. See Instructions to Bidders, Section 00 2113 Paragraph 4.5, Subcontractors, for rules regarding changes in this list after bidding.

2.

**PROJECT NAME:** Asbestos Abatement of Holloman Intermediate School

**INVITATION TO BID NUMBER:** 012-2021

The undersigned agrees that any and all claims which the firm may have or may inure to it for overcharges resulting from antitrust violations as to goods, services, and materials purchased in connection with the above-referenced project are hereby assigned to the Owner, but only to the extent that such overcharges are passed on to the Owner. It is agreed that the firm retains all rights to any such antitrust claims to the extent of any overcharges not passed on to the District, including the right to any treble damages attributable thereto.





# PREQUALIFICATION

## GENERAL

The Contractor represents to the Owner that the Contractor:

1. is financially solvent, able to pay debts, and has sufficient working capital to complete the Work;
2. is able to furnish the plant, tools, materials, supplies, equipment, skilled labor and sufficient experience and competence required to complete the Work equal to or exceeding industry standards;
3. shall, prior to bid, be properly licensed according to the requirements of the Construction Industries Licensing Act, Chapter 60, Article 13 NMSA 1978 and ensures to the Owner that such license shall remain in effect for the duration of the Work and warranty periods that the Contractor is authorized and properly licensed to do business in the State of New Mexico and in the locale where the Work is located;
4. execution of the agreement and performance thereof is within the Contractor's duly authorized powers; and
5. or assigns have visited the site of Work and has become familiar with the conditions under which the Work is to be performed, obtained all available information and have correlated observations and acquired information with the requirements of the Contract Documents including conditions:
  - a) bearing upon access to the site, accommodations required, transportation, disposal, handling and storage;
  - b) affecting availability of labor, materials, equipment, water, electricity, utilities and roads;
  - c) such as weather, river stages, flooding;
  - d) related to the apparent form and nature of the Work site, including the surface and sub-surface conditions; and,
  - e) that in general would be deemed by a prudent contractor to be material to the Work as to assess risk, contingencies and other circumstances;
6. has completed prior contracts with diligent and continuous effort and has been responsive to post-occupancy corrections.

## PREQUALIFICATION FORMS

Contractor shall furnish the following prior to bid submission. All licenses must be current and in good standing within the state of issuance.

1. CID license

## DEBARRED OR SUSPENDED CONTRACTORS

A business (contractor, subcontractor, or supplier) that has either been debarred or suspended pursuant to the requirements of Sections 13-1-177 through 13-1-180 and 13-4-11 through 13-4-17, NMSA 1978 as amended, shall not be permitted to do business with the State and shall not be considered for award of contract during the period for which it is debarred or suspended.

**Return completed form to address below:**

State of New Mexico, PSFA  
Contracts Administrator  
1312 Basehart Road, SE  
Suite 200  
Albuquerque, NM 87106  
Phone (505) 843-6272  
Fax: (505) 988-5933

**Form available on PSFA web site at:**

[https://www.nmpsfa.org/wordpress/wp-content/uploads/2020/05/NM\\_SUBSTITUTE\\_W-9-1.pdf](https://www.nmpsfa.org/wordpress/wp-content/uploads/2020/05/NM_SUBSTITUTE_W-9-1.pdf)



STATE OF NEW MEXICO  
Taxation and Revenue Department



APPLICATION FOR PREFERENCE

GENERAL INSTRUCTIONS PLEASE READ BEFORE COMPLETING

Sections 13-1-21 and 13-1-22 NMSA 1978 authorize and set forth the criteria required for a business to qualify as a Resident Business or Resident Contractor. It is important to note, a resident preference is applicable to contracts, which typically call for, but are not limited to, the furnishing of tangible personal property, i.e. goods, supplies, materials, equipment, printed materials and certain services.

A "resident preference" is applicable only to procurements made pursuant to a formal bid process or formal Request For Proposals (RFP) process in accordance with Sections 13-1-21 and 13-4-2 NMSA 1978. Additionally, any person, firm, corporation, or other legal entity must have all required licenses at the time the application for preference is submitted to the Taxation and Revenue Department for consideration.

**Please note:** All certifications are subject to revocation in accordance with applicable rules. A certification merely establishes that the Taxation and Revenue Department has determined based upon the information provided in the application, as of the date of issuance, that the holder was entitled to treatment as a resident business and/or contractor by state agencies and local public bodies.

The attached application for preference is required by Section 13-1-22 NMSA 1978 as amended during the First Special Legislative Session of 2011. The application includes an **affidavit from a certified public accountant** setting forth certain eligibility criteria for businesses or contractors, as required by Section 13-1-22 NMSA 1978. The completed **application along with payment of Thirty Five (\$35) dollars** must be submitted to the Taxation and Revenue Department prior to issuance of a resident business preference or a resident contractor preference certificate.

In addition to the application, the Taxation and Revenue Department may require submission of additional information to ensure eligibility.

A certificate is valid for three (3) years from the date of its issuance; provided that if there is a change of ownership of more than fifty percent, a resident business or resident contractor shall reapply.

For questions concerning the application process please call (505) 827-0951. The application along with payment should be sent to:

New Mexico Taxation and Revenue Department  
Santa Fe District Office  
PO Box 5374  
Santa Fe, NM 87502-5374



**STATE OF NEW MEXICO**  
Taxation and Revenue Department



**APPLICATION FOR RESIDENT CONTRACTOR CERTIFICATION**

**General Information** For questions please call (505) 827-0951

Name of Business:		Doing Business As (DBA):	
Mailing Address:			
City:	State:	Zip:	
New Mexico Combined Reporting System (CRS) Identification Number:		FEIN/SSN:	
VIN of vehicle registered in New Mexico:		Name of vehicle owner:	

Choose one of the following contractor statuses and check the appropriate boxes that apply to your business. If any statement in this application is not appropriate to or does not otherwise describe your business, your business may not qualify for this preference.

**Existing Contractor**

- The contractor is currently licensed as a contractor in New Mexico and
- The contractor has paid property taxes on real property in New Mexico in each of the last five years or the business has paid rent on real property in New Mexico in each of the last five years and
- The contractor has paid another New Mexico State tax in each of the last five years and
- The contractor has paid unemployment insurance on a least three full-time New Mexico resident employees in each of the last five years or the contractor has been licensed as a contractor in New Mexico for ten consecutive years.

**New Contractor**

- The contractor is currently licensed as a contractor in New Mexico and
- Property Taxes on real property in New Mexico have been paid in each of the last five years by the owner or the majority of owners or the owner or majority of owners have paid rent on real property in New Mexico in each of the last five years and
- The owner(s) of the business have paid another New Mexico State tax in each of the last five years and
- This business has not applied for a Resident Business Certificate or Resident Contractors Certificate in each of the last five years.

**Relocated Business**

- The contractor is currently licensed as a contractor in New Mexico and
- The business has leased real property in New Mexico for the last ten years or the business has purchased real property in New Mexico valued at over \$100,000 and
- Eighty percent or more of the business employees in the prior year were residents of New Mexico.

**Previously Certified Business or Purchased, Reorganized, Name changed Business**

- The contractor is currently licensed, or was eligible for certification as a contractor in New Mexico or
- The business has reorganized into one or more different legal entities or the business was purchased by another legal entity, but operates in the same commercial enterprise or the business has merged with another legal entity, but operates in substantially the same commercial enterprise.

**AFFIDAVIT FROM CERTIFIED PUBLIC ACCOUNTANT**

STATE OF NEW MEXICO)				
COUNTY OF)				
<b>I hereby swear, under oath that statements in the application for Resident Contractor Certification are true and complete to the best of my knowledge.</b>				
Name:	Signature	CRA License #	State	Phone #
Subscribed and sworn to before me this _____ day of _____, 20____.				
My Commission Expires: _____				
<small>Notary Public</small>				

Send completed application Taxation and Revenue Department  
along with \$35.00 to: PO Box 5374  
Santa Fe, NM 87502-5374

\_\_\_\_\_  
Signature of Applicant Date





**STATE OF NEW MEXICO**  
Taxation and Revenue Department



**APPLICATION FOR RESIDENT VETERAN CONTRACTOR CERTIFICATION**

<b>SECTION I</b>			<b>General Information</b>		
Name of Licensed Contractor		Doing Business As (DBA) if applicable			
Mailing Address - City, State, Zip Code					
Physical Address - City, State, Zip Code					
Name of Business Owner or Officer		Phone Number of Business Owner or Officer		E-mail of Business Owner or Officer	
Name of Business Contact		Phone Number of Business Contact		E-mail of Business Contact	
NM(CRS) Number:		Contractor License Number		FEIN/SSN	
VIN of Vehicle Registered by Contractor with New Mexico			Name of Vehicle Owner		
<b>SECTION II</b>			<b>Resident Veteran Contractor Status Information</b>		
Please choose the relevant business status category below and place a checkmark next to all statements that apply to the applicant's business under the relevant category. If any statement under the relevant category is not appropriate to or does not otherwise describe the applicant's business, it may not qualify for certification.					
<b>Existing Contractor</b>					
<input type="checkbox"/> The contractor has been in existence for at least five years; <b>and</b> <input type="checkbox"/> The contractor is licensed as a contractor in New Mexico; <b>and</b> <input type="checkbox"/> The contractor has paid property taxes or rent on real property in New Mexico in <i>each</i> of the preceding five years; <b>and</b> <input type="checkbox"/> The contractor has paid at least one other tax administered by the State of New Mexico in <i>each</i> of the preceding five years; <b>and</b> <input type="checkbox"/> The contractor has paid unemployment insurance on at least three full-time New Mexico resident employees in <i>each</i> of the preceding five years or the contractor has been licensed as a contractor in New Mexico for ten consecutive years.					
<b>New Contractor</b>					
<input type="checkbox"/> The contractor did not exist as a business in any form and has been in existence for less than five years; <b>and</b> <input type="checkbox"/> The contractor is currently licensed as a contractor in New Mexico; <b>and</b> <input type="checkbox"/> The owner or majority of owners of the business have paid property taxes or rent on real property in New Mexico in <i>each</i> of the preceding five years; <b>and</b> <input type="checkbox"/> The owner or majority of owners of the business have paid at least one other tax administered by the State of New Mexico in <i>each</i> of the preceding five years; <b>and</b> <input type="checkbox"/> This contractor has not applied for a Resident Business Certificate or Resident Contractor Certificate during the preceding five years.					
<b>Relocated Contractor</b>					
<input type="checkbox"/> The contractor moved at least eighty (80%) percent of its total domestic personnel from another state to New Mexico in the past five years; <b>and</b> <input type="checkbox"/> The contractor is currently licensed as a contractor in New Mexico; <b>and</b> <input type="checkbox"/> Eighty (80%) percent or more of the total personnel of the business in the prior year were residents of New Mexico; <b>and</b> <input type="checkbox"/> The business has leased real property in New Mexico for ten years; <b>or</b> The business has purchased real property in New Mexico valued in excess of \$100,000.					

<b>Previously Certified Contractor or a Contractor Previously Eligible for Certification</b>			
<input type="checkbox"/> The contractor is licensed as a contractor in New Mexico; <b>and</b> <input type="checkbox"/> After January 1, 2012, but less than three years ago, the contractor obtained and was eligible for resident contractor certification. However, the contractor has since: (1) changed its name; (2) reorganized into one or more different legal entities; or (3) been purchased by or merged with another legal entity, but now operates in New Mexico as substantially the same commercial enterprise; <p style="text-align: center;"><b>OR</b></p> After January 1, 2012, but less than three years ago, the contractor applied and was eligible for resident contractor certification. However, before the Department was able to issue certification, the business: (1) changed its name; (2) reorganized into one or more different legal entities; or (3) was purchased by or merged with another legal entity, but now operates in New Mexico as substantially the same commercial enterprise.			
<b>SECTION III</b>		<b>Annual Revenue and Documentation</b>	
Please provide the business' previous year's annual revenues below and attach the required documents. If the required documents are attached, please place a checkmark next to the second statement below. An application submitted without the required information and documentation will be incomplete.			
<input type="checkbox"/> The previous year's annual revenues of the resident veteran business are \$ _____; <b>and</b> <input type="checkbox"/> Attached to this application is verification by the Federal Dept. of Veterans Affairs that the business is either a veteran-owned small business or a service-disabled veteran-owned small business; <p style="text-align: center;"><b>OR</b></p> Attached to this application is proof that a veteran or veterans own a majority of the business <b>and</b> verification of either (1) veteran status as indicated by the U.S. Dept. of Defense DD Form 214 of release or discharge from active duty with an honorable discharge <b>or</b> (2) service disabled-veteran status by the Dept. of Veterans Affairs. <p style="text-align: center;"><b>AND</b></p> <input type="checkbox"/> Any applicant provided a certificate of Resident Veterans Preference by the Taxation and Revenue Department as either a business or a contractor under the provisions of Sections 15-1-21 or 15-1-22 NMSA 1978, agrees that when awarded a contract involving a Veterans Preference during the last calendar year beginning on January 1 and ending on December 31, to report the award amount involved to the State Purchasing Division of the General Services Department. The report will be given under the penalty of perjury and indicate whether the awarded amount was as a purchase from a public body, or as a public works contract from a public body, as the case may be.			
<b>SECTION IV</b>		<b>Affidavit</b>	
<b>AFFIDAVIT FROM CERTIFIED PUBLIC ACCOUNTANT</b>			
STATE OF _____ COUNTY OF _____		I hereby swear, <u>under oath</u> that it is my professional opinion that the applicant meets the required criteria set forth in NMSA 1978, Section 15-1-22 (2012) for Resident Veteran Business Certification and that ALL information provided and ALL checkmarked statements in the foregoing application are true and complete to the best of my knowledge.	
Name	CPA License #	State	Date
Signature			
<b>NOTARY</b>			
Subscribed and sworn to before me this _____ day of _____, 20_____.			
Notary Public _____ <small>(NOTARY SEAL)</small>		My Commission Expires _____	
I am authorized to sign this application on behalf of the applicant and attest to the truthfulness of the information provided herein.			
Signature of Applicant		Date	
<b>Please see last of instructions; APPLICATION AND FEE SUBMISSION for correct mailing address and fee.</b>			



**SECTION IV****Affidavit**

This portion of the form is a sworn statement by the CPA indicating that the statements selected in Section II are accurate descriptions of the contractor, and that all other information provided in the form is true and correct to the best of the CPA's knowledge. The affidavit also provides a sworn statement that it is the CPA's professional opinion that the contractor meets the required criteria for resident veteran contractor certification.

The contractor, officer of the contractor business or the contractor's authorized representative must also sign the application, affirming that the statements made and information provided in the application are true and correct.

**APPROVALS AND PENALTIES**

TRD will examine the application and affidavit. If necessary, TRD may seek additional information to ensure the contractor's eligibility. If TRD determines that the contractor is eligible, it will issue a certificate to the contractor. If TRD determines that the contractor is not eligible, it will issue notification within 30 days. If such notification is not provided by the Department, the application is deemed approved.

A certificate is valid for three years from the date of issuance; provided that if there is a change of ownership of more than 50%, the applicant must reapply. A contractor must also reapply if it has changed its name, reorganized into one or more different legal entities or was purchased by or merged with another legal entity, but now operates in New Mexico as substantially the same commercial enterprise. In such a case, the certification of the contractor in its previous form will apply three years from the date of the previous certification, but only to the extent the contractor was eligible for certification in its previous form.

If an application is denied, the business has 15 days from the date of the denial to file an objection with TRD, submitting evidence to support the objection. TRD must review the evidence and issue a response to the objection within 15 days of the filing of the objection.

If following a hearing and an opportunity to be heard, TRD finds that a contractor provided false information to TRD in order to obtain a certificate or that a contractor used a certificate to obtain a preference and the contractor did not perform the percentage of the contract specified in the bid or proposal, the business:

1. Is not eligible to receive a certificate or preference for a period of five years from the date on which TRD became aware of the submission of the false information or the failure to perform the contract as specified in the bid or proposal; and
2. Is subject to an administrative penalty of up to \$50,000 for each violation.

**REVOCATIONS**

TRD will contemplate revoking an issued certificate if information is revealed that the holder's situation has changed and/or the business does not qualify as a resident veteran contractor. If TRD contemplates revocation, it will issue a Notice of Contemplated Action to the contractor. The contractor will be provided with an opportunity to request an administrative hearing on the matter.

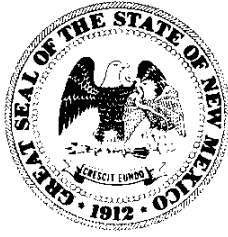
**APPLICATION AND FEE SUBMISSION**

Submit the application along with \$35 application fee to:

New Mexico Taxation and Revenue Department  
Santa Fe District Office  
PO Box 5374  
Santa Fe, NM 87502-5374

For questions concerning the application process please call (505) 827-0951.





STATE OF NEW MEXICO

**Alamogordo Public Schools**  
 In Collaboration With  
**PUBLIC SCHOOL CAPITAL OUTLAY**  
**PUBLIC SCHOOL FACILITIES AUTHORITY**  
 Santa Fe, New Mexico 87505

**Michelle Lujan Grisham**  
 GOVERNOR

**Joe Guillen**  
 CHAIR

**Jonathan Chamblin**  
 EXECUTIVE DIRECTOR

# NOTICE OF AWARD

TO:

DATE:

PROJECT:

PROJECT NO.

ITB REF NO.

Ladies and Gentlemen:

This letter is to advise you that the Alamogordo Public Schools, in conjunction with the Public School Capital Outlay Council – Public School Facilities Authority (PSFA), approved award of the construction contract to your firm for:

The Contract Price is as follows:

	Description	Amount: (General Contract)	Amount: (Other separate contract)
Base Bid Amount:		\$	
Alternate #1:			\$
Alternate #		\$	
Alternate #		\$	
Alternate #		\$	
Alternate #		\$	
Alternate #		\$	
Total Contract Amount:		\$	

Two (2) counterparts of each of the proposed Contract Documents (except Drawings) will be provided to you by the District for execution.

You must comply with the following conditions within ten (10) calendar days of the date of this Notice of Award, that is, by

1. You must deliver to the Owner two fully executed counterparts of the Agreement, including all Contract Documents. Each of the Contract Documents must bear your signature on the appropriate page. Provide both your State of New Mexico and Federal Tax Identification Numbers on the signature page.
2. You must deliver with the executed Agreement; the Contractor's Performance Bond, Labor and Material Payment Bond; Agent's Affidavit; Subcontractors List including contract amount of each, evidence of required bonds, costs of each bond, and beneficiary of each bond, evidence of DWS registration, evidence of CID licensure; Assignment of Antitrust Claims (required for the Contractor, all Subcontractors, and all Suppliers); Certificate of Insurance; State W-9; evidence of other bonds or documents as specified in the Bidding Documents; and, Schedule of Values; and,
3. OTHER CONDITIONS PRECEDENT (if none, write none)

---

Failure to comply with these conditions within the time specified will entitle the Owner to consider your bid abandoned, to annul this Notice of Award, and to declare your bid security forfeited.

Within thirty (30) days after you comply with these conditions, the Owner will return to you one fully signed counterpart of the Agreement with the Contract Documents attached.

You are reminded that prior to the first Payment Application, the Project Schedule will be required and prior to the second Payment Application, a schedule of submittals will be required.

By: \_\_\_\_\_  
DISTRICT REPRESENTATIVE  
ALAMOGORDO PUBLIC SCHOOL DISTRICT

By: \_\_\_\_\_  
PSFA REGIONAL MANAGER

Distribution to:

- District Purchasing Agent (original)
- PSFA Sr. Construction Manager (copy)
- PSFA Contracts Administrator (copy)
- Other \_\_\_\_\_

SAMPLE

# Agreement between the Owner and the Contractor

## 2019 Edition, Version 3.5

THIS DOCUMENT HAS IMPORTANT LEGAL CONSEQUENCES; CONSULTATION WITH AN ATTORNEY IS ENCOURAGED WITH RESPECT TO ITS COMPLETION

Project: Holloman Intermediate School  
Asbestos Abatement of Holloman Intermediate School  
Location: Holloman AFB Alamogordo, NM

Contract No.: 012-2021-C

PSFA Project No.:

Distribution to:



- District Representative (original)
- Contractor (original)
- PSFA Regional Manager (copy)
- PSFA Contracts Administrator (copy)
- Other \_\_\_\_\_

This Agreement entered into this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by and between the parties as follows:

**THE OWNER:**

ALAMOGORDO PUBLIC SCHOOLS  
1211 HAWAII AVE.  
ALAMOGORDO, NM 88310  
Telephone: (575) 812-6044  
Fax: (575) 812-6049

**THE CONTRACTOR:**

(NAME OF FIRM)  
(ADDRESS 1)  
(ADDRESS 2)  
(CITY/TOWN), NM (ZIP CODE)  
Telephone: (505) (PHONE)  
Fax: (505) (FAX NUMBER)

and, hereinafter "Owner" and,  
PSFA  IS  IS NOT a Co-Owner in this Agreement.

**CO-OWNER with OVERSIGHT:**

PUBLIC SCHOOL FACILITIES AUTHORITY  
1312 BASEHART ROAD, SE  
SUITE 200  
ALBUQUERQUE, NM 87106

Telephone: (505) (843-6272)  
Fax: (505) (843-9681)

### RECITALS



WHEREAS The Public School Capital Outlay Council (PSCOC) allocated funding from the Public School Capital Outlay Fund for the above referenced project on \_\_\_\_\_, 20\_\_;

WHEREAS, the District, otherwise known as the Owner, has entered into Agreement with the PSCOC and its Public School Facilities Authority (PSFA) to act as Co-Owner, oversee and manage the work and make direct payment of Owner-approved expenses;

WHEREAS, the Owner may also oversee and manage the work and make direct payment of Owner-approved expenses in collaboration and agreement with the PSFA;

WHEREAS the Owner, through its School Board, is authorized to enter into a construction contract for the Project pursuant to Sections 13-1-100 and 22-5-4, NMSA 1978; and

WHEREAS the Owner has let this contract according to the established State purchasing procedures for contracts of the type and amount let.

The OWNER and the CONTRACTOR agree as set forth below.

## **ARTICLE 1**

### **THE CONTRACT DOCUMENTS**

The Contract Documents consist of the following:

Bid Form	Notice to Proceed
Agreement Between Owner and Contractor	Conditions of the Contract (General, Supplementary, and Other Conditions)
Performance Bond	Drawings
Labor and Material Payment Bond	Specifications
Agent's Affidavit	All Addenda Issued Prior to and All Modifications Issued after Execution of This Agreement
Certificate of Insurance	
Assignment of Antitrust Claims	
Notice of Award	

These documents form the Contract, and all are as fully a part of the Contract as if attached to this Agreement or repeated herein. An enumeration of the Contract Documents appears in Article 7.

## **ARTICLE 2**

### **THE WORK**

The Contractor shall perform all the Work required by the Contract Documents for the following:

Asbestos Abatement of Holloman Intermediate School located at 580 Arnold Ave., Holloman Air Force Base, NM 88330 totaling 39,000 sq ft. and asbestos abatement of two portable buildings located on Holloman Intermediate School campus.

SAMPLE

**ARTICLE 3**

**TIME OF COMMENCEMENT AND SUBSTANTIAL COMPLETION**

The Work to be performed under this Contract shall commence not later than ten (10) consecutive calendar days after the date of written Notice to Proceed. Substantial Completion shall be achieved not later than Forty Five (45) calendar days after the date of written Notice to Proceed, except as hereafter extended by valid written Change Order by the Owner.

Should the Contractor neglect, refuse, or otherwise fail to complete the Work within the time specified for Substantial Completion, the Contractor agrees, in partial consideration for the award of this Contract, to pay to the Owner the amount of Five hundred Dollars (\$500) per consecutive calendar day, not as a penalty, but as liquidated damages for such breach of this Contract.

**ARTICLE 4**

**CONTRACT SUM**

The Owner shall pay the Contractor in current funds for the performance of the Work, subject to additions and deductions by Change Order as provided in the Contract Documents, the Contract Sum of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_).

The Contract sum is determined as follows:

	<b>STATE TO ADEQUACY 0.00%</b>	<b>DISTRICT TO ADEQUACY 0.00%</b>	<b>DISTRICT ABOVE ADEQUACY 100.00%</b>	<b>TOTAL</b>
Base Bid Amount		\$ -	\$ -	\$ -
Alternates (if any)	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -
Award Amount	\$ -	\$ -	\$ -	\$ -
Gross Receipts Tax @ 8.1250%	\$ -	\$ -	\$ -	\$ -
<b>Contract Sum</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

Breakdown of required labor, material and performance and payment bond costs.

Total cost of Contractor bond\* .....\$  
 Total cost of all Subcontractor bonds .....  
 Total cost of all project bonds.....\$

\*Contractor labor, material and performance and payment bond costs shall be calculated on Award Amount exclusive of GRT.

**ARTICLE 5**

## PROGRESS PAYMENTS

Based upon Applications for Payment submitted to the Owner by the Contractor and Certificates for Payment issued by the Owner, the Owner shall make progress payments on account of the Contract Sum to the Contractor as provided in the Contract Documents for the period ending the last day of the month as follows:

Not later than twenty-one (21) days following the end of the period covered by the Application for Payment of the portion of the Contract Sum properly allocable to labor, materials, and equipment incorporated in the Work and the portion of the Contract Sum properly allocable to materials and equipment suitably stored at the site or some other location agreed upon in writing for the period covered by the Application for Payment, less the aggregate of previous payments made by the Owner; less such amounts as the Owner shall determine for all incomplete Work and unsettled claims as provided in the Contract Documents.

Payments due and unpaid under the Contract Documents shall bear interest from the date payment is due at the rate provided by State statute regulating prompt payment.

## ARTICLE 6

### FINAL PAYMENT

Final payment, constituting the entire unpaid balance of the Contract Sum, shall be paid by the Owner to the Contractor within thirty (30) calendar days after notification of the Owner that all incomplete and unacceptable work that was noted during the Substantial Completion Inspection and listed on the attachment to the Certificate of Substantial Completion has been corrected, and provided the Contract has been fully performed, a Certificate for Final Completion and final Certificate for Payment has been issued by the Owner; and the Contractor has provided to the Owner a certified statement of Release of Liens (AIA Document G706A or approved form) and Consent of Surety and such other documents required by the General Conditions.

## ARTICLE 7

### GENERAL AND SPECIAL PROVISIONS

**7.1** This document shall be executed in no less than five (5) counterparts, each of which shall be deemed an original.

**7.2 Owner Provided Insurance.** The Owner will not provide Builder's Risk.

**7.2.1 Property Insurance/Builder's Risk.** Contractor shall provide insurance which will protect the interests of the Contractor and Subcontractors in the Work. Such property insurance shall be maintained, unless otherwise provided in the Contract Documents or otherwise agreed in writing by all persons and entities who are beneficiaries of such insurance, or until no person or entity other than the Owner has an

insurable interest in the property required by this Paragraph to be covered, whichever is later. This insurance shall include interests of the Owner, the Contractor, and Subcontractors in the Project.

**7.3** This Agreement shall be governed exclusively by the provisions hereof and by the laws of the State of New Mexico as the same from time to time exist.

**7.4** Terms used in this Agreement which are defined in the Conditions of the Contract shall have the meanings designated in those Conditions.

**7.5** As between the parties to this Agreement: As to all acts or failures to act by either party to this Agreement, any applicable statute of limitations shall commence to run and any alleged cause of action shall be deemed to have accrued in any and all events not later than the relevant Date of Substantial Completion of the Work; and as to any acts or failures to act occurring after the relevant Date of Substantial Completion, not later than the date of the Owner's approval of the Final Certificate of Payment.

**7.6** The Contractor shall hold harmless and indemnify the Owner against any and all injury, loss, or damage, including cost of defense - including but not limited to court costs and attorneys' fees - arising out of the negligent acts, errors, or omissions of the Contractor.

**7.7** This Agreement shall not become effective until:  
**A.** approved by the Public School Facilities Authority; and,  
**B.** signed by all parties required to sign this Agreement.

**7.8** The Contractor and his agents and employees are independent contractors and are not employees of the Owner or the State of New Mexico. The Contractor and his agents and employees shall not accrue leave, retirement, insurance, bonding, use of State vehicles, or any other benefits afforded to employees of the Owner or the State of New Mexico as a result of this Agreement.

**7.9** The Contractor, upon Final Payment of the amounts due under this Agreement, releases the Owner, his officers and employees, and the State of New Mexico from his liabilities and obligations arising from or under this Agreement, including but not limited to all damages, losses, costs, liability, and expenses, including but not limited to attorneys' fees and costs of litigation that the Contractor may incur.

**7.10** The Contractor agrees not to purport to bind the Owner or the State of New Mexico to any obligation not assumed herein by the Owner or the State of New Mexico unless the Contractor has express written authority to do so, and then only within the strict limits of that authority.

**7.11 Notices.** All notices herein provided to be given, or which may be given, by either party to the other shall be deemed to have been fully given when made in writing and deposited in the United States mail postage prepaid, in the instance of Notice of Termination of Work, Certified Mail, Federal Express, or similar verifiable delivery method addressed as follows:

OWNER: ALAMOGORDO PUBLIC SCHOOLS  
CHIEF PROCUREMENT OFFICER  
1211 HAWAII AVE.  
ALAMOGORDO, NM 88310

PUBLIC SCHOOL FACILITIES  
AUTHORITY  
1312 BASEHART ROAD, SE  
SUITE 200  
ALBUQUERQUE, NM 87106

CONTRACTOR: (NAME OF COMPANY)  
(ADDRESS 1)  
(ADDRESS 2)  
(CITY/TOWN), NM (ZIP CODE)

Nothing herein contained shall preclude the giving of any such written notice by personal service. The address to which notices shall be mailed to either party may be changed by written notice given by such party to the other as herein above provided.

**7.12 Gender, Singular/Plural.** Words of any gender used in this Agreement shall be held and construed to include any other gender, and words in the singular number shall be held to include the plural, unless the context requires otherwise.

**7.13 Captions and Section Headings.** The captions and section headings contained in this Agreement are for convenience of reference only, and in no way limit, define, or enlarge the terms, scope, and conditions of this Agreement.

**7.14** This document shall be executed in no less than five (5) counterparts, each of which shall be deemed an original.

**7.15 Certificates and Documents Incorporated.** All certificates and documentation required of the Contractor by the provisions of this Agreement shall be attached to this Agreement at the time of execution and are hereby incorporated by reference as though set forth in full in this Agreement to the extent they are consistent with its conditions and terms.

**7.16 Separability.** If any clause or provision of this Agreement is illegal, invalid, or unenforceable under present or future laws effective during the term of this Agreement, then and in that event it is the intention of the parties hereto that the remainder of this Agreement shall not be affected thereby.

**7.17 Waiver.** No provision of this Agreement shall be deemed to have been waived by either party unless such waiver be in writing signed by the party making the waiver and addressed to the other party; nor shall any custom or practice which may evolve between the parties in the administration of the terms hereof be construed to waive or lessen the right of either party to insist upon performance by the other

party in strict accordance with the terms hereof. Further, the waiver by any party of a breach by the other party of any term, covenant, or condition hereof shall not operate as a waiver of any subsequent breach of the same or any other term, covenant, or condition thereof.

**7.18 Entire Agreement.** This Agreement represents the entire contract between the parties and, except as otherwise provided herein, may not be amended, changed, modified, or altered without the written consent of the parties hereto. This Agreement incorporates all of the conditions, agreements, and understandings between the parties concerning the subject matter of this Agreement, and all such conditions, understandings, and agreements have been merged into this written Agreement. No prior condition, agreement, or understanding, verbal or otherwise, of the parties or their agents shall be valid or enforceable unless embodied in this written Agreement.

**7.19 Interchangeable Terms.** For purposes of all provisions within this Agreement and all attachments hereto, the terms "Agreement" and "Contract" shall have the same meaning and shall be interchangeable.

**7.20 Words and Phrases.** Words, phrases, and abbreviations which have well-known technical or trade meanings used in the Contract Documents shall be used according to such recognized meanings. In the event of a conflict, the more stringent meaning shall govern.

**7.21 Relationship of Contract Documents.** The Contract Documents are complementary, and any requirement of one contract document shall be as binding as if required by all.

**7.22** Pursuant to Section 13-1-191, NMSA 1978, reference is hereby made to the Criminal Laws of New Mexico (including Sections 30-14-1, 30-24-2, and 30-41-1 through 3, NMSA 1978) which prohibit bribes, kickbacks, and gratuities, violation of which constitutes a felony. Further, the Procurement Code (Sections 13-1-28 through 13-1-199, NMSA 1978) imposes civil and criminal penalties for its violation.

**7.23 Acknowledgement of Special Circumstances.** The prospective Contractor acknowledges that the site of construction is located within an active Military Installation i.e. Holloman Air Force Base. The prospective Contractor understands that it is the sole responsibility of the contractor to ensure that all crew and equipment will have access to the Military Installation. The prospective Contractor will not hold the Owner responsible for any lost wages or down time due to higher AFB clearances or any other unexpected closure that would bar access to the work site. The prospective Contractor also acknowledges that all requirements current and future imposed by the Military Installation relating to COVID 19 will be followed.

**7.24** The Contract Documents, which constitute the entire Agreement between the Owner and the Contractor, are listed in Article 1 and, except for Modifications issued after execution of this Agreement, are enumerated in this Paragraph 7.21.

**7.24.1** The following documents bound in the Asbestos Inspection Report dated: July 22, 2020

## DOCUMENTS

Division 00 – Procurement and Contracting Requirements

**\*\*\*\*\*Owner to include appropriate section number related to actual bid form used and strike out section not applicable\*\*\*\*\***

00 4113 Bid Form  
00 4336 Combined Subcontractor Listing and Assignment of Antitrust Claims  
00 5101 Notice of Intent to Award  
00 5102 Notice of Award  
00 5213 Agreement between Owner and Contractor  
00 5501 Notice to Proceedf  
00 6113 Performance Bond  
00 6114 Labor and Material Payment Bond  
00 6129 Agent's Affidavit – Construction Contract Bonds  
00 6131 Bond Review Form – Construction Contract Bonds  
00 6216 Certificate of Insurance  
  
00 7200 General Conditions of the Contract  
00 7300 Supplementary Conditions  
----- Addenda and Modifications



**7.24.2 Addenda**

No. \_\_\_\_\_ Description \_\_\_\_\_ Date \_\_\_\_\_

No. \_\_\_\_\_ Description \_\_\_\_\_ Date \_\_\_\_\_

No. \_\_\_\_\_ Description \_\_\_\_\_ Date \_\_\_\_\_

No. \_\_\_\_\_ Description \_\_\_\_\_ Date \_\_\_\_\_

**END OF ARTICLE 7**

Contract No.:

PSFA Project No.:

---

**AGREED: This Agreement is entered into as of the day and year first written above.**

**CONTRACTOR**

By:  
Printed Name:  
Title:

Date:

Federal Identification Number:  
NM CRS Identification Number:

**OWNER:**

By:  
Printed Name:  
Title: District Representative

Date:

---

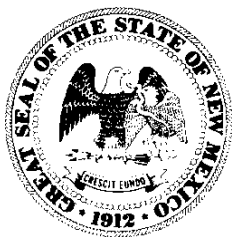
**APPROVED: This Agreement is entered into as of the day and year first written above.**

**PUBLIC SCHOOL FACILITIES AUTHORITY**

By:  
Printed Name:  
Title: -

Date:

# AGENT'S AFFIDAVIT



THIS FORM MUST  
BE USED BY  
SURETY

(To be filled in by Agent)

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

\_\_\_\_\_, being first duly sworn, deposes and says  
that he /

she is the duly appointed agent for  
and is  
licensed in the State of New Mexico.

Deponent further states that a certain bond was given to indemnify the State of New  
Mexico in connection with the construction of

dated the \_\_\_\_\_ day of \_\_\_\_\_, 20\_, executed by  
Contractor, as principal, and \_\_\_\_\_, as surety, signed by  
this Deponent; and Deponent further states that said bond was written, signed, and  
delivered by him/her; that the premium on the same has been or will be collected by  
him/her; and that the full commission thereon has been or will be retained by him/her.

---

---

Subscribed and sworn to before me, a notary public in and for the County of,  
, this \_\_\_\_\_ day of \_\_\_\_\_, 20\_.

Notary Public

My Commission Expires:

AGENT'S ADDRESS:

Telephone

**Instructions:**

1. **Contractor shall attach pre-signed or un-signed form to Performance Bond and Labor and Material Bond and submit to Owner with Post-Bid submittals (see Section 00 2113 - Instructions to Bidders).**
2. **District shall review Surety for acceptability and, if approved, sign form prior to approval of Contract.**
3. **After review and approval of bonds, District shall include signed form with approved Contract in transmittal to PSFA.**

REVIEW AND APPROVAL:

This Bond has been executed by a Surety named in the current list of "companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies," as published in Circular 570 (amended) by the Audit Staff Bureau of Accounts, United States Treasury Department.

APPROVED:

By: \_\_\_\_\_  
Owner's Representative or Governing Authority

Date: \_\_\_\_\_



# MODIFICATION / CHANGE REQUEST

PROJECT NAME: XXXXXXXXXXXX PROJECT NUMBER: XXXXXXXXXXXX

M/CR LOG NUMBER \_\_\_\_\_ (Assigned by DP or PSFA) Current Date \_\_\_\_\_

REQUESTED BY DISTRICT REP (DR)  CONTRACTOR  DP  PSFA  INITIAL \_\_\_\_\_

WHO HAS REQUESTED THE WORK BE DONE \_\_\_\_\_  
ie; user group name/individual/contractor/subcontractor/ etc.

**DESCRIPTION OF CHANGE** ATTACHMENT(S) YES  NO   
First why, then how.

**OWNER REVIEW OF CONTENT AND/OR FEASIBILITY** INITIAL \_\_\_\_\_ DATE \_\_\_\_\_  
DR  
INITIAL \_\_\_\_\_ DATE \_\_\_\_\_  
PSFA

- DO NOT PROCEED
- PROCEED WITH ESTIMATE OF COSTS ONLY (within 10 calendar days of receipt of this MCR)!
- PROCEED WITH WORK, ESTIMATES OF COSTS TO FOLLOW (estimate within 10 days of receipt of this MCR)!

**A/E – ESTIMATED COST OF REQUIRED DESIGN WORK:** (estimate within 5 days; Incl ude breakdown of costs)  
\$ \_\_\_\_\_ Initial \_\_\_\_\_ Date \_\_\_\_\_  
Project DP

**PROCEED WITH DESIGN:** (Forward proposed costs of work to OWNER for approval, include GRT)  
APPROVED AMOUNT \$ \_\_\_\_\_ Initial \_\_\_\_\_ Date \_\_\_\_\_  
DR PSFA

**CONTRACTOR'S PROPOSED COST:** (Include backup, include GRT)  
APPROVED AMOUNT \$ \_\_\_\_\_ Initial \_\_\_\_\_ Date \_\_\_\_\_  
DR PSFA

**MUST BE COMPLETED TO FINALIZE:** INITIAL \_\_\_\_\_ DATE \_\_\_\_\_  
DR  
INITIAL \_\_\_\_\_ DATE \_\_\_\_\_  
PSFA

- PROCEED WITH MODIFICATION OF WORK AND TO CONTRACT SUM (INCLUDE IN CHANGE ORDER)
- REJECTED BUT, REPLACED BY MCR # \_\_\_\_\_
- REJECTED – STOP ALL ACTION ON THIS REQUEST \_\_\_\_\_



Havona Environmental  
P.O. Box 35848  
Albuquerque, NM 87176

Phone: 505-232-9533  
Fax: 505-212-0069

July 22, 2020

# ASBESTOS INSPECTION REPORT

Holloman Intermediate School  
Alamogordo, NM

Prepared For:

Alamogordo Public School  
1211 Hawaii Avenue  
Alamogordo, NM 88310

\_\_\_\_\_  
Scott Puma  
Environmental Consultant



Havana Environmental  
P.O. Box 35848  
Albuquerque, NM 87176

Phone: 505-232-9533  
Fax: 505-212-0069

## ASBESTOS INSPECTION REPORT

**Date:** July 22, 2020

**Client:** Alamogordo Public Schools  
1211 Hawaii Ave.  
Alamogordo, NM 88310  
  
Attn: Justin Burks

**Site Address:** Holloman Intermediate School  
580 Arnold Avenue  
Holloman AFB, NM 88330

**Site Information:** The site consists of a school building and two portable buildings. The main school building is approximately 39,000 square feet and was added onto in 1974. The school building and portables were unoccupied at the time of the inspection and scheduled for demolition.

**Date of Inspection:** June 18<sup>th</sup> and July 9<sup>th</sup>, 2020

**Inspectors:** Scott Puma (Certification #ASO120KNMPSP22062)  
Junior Fresquez (Certification #ABIR-N2020-1025)



## INTRODUCTION

Havona Environmental, Inc. is pleased to present you with the results from the asbestos inspection conducted at Holloman Intermediate School located at 580 Arnold Avenue on Holloman Air Force Base, New Mexico. Havona Environmental was authorized by Tim Wolfe, Chief of Capital Outlay and Facilities. to conduct the inspection. All work performed at this site was done by accredited AHERA asbestos inspectors and in general accordance to all applicable regulations.

On June 18<sup>th</sup> and July 9<sup>th</sup>.2020 Scott Puma and Junior Fresquez. AH ERA accredited asbestos inspectors with Havona Environmental, conducted the inspection. The purpose of the inspection was to identify, map, and quantify the suspect asbestos containing materials from the interior and exterior of the school building and two portable classroom buildings.

## SITE INFORMATION

The site consists of an intermediate school building that is approximately 39,000 square feet and two portable classroom buildings. The original construction date of the main school building is unknown, but the multi-purpose addition was done in 1974. The main school building and portables are currently unoccupied and scheduled for demolition. Each building was inspected independently of one another.

### Main School Building

The interior of the school building consists of textured drywall. plaster, wood panel. CMU block, and ceramic block for the walls; lay in ceiling tile, plaster, and textured drywall for the ceilings; and vinyl floor tile, ceramic tile, carpet, and concrete for the floors. The exterior of the building is brick and stucco with a flat roof.

At this building, a total of ninety-six bulk samples were collected of twenty-seven homogeneous materials from interior and exterior of the building. The materials sampled included; cove base mastic, carpet mastic, glued on wall tile mastic, ceramic tile mastic, vinyl floor tile /mastic. textured drywall, taping compound. plaster, lay in ceiling tile. glued on wall tile\_ roof penetration tar, rolled roofing . rolled roofing seam tar. roof duct mastic, CMU block surface com pound . vermiculite, stucco. and door caulking.

Of the materials sampled, seven were identified to be asbestos containing materials (ACM). The materials identified to be ACM include two types of vinyl floor tile /mastic, taping compound. plaster. lay in ceiling tile, roof duct mastic , and stucco.

### Portable 1

The interior of the portable consists of wood panels for the walls; metal for the ceilings; and carpet and vinyl I floor tile for the floors . The exterior of the building is metal with a metal roof.

At portable 1, a total of nine bulk samples were collected of three homogeneous materials from interior of the portable. The materials sampled included; vinyl floor tile/mastic, felt paper, and chalk boards.

Of the materials sampled, one was identified to be ACM. The material identified to be ACM includes the chalk boards

**Portable 2**

The interior of the portable consists of wood panels for the walls; metal for the ceilings; and carpet and vinyl floor tile for the floors. The exterior of the building is metal with a metal roof.

At portable 2, a total of twelve bulk samples were collected of four homogeneous materials from interior of the portable. The materials sampled included; carpet mastic, vinyl floor tile/mastic, chalk boards, and window glazing.

Of the materials sampled, one was identified to be ACM. The material identified to be ACM includes the chalk boards

**RESULTS**

The following materials were sampled and identified by laboratory analysis to be asbestos containing materials or assumed to be ACM:

**Main School Building**

Material	Location	Quantity / Amount	Asbestos Content
12x12 Cream w/ Brown Streak Vinyl Floor Tile (Laminate), Black Mastic	30, 33, 34, HI	~1,855 Sq. Ft.	Tile: 2% Chrysotile Mastic: 4% Chrysotile
9x9 Rose Streaked Vinyl Floor Tile/ Black Mastic	Throughout Original Building	~21,850 Sq. Ft.	Tile: 2% Chrysotile Mastic: 4% Chrysotile
Taping Compound (B)	Classroom 12	~705 Sq. Ft.	• 1.75% Chrysotile
Plaster	HI (East Wall), HI Ceiling, HI In	1,960 Sq. Ft.	3% Chrysotile
2x4 Lay in Ceiling Tile B (Deep Squiggle) Plaster	Throughout Original Building	~22,050 Sq. Ft.	6% Amosite
Roof Duct Mastic (Lead)	Roof Ducts	~80 Sq. Ft.	4% Chrysotile
Exterior Stucco	Exterior	~2,850 Sq. Ft.	2% Chrysotile

Asbestos abatement contractors should verify quantities and amounts before bidding the project.

\*Point Count Analysis

**Portable 1**

Material	Location	Quantity/ Amount	Asbestos Content
Chalk Boards	Portable 1	~3 Chalk Boards 14 sq. ft.	20% Chrysotile

Asbestos abatement contractors should verify quantities and amounts before bidding the project.

Environmental Consulting & Testing

environmental consulting and testing

### Portable 2

Material	Location	Quantity/ Amount	Content
Chalk Boards	Portable 2	-4 Chalk Boards (4' x 1')	20% Chrysotile

Asbestos abatement contractors should verify quantities and amounts before bidding the project.

### Vinyl Floor Tile/Mastic

The asbestos containing vinyl floor tile and associated mastic are non-friable, miscellaneous materials that were in fair condition at the time of the sampling. Removal of this ACM is classified by OSHA as Class II work and categorized by NESHAP as Category I, Non-Friable.

### Plaster

The asbestos containing plaster is a non-friable, surfacing material that was in fair to damaged condition at the time of the sampling. Removal of this ACM is classified by OSHA as Class I work and categorized by NESHAP as Regulated Asbestos Containing Material (RACM).

### Taping/Joint Compound

The asbestos containing taping compound is a non-friable, miscellaneous material that was in fair condition at the time of the sampling. Removal of this ACM is classified by OSHA as Class II work and categorized by NESHAP as Regulated Asbestos Containing Material (RACM).

### 2x4 Lay in Ceiling Tile

The asbestos containing 2x4 lay in ceiling tiles are friable, miscellaneous materials that were in fair condition at the time of the sampling. Removal of this ACM is classified by OSHA as Class II work and categorized by NESHAP as Regulated Asbestos Containing Material (RACM).

### Roof Duct Mastic

The asbestos containing roof duct mastic is a non-friable, miscellaneous material that was in fair condition at the time of the sampling. Removal of this ACM is not classified by OSHA and categorized by NESHAP as Category II, Non-Friable.

### Chalk Boards

The asbestos containing chalk boards are non-friable, miscellaneous materials that were in fair condition at the time of the sampling. Removal of this ACM is classified by OSHA as Class II work and categorized by NESHAP as Category II, Non-Friable.

### Exterior Stucco

The asbestos containing stucco is a non-friable, surfacing material that was in fair condition at the time of the inspection. Removal of this ACM is classified by OSHA as Class I work and categorized by NESHAP as Category II, Non-Friable.



## LABORATORY ANALYSIS

Samples of suspect ACM were analyzed by CA Labs of Baton Rouge, Louisiana. CA Labs is an accredited laboratory recognized as a participant in the Department of Commerce, National Institute of Standards and Technology's. National Laboratory Accreditation Program (NVLAP # 200772-0).

Bulk samples were analyzed by Polarized Light Microscopy (PLM) and Point Count methods. Methodology: EPA 600/R-93 /116.

## ASBESTOS NESHAP TERMINOLOGY

Per the National Standards for Hazardous Air Pollutants (NESHAP), Subpart M-National Emission Standard for Asbestos Regulations, an "asbestos containing material" is defined as any material containing more than 1 % asbestos, as determined using the PLM method.

Materials reported with trace amounts of asbestos. less than 1%. are not regulated by EPA as ACM. OSHA identifies that it is the employer's responsibility in determining the applicability of 29CFR 1926.1101 in regards to employee exposure when materials containing less than 1% asbestos are disturbed.

**Category I non-friable ACM-is** asbestos containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than 1 % asbestos.

**Category II non-friable ACM-is** any material, excluding Category I that contains more than 1 % asbestos and is non-friable.

**Regulated Asbestos Containing Material (RACM)-is** friable asbestos material, Category I ACM that has become friable, Category I that will be disturbed and become friable, and Category II ACM that has a possibility of becoming friable in the course of demolition or renovation operations

## NESHAP REGULATIONS

Per NESHAP regulations, prior to the commencement of any demolition or renovation activity in the structure, all RACM must be removed from that structure if the construction activity would break, dislodge, or disturb these materials. NESHAP addresses not only friable ACM, but also those non-friable ACM's that could become friable as a result of demolition or renovation.

During renovation or demolition operations, materials may be uncovered that are different from those accessible for sampling during the survey. If suspect asbestos containing materials are found or uncovered during renovation or demolition, additional sampling should be performed to determine if the materials are asbestos containing materials.

## LIMITATIONS

This report has been prepared to assist the Alamogordo Public Schools in assessing the building materials at the sites specified above. This report only describes the conditions present at the time of the survey, in the areas surveyed. Other conditions may exist in areas that were not surveyed or inaccessible areas, such as, behind walls, above permanent ceilings, or below floors .

Havana Environmental will not be held responsible if additional contaminants are found at the property referenced above at a later date, or if contaminants are located at various locations on the property not included in the scope of work. Our professional services have been performed in a manner consistent with the level of care and skill ordinarily exercised by members of the professional community currently practicing under similar conditions in the locality of the project. No warranty, expressed or implied, is made or intended.

Havana Environmental is not responsible for any independent conclusions or recommendations made by others based on the services provided on this project. Havana assumes no liability for any loss, injury, claim or damages arising directly or indirectly from any use or reliance on this report to the opinions expressed herein.

**IF YOU CHOOSE TO REMOVE ASBESTOS CONTAINING MATERIALS, IT MUST BE DONE BY A LICENSED ASBESTOS ABATEMENT CONTRACTOR (GS-29). YOU MUST ALSO SUBMIT THE PROPER NOTIFICATIONS TO NMED-AIRQUALITY DEPARTMENT.**

**THIS REPORT SHOULD NOT BE REPRODUCED EXCEPT IN FULL!!**

If you have any questions or need additional information please contact Havana Environmental, Inc. at 505-232-9533. Thank you for allowing us to provide you with these services.

Respectfully Yours,



Scott Puma  
Environmental Consultant



Cissy Puma  
Environmental Consultant

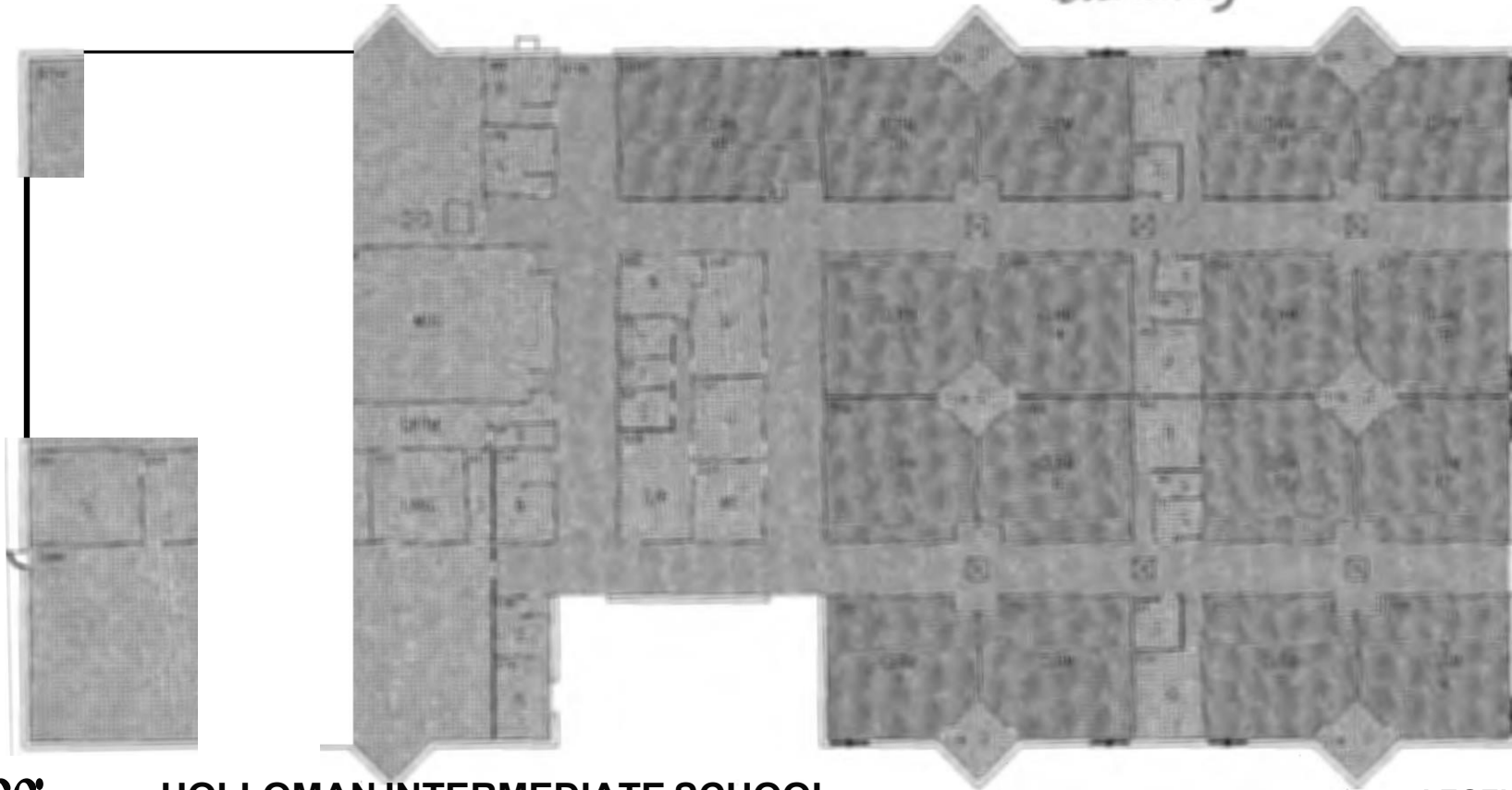
Attachments:            Appendix A: Functional Space and ACM Location Diagram  
                                 Appendix B: Material Sample Logs  
                                 Appendix C: Laboratory Results and Chain of Custody  
                                 Appendix D: Inspector's Certification

# APPENDIX A

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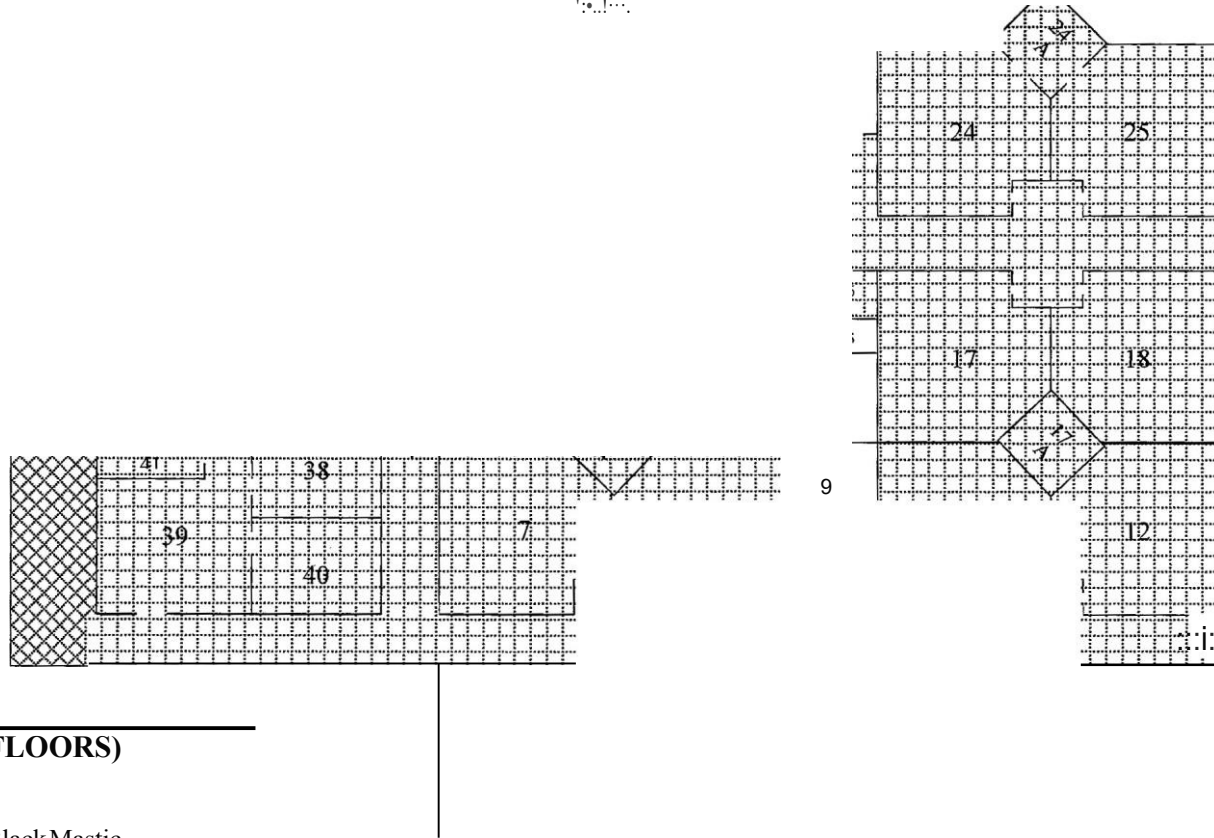
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**HOLLOMAN INTERMEDIATE SCHOOL**

OVERALL S.F. = 38,857

**LEGEND**  
INSTRUCTIONAL  
iiiii SUPPORT  
|| HALL

# FUNCTIONAL SPACE AND ACM LOCATION DIAGRAM



## LEGEND: ACM (FLOORS)

**m** 12x12 Vinyl Floor Tile/Black Mastic

**□** 9x9 Vinyl Floor Tile/Black Mastic

\*Roof Duct Mastic

\*Exterior Stucco Soffit

N

**Project:** Holloman Intermediate School (Original School Building)

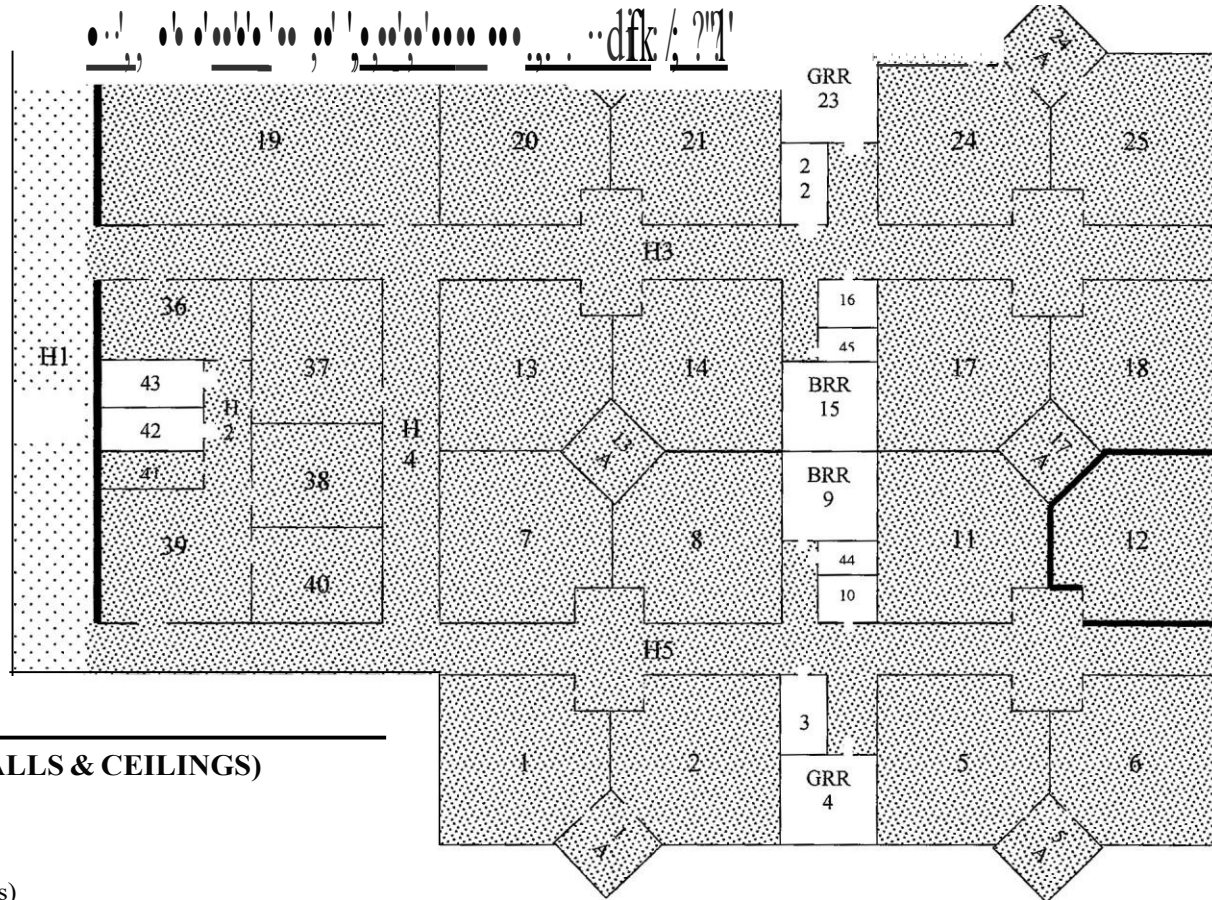
**Prepared For:** Alamogordo Public Schools

**Prepared by:** Scott Puma

**Date:** 7-22-2020



## FUNCTIONAL SPACE AND ACM LOCATION DIAGRAM



### LEGEND: ACM (WALLS & CEILINGS)

- Plaster (Walls)
- Taping Compound (Walls)

Plaster (Ceiling-Above Lay in Ceiling Tiles)  
2x4 Lay in Ceiling Tile

- \*Roof Duct Mastic
- \*Exterior Stucco Soffit

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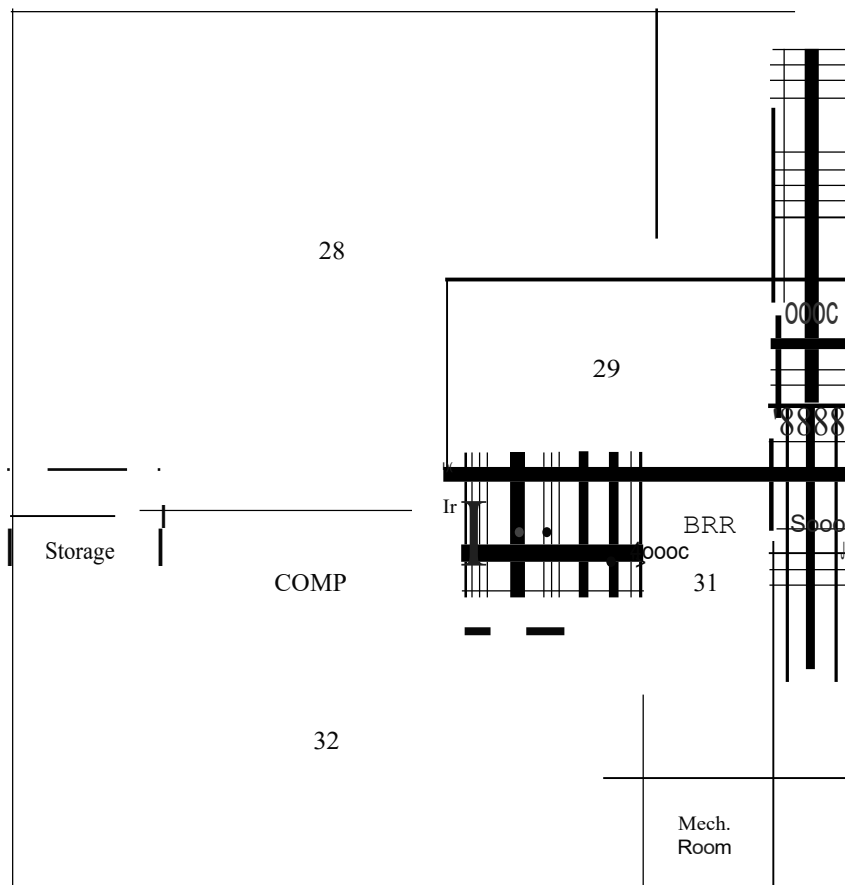
**Project:** Holloman Intermediate School (Original School Building)

**Prepared For:** Alamogordo Public Schools

**Prepared by:** Scott Puma

**Date:** 7-22-2020

# FUNCTIONAL SPACE AND ACM LOCATION DIAGRAM



## LEGEND: ACM

12x12 Vinyl Floor Tile/Black Mastic

f+M<sub>2x4</sub> Lay in Ceiling Tile  
\*Roof Duct Mastic



**Project:** Holloman Intermediate School  
(Addition)

**Prepared For:** Alamogordo Public Schools

**Prepared by:** Scott Puma

**Date:** 7-22-2020



## FUNCTIONAL SPACE AND ACM LOCATION DIAGRAM

Portable 2

Portable 1

### LEGEND: ACM

\*Transite Chalk Board (Portable 1 and 2)

1J  
N

**Project:** Holloman Intermediate School  
(Portables)

**Prepared For:** Alamogordo Public Schools

**Prepared by:** Scott Puma

**Date:** 7-22-2020

# APPENDIX B



## ASBESTOS INSPECTION MATERIAL SAMPLE LOG

Project: Holloman Intermediate School			Location: Alamogordo, NM				
Prepared For: Alamogordo Public Schools			Inspection Date: June 18 and July 9, 2020				
Sample #	Material	Functional Space Location	Quantity	Material Type	Condition	Friable/ Non-Friable	Asbestos Content
HIS-M-IA1-1 , IA2-2, IA3-3	Cove Base Mastic Brown	Throughout	NIA	Misc.	Fair	NF	None Detected
HIS-M-181-4, 1B2-5, 183-6	Carpet Mastic Detected (Yellow White)	32, Computer Lab, 40, 38, 37, hall 2, 20, 21, 13, 14, 22, 16, 24, 25, 18, 17, 12, 11, 6, 5, 3, 10, 8, 7, 1, 2	NIA	Misc.	Fair	NF	None
HIS-M-1C1-7, 1C2-8	1x1 Wall Tile Mastic! {Brown	29	NIA	Misc.	Fair	NF	None Detected
HIS-M-1D1-9, 1D2-10, 1D3-11	1x1 Ceramic Tile Mastic Tan	Restrooms	NIA	Misc.	Fair	NF	None Detected
HIS-M-2A1-12, 2A2-13, 2A3-14	12x12 Cream w/ Brown Streak Vinyl Floor Tile (A)/ <del>Black Mastic</del>	30, 33, 34, HI	-1,855 Sq. Ft.	Misc.	Fair	NF	Tile: 2% Chrysotile Mastic: 4% Chrysotile
HIS-M-2B1-15, 2B2-16	12x12 Off-White Brown Spackled Vinyl Floor Tile (B)/ Yellow Mastic	28	NIA Misc.	Fair	NF	Tile: None Detected	Mastic: None Detected
HIS-M-2C1-17, 2C2-18, 2C3-19	9x9 Rose Streaked Vinyl Floor Tile/ Black Mastic	Throughout Original School Building (Under carpet in some areas	-21,650 Sq. Ft.	Misc.	Fair	NF	Tile: 2% Chrysotile Mastic: 4% Chrysotile
HIS-A-4A1-20, 4A2-21, 4A3-22	Textured Drywall (A) Orange Peel	32, 37, 39	NIA	Surfacing	Fair	NF	None Detected
HIS-M-4B1-23, 4B2-24, 4B3-25	Taping Compound A	32, 37, 39	NIA	Misc.	Fair	NF	*Trace Chrysotile

HIS-S-4C1-26, 4C2-27, 4C3-28, 4C4-29, 4C5-30, 4C6-31, 4C7-32	Textured Drywall (B) Smooth	Throughout Original School Building	NIA	Surfacing	Fair	NF	None Detected
HIS-M-4D1-33, 4D2-34, 4D4-36, 4D5-37	Taping Compound (B)	Throughout Original School Building	NIA	Misc.	Fair	NF	None Detected
<b>HIS-M-4D3-35</b>	<b>Taping Compound (B)</b>	<b>Classroom 12</b>	<b>-705 Sq. Ft.</b>	<b>Misc.</b>	<b>Fair</b>	<b>NF</b>	<b>*1.75% Chrysotile</b>
HIS-S-4E1-38, 4E2-39, 4E3-40	Textured Drywall (C) Drag Down	28, Storage, Computer Lab	NIA	Surfacing	Fair	NF	None Detected
HIS-M-4F1-41, 4F2-42, 4F3-43	Taping Compound (C)	28, Storage, Computer Lab	NIA	Misc.	Fair	NF	None Detected
<b>IUS-S-4G1-44, 4G2-45, 4G3-46</b>	<b>Plaster</b>	<b>H1 (East Wall), H1 Ceiling-Above Lay In</b>	<b>1,960 Sq. Ft.</b>	<b>Surfacing</b>	<b>Fair to Damaged</b>	<b>NF</b>	<b>3% Chrysotile</b>
HIS-M-5A1-47, 5A2-48, 5A3-49	2x4 Lay in Ceiling Tile A (Squiggly)	Addition	NIA	Misc.	Fair	F	None Detected
<b>IUS-M-5B1-50, 5B2-51, 5B3-52</b>	<b>2x4 Lay in Ceiling Tile B (Deep Sault/IV Pattern)</b>	<b>Throughout Original School Building</b>	<b>-22,050 Sq. Ft.</b>	<b>Misc.</b>	<b>Fair</b>	<b>F</b>	<b>6% Amosite</b>
HIS-M-5C1-53, 5C2-54, 5C3-55	2x4 lay in Ceiling Tile C (Bumpy w/Small Holes)	42,43	NIA	Misc.	Fair	F	None Detected
HIS-M-5D1-56, 5D2-57	1x1 Glued on Wall Tile	29	<b>NIA</b>	Misc.	Fair	NF	None Detected
HIS-M-9A1-58, 9A2-59, 9A3-60	Roof Penetration Tar	Roof	NIA	Misc.	Fair	NF	None Detected
HIS-M-9B1-61, 9B2-62, 9B3-63	Rolled Roofing (Grey)	Roof	NIA	Misc.	Fair	NF	None Detected
HIS-M-9C1-64, 9C2-65, 9C3-66	Rolled Roofing Seam Tar	Roof	NIA	Misc.	Fair	NF	None Detected
<b>HIS-M-9D1-67, 9D2-68, 9D3-69</b>	<b>Roof Duct Mastic (Black)</b>	<b>Roof Ducts</b>	<b>-80 Sq. Ft.</b>	<b>Misc.</b>	<b>Fair</b>	<b>NF</b>	<b>4% Chrysotile</b>
HIS-M-10A1-70, 10A2-71, 10A3-72	CMU Block Surface Compound	32, 28, 19, 20, 20A, 21, 24A, 25, 18, 12, 6, 5, 5A, 2, 1, 1A	NIA	Misc.	Fair	NF	*Trace% Chrysotile
HIS-M-10B1-73, 10B2-74, 10B3-75	Vermiculite Insulation Fill	28	NIA	Misc.	Fair	F	*Trace% Tremolite
<b>HIS-M-10C1-76, 10C2-77, 10C3-78</b>	<b>Exterior Stucco</b>	<b>Exterior Soffits on Original School Building:</b>	<b>-2,850 Sq. Ft.</b>	<b>Misc.</b>	<b>Fair</b>	<b>NF</b>	<b>2% Chrysotile</b>

HIS-M-10D1-79, 10D2-80, 10D3-81	Door Caulking	Exterior	NIA	Misc.	Fair	NF	None Detected
HIS-M-4H1-82, 4H2-83, 4H3-84, 4H4-85, 4H5-86, 4H6-87, 4H7-88, 4H8-89, 4H9-90, 4H10-91, 4H11-92, 4H12-93, 4H13-94, 4H14-95, 4H15-96	Taping Compound (B)	Original School Building (Samples taken from 1, 3, 4, 5, 6, 11, 17, H3, 14, 7, 20, 21, 22, 25, 23)	NIA	Misc.	Fair	NF	None Detected

<b>Project:</b> Holloman Intermediate School (Portable 1)			<b>Location:</b> Alamogordo, NM				
<b>Prepared For:</b> Alamogordo Public Schools			<b>Inspection Date:</b> July 9, 2020				
Sample #	Material	Functional Space Location	Quantity	Material Type	Condition	Friable/ Non-Friable	Asbestos Content
HISP1-M-2A1-1, 2A2-2, 2A3-3	Beige Sheet Vinyl Floorin.	Portable 1	NIA	Misc.	Fair	NF	None Detected
HISP1-M-2B1-4, 2B2-5, 2B3-6	Tar Paper Vapor Barrier	Portable 1	NIA	Misc.	Fair	NF	None Detected
<b>HISP1-M-10A1-7, 10A2-8, 10A3-9</b>	<b>Transite Chalk Board</b>	<b>Portable 1</b>	<b>3</b>	<b>Misc.</b>	<b>Fair</b>	<b>NF</b>	<b>20% Chrysotile</b>

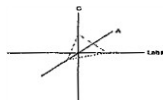
<b>Project:</b> Holloman Intermediate School (Portable 2)			<b>Location:</b> Alamogordo, NM				
<b>Prepared For:</b> Alamogordo Public Schools			<b>Inspection Date:</b> July 9, 2020				
Sample #	Material	Functional Space Location	Quantity	Material Type	Condition	Friable/ Non-Friable	Asbestos Content
HISP2-M-1A1 -1, 1A2-2, 1A3-3	Yellow Carpet Mastic	Portable 2	NIA	Misc.	Fair	NF	None Detected
HISP2-M-2A1-4, 2A2-5, 2A3-6	Cream Vinyl Floor Tile/ Yellow Mastic	Portable 2	NIA	Misc.	Fair	NF	Tile: None Detected Mastic : None Detected
<b>HISP2-M-10A1-7, 10A2-8, 10A3-9</b>	<b>Transite Chalk Boards</b>	<b>Portable 2</b>	<b>4</b>	<b>Misc.</b>	<b>Fair</b>	<b>NF</b>	<b>20% Chrysotile</b>
HISP2-M-10B1-10, 10B2-11, 10B3-12	Window Glazing	Portable 2	NIA	Misc.	Fair	NF	None Detected

# APPENDIXC



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**NVLAP #200772-0**  
**TDSHS #300370**  
**CDPHE #AL-18111**  
**LELAP #03069**

## **Materials Characterization - Bulk Asbestos Analysis**

### **Laboratory Analysis Report - Polarized Light**

#### **Havana Environmental**

P.O.Box 35848  
Albuquerque, NM 87176

Attn: Cissy Puma

Customer Project: Holloman Intermediate School Holloman Air Force B,  
Reference #: CBR20062728 Date: 6/23/2020

#### **Analysis and Method**

Summary of polarizing light microscopy (PLM / Stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Interim and EPA 600 / R-93 / 116 (Improved)). The sample is first viewed with the aid of stereomicroscopy. Numerous liquid slide preparations are created for analysis under the polarized microscope where identifications and quantifications are performed. Calibrated liquid refractive oils are used as liquid mounting medium. These oils are used for identification (dispersion staining). A calibrated visual estimation is reported, should any asbestiform mineral be present. Other techniques such as acid washing are used in conjunction with refractive oils for detection of smaller quantities of asbestos. All asbestos percentages are based on calibrated visual estimation traceable to NIST standards for regulated asbestos. Traceability to measurement and calibration is achieved by using known amounts and types of asbestos from standards where analyst and laboratory accuracy are measured. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 0.50% (well above the laboratory definition of trace).

#### **Discussion**

Vermiculite containing samples may have trace amounts of actinolite-tremolite, where not found by PLM should be analyzed using TEM methods and / or water separation techniques. Suspected actinolite/vermiculite presence will be indicated through the sample comment section of this report.

Fibrous talc containing samples may even contain a related asbestos fiber known as anthophyllite. Under certain conditions the same fiber may actually contain both talc and anthophyllite (a phenomenon called intergrowth). Again, TEM detection methods are recommended. CA Labs PLM report comments will denote suspected amounts of asbestiform anthophyllite with talc, where further analysis is recommended.

Some samples (floor tiles, surfacings, etc.) may contain fibers too small to be detectable by PLM analysis and should be analyzed by TEM bulk protocols.

A "trace asbestos" will be reported if the analyst observes far less than 1% asbestos. CA Labs defines "trace asbestos" as a few fibers detected by the analyst in several preparations and will indicate as such under these circumstances.

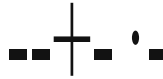
Quantification of <1% will actually be reported as <=1% (allowable variance close to 1% is high). Such results are ideal for point counting, and the technique is mandatory for friable samples (NESHAP, Nov. 1990 and clarification letter 8 May 1991) under 1% percent asbestos and the "trace asbestos". **In order to make all initial PLM reports issued from CA Labs NESHAP compliant, all <1% asbestos results (except floor tiles) will be point counted at no additional charge.**

#### **Qualifications**

CA Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PLM). All analysts have a college degree in a natural science (geology, biology, or environmental science) or are recognized by a state professional board in one of these disciplines. Extensive in-house training programs are used to augment education background of the analyst. The group leader of polarized light has received supplemental McCrone Research training for asbestos identification. This report is not covered by the scope of AIHA accreditation. Analysis performed at CA Labs, LLC 12232 Industriplex, Suite 32, Baton Rouge, LA 70809.

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NVLAP #200772-0  
TDSHS #300370  
CDPHE #AL-18111  
LELAP #03069

## Overview of Project Sample Material Containing Asbestos

**Customer Project:** Holloman Intermediate School Holloman Air Force 8; **CA Labs Project #:** CBR20062728

Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types
HIS-M-2A1-12	12-1	Tan Floor Tile	2% <b>Chrysotile</b>	<b>Tan Floor Tile</b> <b>Black Mastic</b> <b>White Textured Surfacing</b> <b>White Surfaced White Compound</b> <b>White Ceiling Tile</b> <b>Silver Surfaced Black Tar</b> <b>White Surfaced Gray CMU</b> <b>Gold Vermiculite Insulation</b>
	12-2	Black Mastic	4% <b>Chrysotile</b>	
HIS-M-2A2-13	13-1	Tan Floor Tile	2% <b>Chrysotile</b>	
	13-2	Black Mastic	4% <b>Chrysotile</b>	
HIS-M-2A3-14	14-1	Tan Floor Tile	2% <b>Chrysotile</b>	
	14-2	Black Mastic	4% <b>Chrysotile</b>	
HIS-M-2C1-17	17-1	Tan Floor Tile	2% <b>Chrysotile</b>	
	17-2	Black Mastic	4% <b>Chrysotile</b>	

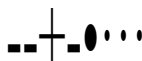
*Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):*

<b>ca</b> - carbonate	pe - perlite	fg - fiberglass	pa - palygorskite (clay)
gypsum - gypsum	qu - quartz	<b>mw</b> - mineral wool	
bi - binder		<b>wo</b> - wollastinite	
<b>or</b> - organic		ta - talc	
<b>ma</b> - matrix		sy - synthetic	
<b>mi</b> - mica		<b>ce</b> - cellulose	
ve - vermiculite		br - brucite	
ot - other		ka - kaolin (clay)	

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NVLAP #200772-0  
TDSHS #300370  
CDPHE #AL-18111  
LELAP #03069

## Overview of Project Sample Material Containing Asbestos

**Customer Project:** Holloman Intermediate School Holloman Air Force Bi **CALabs Project#:** CBR20062728

Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types
HIS-M-2C2-18	18-1	Tan Floor Tile	2% <i>Chrysotile</i>	
	18-2	Black Mastic	4% <i>Chrysoti/e</i>	
HIS-M-2C3-19	19-1	Tan Floor Tile	2% <i>Chrysoti/e</i>	
	19-2	Black Mastic	4% <i>Chrysotile</i>	
HIS-M-4B1-23	23-1	White Textured Surfacing	<1% <i>Chrysoti/e</i>	
HIS-M-4D3-35	35-1	White Surfaced White Compound	2% <i>Chrysoti/e</i>	
HIS-S-4G1-44	44-1	White Textured Surfacing	3% <i>Chrysotile</i>	
HIS-S-4G2-45	45-1	White Textured Surfacing	3% <i>Chrysoti/e</i>	

**Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):**

ca - carbonate	pe - perlite	fg - fiberglass	pa - palygorskite (clay)
gypsum - gypsum	qu - quartz	mw - mineral wool	
bi - binder		we - wollastinite	
or - organic		ta - talc	
ma - matrix		sy - synthetic	
mi - mica		ce - cellulose	
ve - vermiculite		br - brucite	
at - other		ka - kaolin (clay)	

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## Overview of Project Sample Material Containing Asbestos

**Customer Project:** Holloman Intermediate School Holloman Air Force B, **CA Labs Project #:** CBR20062728

Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type/ calibrated visual estimate percent	List of Affected Building Material Types
HIS-S-4G3-46	46-1	White Textured Surfacing	<b>3% Chrysotile</b>	
HIS-M-5B1-50	50-1	White Ceiling Tile	<b>6%Amosite</b>	
HIS-M-5B2-51	51-1	White Ceiling Tile	<b>6%Amosite</b>	
HIS-M-5B3-52	52-1	White Ceiling Tile	<b>6%Amosite</b>	
HIS-M-9D1-67	67-1	Silver Surfaced Black Tar	<b>4% Chrysotile</b>	
HIS-M-9D2-68	68-1	Silver Surfaced Black Tar	<b>4% Chrysotile</b>	
HIS-M-9D3-69	69-1	Silver Surfaced Black Tar	<b>4% Chrysotile</b>	
HIS-M-10A3-72	72-1	White Surfaced Gray CMU	<b>2% Chrysotile</b>	

**Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):**

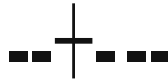
**ca** - carbonate  
 gypsum - gypsum  
**bi** - binder  
**or** - organic  
**ma** - matrix  
**mi** - mica  
**ve** - vermiculite  
 ot - other

pe - perlite  
 qu - quartz

fg - fiberglass  
**mw** - mineral wool  
 wo - wollastinite  
 ta - talc  
 sy - synthetic  
**ce** - cellulose  
**br** - brucite  
 ka - kaolin (clay)

pa - palygorskite (clay)

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## Overview of Project Sample Material Containing Asbestos

**Customer Project:** Holloman Intermediate School Holloman Air Force B, **CA Labs Project #:** CBR20062728

Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type/ calibrated visual estimate percent	List of Affecteq Building Material Types
HIS-M-10B1-73	73-1	Gold Vermiculite Insulation	<b>2% Chrysotile</b>	
HIS-S-10C1-76	76-1	Tan Surfaced Tan Plaster	<b>2% Chrysotile</b>	
HIS-S-10C2-77	77-1	Tan Surfaced Tan Plaster	<b>2% Chrysotile</b>	
HIS-S-10C3-78	78-1	Tan Surfaced Tan Plaster	<b>2% Chrysotile</b>	

*Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):*

ca - carbonate	pe - perlite	lg - fiberglass	pa - patygorsskite (clay)
gypsum - gypsum	qu - quartz	<b>mw - mineral wool</b>	
bi - binder		<b>wo - wollastinite</b>	
<b>or - organic</b>		ta-talc	
ma-matrix		sy - synthetic	
mi- mica		<b>ce - cellulose</b>	
<b>ve - vermiculite</b>		br- brucite	
at- other		ka - kaolin (clay)	

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Baton Rouge, LA 70809

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NVLAP #200772-0

TDSHS#300370

CDPHE #AL-18111

LELAP #03069

### Polarized Light Asbestiform Materials Characterization

**Customer Info:** Attn: Cissy Puma  
**Havona Environmental**

P.O.Box 35848  
Albuquerque, NM 87176

**Customer Project:**

Holloman Intermediate School  
Holloman Air Force Base

**Turnaround Time:** 3 day

**CA Labs Project#:**  
CBR20062728

**Date:** 6/23/2020

**Samples Received:** 6/22/2020

**Date Of Sampling:** 6/18/2020

**Purchase Order#:**

Phone# 505-232-9533

Fax# 505-256-8237

Sample#	Com Laver ment #	Analysts Physical Description of Subsample	Homog- eneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibroustype / percent
HIS-M-1A1- 1	1-1	White Compound	y	None Detected		100% qu, mi, ca
	1-2	Brown Mastic	y	None Detected		100% qu, bi
HIS-M-1A2- 2	2-1	Brown Mastic	y	None Detected		100% qu, bi
HIS-M-1A3- 3	3-1	Brown Mastic	y	None Detected		100% qu, bi
HIS-M-18 1- 4	4-1	Tan Mastic	y	None Detected		100% qu, bi
HIS-M-182- 5	5-1	Gray Carpet	y	None Detected	100% sy	
	5-2	White Mastic	y	None Detected		100% qu, bi

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)  
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining/ becke line method.

- |                 |                  |                   |                          |
|-----------------|------------------|-------------------|--------------------------|
| ca - carbonate  | mi • mica        | fg - fiberglass   | ce - cellulose           |
| gypsum - gypsum | ve - vermiculite | mw - mineral wool | br - brucite             |
| bi - binder     | ot - other       | wo - wollastinite | ka - kaolin (clay)       |
| or-organic      | pe • perlite     | ta - talc         | pa - palygorskite (clay) |
| ma - matrix     | qu • quartz      | sy - synthetic    |                          |

Approved Signatories:

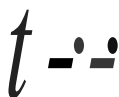
David Darby  
Analyst

Senior Analyst  
Alicia Stretz

Laboratory Director  
Chris Williams

1. Fire Damagesignificant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damageno significant fiber damages effecting fibrous percentages
3. Actinolite in association YlithVGrmiculite
4. Layernot analyzed • attached toPprevious positive layerand contamination is suspected
5. Not enough sample to analyze

6. Anthophyllite in association with FibrousTalc
7. Contamination suspected from other building materials
8. Favorable scenario for watGr separation on vermiculite for possible analysis by another method
9. < 1% Result paint counted positive
10. TCM analysis suggested



## Polarized Light Asbestiform Materials Characterization

**Customer Info:** Attn: Cissy Puma  
**Havona Environmental**  
 P.O. Box 35848  
 Albuquerque, NM 87176

**Customer Project:**  
 Holloman Intermediate School  
 Holloman Air Force Base  
**Turnaround Time:** 3 day

**CA Labs Project#:**  
 CBR20062728  
**Date:** 6/23/2020  
**Samples Received:** 6/22/2020  
**Date Of Sampling:** 6/18/2020  
**Purchase Order #:**

Phone# 505-232-9533  
 Fax# 505-256-8237

Sample#	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo- us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
HIS-M-183- 6		6-1	Green Carpet	Y	<b>None Detected</b>	100% sy	
		6-2	Tan Mastic	Y	<b>None Detected</b>		100% qu, bi
HIS-M-1C1- 7		7-1	Tan Ceiling Tile	Y	<b>None Detected</b>	15% fg 50% ce	35% qu, pe
		8-1	Tan Ceiling Tile	Y	<b>None Detected</b>	15% fg 50% ce	35% qu, pe
HIS-M-1C2- 8		8-2	Brown Mastic	Y	<b>None Detected</b>		100% qu, bi
		9-1	White Ceramic Tile	Y	<b>None Detected</b>		100% qu, ca, ot
HIS-M-101- 9		9-2	Gray Grout	Y	<b>None Detected</b>		100% qu, ma, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)  
 Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	lg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	at - other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

**(t).J. - - -**

David Darby  
 Analyst

Senior Analyst  
 Alicia Stretz

*Chris Williams*

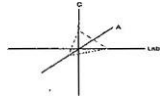
Laboratory Director  
 Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers  
 2. Fire Damage no significant fiber damage effecting fibrous percentages  
 3. Actinolite in association with Vermiculite  
 4. Layer not analyzed - attached to previous positive layer and contamination is suspected  
 5. Not enough sample to analyze

6. Anthophyllite in association with Fibrous Talc  
 7. Contamination suspected from other building materials  
 8. Favorable scenario for water separation on vermiculite for possible analysis by another method  
 9. <1% Result point counted positive  
 10. TEM analysis suggested

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**CDPHE #AL-18111**  
**LELAP #03069**

## Polarized Light Asbestiform Materials Characterization

**Customer Info:** Attn: Cissy Puma  
**Havona Environmental**  
P.O.Box 35848  
Albuquerque, NM 87176

**Customer Project:**  
Holloman Intermediate School  
Holloman Air Force Base  
**Turnaround Time:** 3 day

**CA Labs Project #:**  
CBR20062728  
**Date:** 6/23/2020  
**Samples Received:** 6/22/2020  
**Date Of Sampling :** 6/18/2020  
**Purchase Order #:**


Phone# 505-232-9533  
Fax# 505-256-8237


Sample#	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
HIS-M-1D2-10		10-1	White Ceramic Tile	Y	None Detected		100% qu, ca, ot
		10-2	Gray Grout	Y	None Detected		100% qu, ma, ca
HIS-M-1D3-11		11-1	White Ceramic Tile	Y	None Detected		100% qu, ca, ot
HIS-M-2A1-12		12-1	Tan Floor Tile	Y	2% <u>Chrysotile</u>		98% <u>qu</u> , ma, ca
		12-2	Black Mastic	Y	4% <u>Chrysotile</u>		96% qu, bi
HIS-M-2A2-13		13-1	Tan Floor Tile	Y	2% <u>Chrysotile</u>		98% qu, ma, ca
		13-2	Black Mastic	Y	4% <u>Chrysotile</u>		96% qu, bi

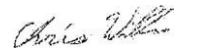
Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)  
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ct - other	we - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

  
David Darby  
Analyst

  
Senior Analyst  
Alicia Stretz

  
Laboratory Director  
Chris Williams

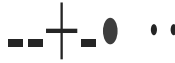
1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
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4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze

6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other blinding materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. <1% Result point counted positive
10. TEM analysis suggested



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Fax 225-751-5634



NVLAP #200772-0  
TDSHS #300370  
CDPHE #AL-18111  
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HIS-M-2A3-14		14-1	Tan Floor Tile	Y	2% <b>Chrysotile</b>		98% <u>qu</u> , ma, ca
		14-2	Black Mastic	Y	4% <b>Chrysotile</b>		96% <u>qu</u> , b.i
HIS-M-2B1-15		15-1	White Floor Tile	Y	<b>None Detected</b>		100% qu, ca
		15-2	Tan Mastic	Y	<b>None Detected</b>		100% <b>qu, bi</b>
HIS-M-2B2-16		16-1	White Floor Tile	Y	<b>None Detected</b>		100% <u>qu</u> , ca
		16-2	Tan Mastic	Y	<b>None Detected</b>		100% qu, bi
HIS-M-2C1-17		17-1	Tan Floor Tile	Y	2% <b>Chrysotile</b>		98% <u>qu</u> , ma, ca

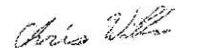
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ma - matrix	qu - quartz	sy - synthetic	

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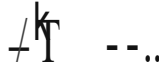
  
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Sample#	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		17-2	Black Mastic	y	4% Chrysotile		96% qu, bi
HIS-M-2C2-18		18-1	Tan Floor Tile	y	2% Chrysotile		98% qu, ma, ca
		18-2	Black Mastic	y	4% Chrysotile		96% qu, bi
HIS-M-2C3-19		19-1	Tan Floor Tile	y	2% Chrysotile		98% qu, ma, ca
		19-2	Black Mastic	y	4% Chrysotile		96% qu, bi
HIS-S-4A1-20		20-1	White Textured Surfacing	N	None Detected		100% qu, mi, bi, ca
		20-2	White Drywall with Paper	N	None Detected	10% ce	90% qu, gy

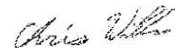
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or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

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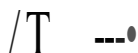
  
\_\_\_\_\_  
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Holloman Air Force Base

**Turnaround Time:** 3 day

**CA Labs Project #:**

CBR20062728

**Date:** 6/23/2020

**Samples Received:** 6/22 /2020

**Date Of Sampling:** 6/18/2 020

**Purchase Order #:**

Sample#	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (YIN)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
HIS -S-4A2- 21		21-1	White Textured Surfacing	N	<b>None Detected</b>		100% qu, mi, bi, ca
HIS-S-4A3- 22		22-1	Black Textured Surfacing	N	<b>None Detected</b>		100% qu, mi, bi, ca
HIS-M-481- 23		23-1	White Textured Surfacing	N	<b>&lt;1% Chrysotile</b>		100% qu, mi, bi, ca
HIS-M-482- 24		24-1	White Textured Surfacing	N	<b>None Detected</b>		100% qu, mi, bi, ca
		24-2	White Compound	Y	<b>None Detected</b>		100% qu, mi, ca
HIS-M-483- 25		25-1	Tan Textured Surfacing	N	<b>None Detected</b>		100% qu, mi, bi, ca
HIS-S-4C1- 26		26-1	White Compound	Y	<b>None Detected</b>		100% qu, mi, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for

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ca - carbonate	mi - mica	lg - fiberglass	ce - cellulose
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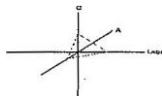
Laboratory Director  
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Sample#	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		26-2	White Drywall with Paper	N	None Detected	10%ce	90%qu, gy
HIS-S-4C2-27		27-1	Tan Textured Surfacing	N	None Detected		100% qu, mi, bi, ca
		27-2	White Drywall with Paper	N	None Detected	10%ce	90% qu, gy
HIS-S-4C3-28		28-1	White Surfaced White Compound	N	None Detected		100% qu, mi, bi, ca
		28-2	White Drywall with Paper	N	None Detected	10% ce	90% qu, gy
HIS-S-4C4-29		29-1	White Surfaced White Compound	N	None Detected		100% qu, mi, bi, ca
		29-2	White Drywall with Paper	N	None Detected	10% ce	90% qu, gy

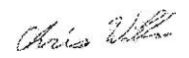
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Sample#	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
HIS-S-4C5-30		30-1	White Surfaced White Compound	N	<b>None Detected</b>		100% qu, mi, bi, ca
		30-2	White Drywall with Paper	N	<b>None Detected</b>	10%ce	90% qu, gy
HIS-S-4C6-31		31-1	Tan Surfaced White Compound	N	<b>None Detected</b>		100% qu, mi, bi, ca
		31-2	White Drywall with Paper	N	<b>None Detected</b>	10%ce	90% qu, gy
HIS-S-4C7-32		32-1	White Surfaced White Compound	N	<b>None Detected</b>		100% qu, mi, bi, ca
		32-2	White Drywall with Paper	N	<b>None Detected</b>	10%ce	90% qu, gy
HIS-M-4D133		33-1	White Surfaced White Compound	N	<b>None Detected</b>		100% qu, mi, bi, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)  
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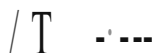
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		33-2	White Drywall with Paper	N	None Detected	10%ce	90% gu, gy
HIS-M-4D2-34		34-1	White Surfaced White Compound	N	None Detected		100% qu, mi, bi, ca
HIS-M-4D3-35		35-1	White Surfaced White Compound	N	2% Chrysotile		98% qu, mi, bi, ca
HIS-M-4D4-36		36-1	Tan Surfaced White Compound	N	None Detected		100% qu, mi, bi, ca
HIS-M-4D5-37		37-1	Tan Surfaced White Compound	N	None Detected		100% qu, mi, bi, ca
HIS-S-4E1-38		38-1	White Surfaced White Compound	N	None Detected		100% qu, mi, bi, ca
		38-2	White Drywall with Paper	N	None Detected	10%ce	90% gu, gy

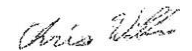
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TDSHS #300370  
~~ADPH #200712101~~  
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HIS-S-4E2-39		39-1		White Surfaced White Compound	N	None Detected		100% qu, mi, bi, ca
		39-2		White Drywall with Paper	N	None Detected	10% ce	90% gu, gy
HIS-S-4E3-40		40-1		White Surfaced White Compound	N	None Detected		100% qu, mi, bi, ca
		40-2		White Drywall with Paper	N	None Detected	10% ce	90% gu, gy
HIS-M-4F1-41		41-1		White Surfaced White Compound	N	None Detected		100% qu, mi, bi, ca
		41-2		White Drywall with Paper	N	None Detected	10% ce	90% gu, gy
HIS-M-4F2-42		42-1		White Surfaced White Compound	N	None Detected		100% qu, mi, bi, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)  
 Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of a sbestos types by dispersion attaining / becke line method.

ca - carbonate	mi- mica	lg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ct - other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synth etic	

Approved Signatories:

David Darby  
 Analyst

Senior Analyst  
 Alicia Stretz

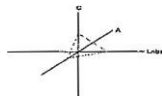
Laboratory Director  
 Chris Williams

1. Fire Damage significant fiber damage\* reported percentages reflect unaltered fibers  
 2. Fire Damage no significant fiber damages effecting fibrous percentages  
 3. Actinolite In association with Vermiculite  
 4. Layer not analyzed \* attached to previous positive layer and contamination is suspected  
 5. Not enough sample to analyze

6. Anthophyllite In association with Fibrous Talc  
 7. Contaminations suspected from other building materials  
 8. Favorable scenario for water separation on vermiculite for post lab analysis by another method  
 9. < 1% Result point counted positive  
 10. TEM analysis suggested

**CA Labs**  
**Dedicated to Quality**

**CA Labs, L.L.C.**  
 12232 Industriplex, Suite 32  
 Baton Rouge, LA 70809  
 Phone 225-751-5632  
 Fax 225-751-5634



**NVLAP #200772-0**  
**TDSHS #300370**  
**CDPHE #AL-18111**  
**LELAP #03069**

## Polarized Light Asbestiform Materials Characterization

**Customer Info:** Attn: Cissy Puma  
**Havona Environmental**  
 P.O. Box 35848  
 Albuquerque, NM 87176

**Customer Project:**  
 Holloman Intermediate School  
 Holloman Air Force Base  
**Turnaround Time:** 3 day

**CA Labs Project #:**  
 CBR20062728  
**Date:** 6/23/2020  
**Samples Received:** 6/22/2020  
**Date Of Sampling:** 6/18/2020  
**Purchase Order#:**


Phone# 505-232-9533  
 Fax# 505-256-8237


Sample#	Comment	Layer #	Analysts Physical Description of Subsample	Homo- geneous (YIN)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		42-2	White Drywall with Paper	N	None Detected	10%ce	90% qu, gv
HIS-M-4F3-43		43-1	White Surfaced White Compound	N	None Detected		100% qu, mi, bi, ca
		43-2	White Drywall with Paper	N	None Detected	10%ce	90% qu, gy
HIS-S-4G1-44		44-1	White Textured Surfacing	N	3% Chrysotile		97% qu, mi, bi, ca
HIS-S-4G2-45		45-1	White Textured Surfacing	N	3% Chrysotile		97% qu, mi, bi, ca
HIS-S-4G3-46		46-1	White Textured Surfacing	N	3% Chrysotile		97% qu, mi, bi, ca
HIS-M-5A1-47		47-1	White Surfacing	N	None Detected		100% qu, bi


Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)  
 Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining/ becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum- gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

  
 David Darby  
 Analyst

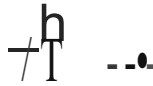
  
 Senior Analyst  
 Alicia Stretz

  
 Laboratory Director  
 Chris Williams

1. Fire Damage significant fiber damage- reported percentages reflect unaltered fibers  
 2. Fire Damage no significant fiber damages effecting fibrous percentages  
 3. Actinolite in association with Vermiculite  
 4. Layer not analyzed - attached to previous positive layer and contamination is suspected  
 5. Not enough sample to analyze

6. Anthophyllite in association with Fibrous Talc  
 7. Contamination suspected from other building materials  
 8. Favorable scenario for water separation on vermiculite for possible analysis by another method  
 9. < 1%... Result point counted positive  
 10. TEM analysis suggested





## Polarized Light Asbestiform Materials Characterization

**Customer Info:** Attn: Cissy Puma  
**Havona Environmental**  
 P.O.Box 35848  
 Albuquerque, NM 87176

**Customer Project:**  
 Holloman Intermediate School  
 Holloman Air Force Base  
**Turnaround Time:** 3 day

**CA Labs Project #:**  
 CBR20062728  
**Date:** 6/23/2020  
**Samples Received:** 6/22/2020  
**Date Of Sampling:** 6/18/2020  
**Purchase Order #:**

Phone# 505-232-9533  
 Fax# 505-256-8237

Sample#	Com ment	Layer #	Analysts Subsample	Physical Description of	Homo-geneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		47-2		Gray Ceiling Tile	y	None Detected	15% fg 50%ce	35% qu, pe
HIS-M-5A2-48		48-1		Gray Ceiling Tile	y	None Detected	15%fg 50%ce	35% qu, pe
HIS-M-5A3-49		49-1		Gray Ceiling Tile	y	None Detected	15% fg 50%ce	35% qu, pe
HIS-M-581-50		50-1		White Ceiling Tile	y	6%Amosite	40%fg	54% qu, ma, pe
HIS-M-582-51		51-1		White Ceiling Tile	y	6% Amosite	40%fg	54% qu, n
HIS-M-583-52		52-1		White Ceiling Tile	y	6%Amosite	40%fg	54% qu, n
HIS-M-5C1-53		53-1		White Covering	y	None Detected		100% qu,

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)  
 Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining/ becke line method.

<b>ca - carbonate</b>	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	<b>ve vermiculite</b>	<b>mw - mineral wool</b>	<b>br - brucite</b>
bi - binder	ot - other	wo - wollastinite	ka - kaolin (clay)
<b>or - organic</b>	pe - perlite	ta - talc	pa - palygorskite (clay)
<b>ma - matrix</b>	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby  
 Analyst

Senior Ani3-lyst  
 Alicia Stretz

Laboratory Director  
 Chris Williams

1. Fire Damage significant fiber damage reported percentages reflect altered fibers  
 2. Fire Damage no significant fiber damage effecting fibrous percentages  
 3. Actinolite in association with Vermiculite  
 4. Asbestos in association with Vermiculite  
 5. Not enough sample to analyze

6. Anthophyllite in association with Fibrous Talc  
 7. Contamination suspected from other building materials  
 8. Pay attention to color and texture on vermiculite for possible analysis by another method  
 9. Pay attention to color and texture on vermiculite for possible analysis by another method  
 10. TEM analysis suggested



**Polarized Light Asbestiform Materials Characterization**

**Customer Info:** Attn: Cissy Puma  
**Havona Environmental**  
 P.O. Box 35848  
 Albuquerque, NM 87176

**Customer Project:**  
 Holloman Intermediate School  
 Holloman Air Force Base  
**Turnaround Time:** 3 day

**CA Labs Project #:**  
 CBR20062728  
**Date:** 6/23/2020  
**Samples Received:** 6/22/2020  
**Date Of Sampling:** 6/18/2020  
**Purchase Order #:**

Phone# 505-232-9533  
 Fax# 505-256-8237

Sample#	Com ment	Layer #	Analysts Subsample	Physical Description of	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
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		53-2		Yellow Fibrous Insulation	Y	None Detected	100% fg	
HIS -M-5C2 - 54		54-1		White Covering	Y	None Detected		100% <u>qu</u> , ma, ca
		54-2		Yellow Fibrous Insulation	Y	None Detected	100% fg	
HIS-M-5C3- 55		55-1		White Covering	Y	None Detected		100% <u>qu</u> , ma, ca
		55-2		Yellow Fibrous Insulation	Y	None Detected	100% fg	
HIS-M-5D1- 56		56-1		Tan Ceiling Tile	Y	None Detected	15% fg 50%ce	35% <u>qu</u> , <u>pe</u>
HIS-M-5D2- 57		57-1		White Surfacing	Y	None Detected		100% <u>qu</u> , bi

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)  
 Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	lg - fiberglass	ce - cellulose
gypsum -gypsum	ve - vermiculite	mw - mineral \Y001	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby  
 Analyst

Senior Analyst  
 Alicia Stretz

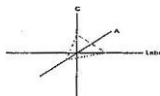
Laboratory Director  
 Chris Williams

1. Fire Damage significant fiber damage- reported percentagesreflect unaltered fibers  
 2. Fire Damageno significant fiber damages effecting fibrous percentages  
 3. Actinolite in association with Vermiculite  
 4. Layer not analyzed • attached to previous positivelayer and contamination is suspected  
 5. Not enough sample to analyze

6. Anthophyllite In association with Fibrous Talc  
 7. Contamination suspected from other building materials  
 8. Favorable scenario for water separation on vermiculite for possible analysis by another method  
 9. < 1% Resultpoint counted positive  
 1a. TEM analysis suggested

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Baton Rouge, LA 70809  
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Fax 225-751-5634



**NVLAP #200772-0**  
**TDSHS #300370**  
**CDPHE #AL-18111**  
**LELAP #03069**

## Polarized Light Asbestiform Materials Characterization

**Customer Info:** Attn: Cissy Puma  
**Havana Environmental**  
P.O.Box 35848  
Albuquerque, NM 87176

**Customer Project:**  
Holloman Intermediate School  
Holloman Air Force Base  
**Turnaround Time:** 3 day

**CA Labs Project #:**  
CBR20062728  
**Date:** 6/23/2020  
**Samples Received:** 6/22/2020  
**Date Of Sampling:** 6/18/2020  
**Purchase Order #:**


Phone# 505-232-9533  
Fax# 505-256-8237


Sample#	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
			57-2 Tan Ceiling Tile	Y	None Detected	15% fg 50% ce	35% qu, pe
HIS-M-9A1-58		58-1	Black Felt and Tar	N	None Detected	30% ce	70% qu, ma, bi
HIS-M-9A2-59		59-1	Black Felt and Tar	N	None Detected	30% ce	70% qu, ma, bi
HIS-M-9A3-60		60-1	Black Tar	Y	None Detected	15% ce	85% qu, ma, bi
HIS-M-9B1-61		61-1	Black Tar with White Gravel	N	None Detected	30% ce	70% qu, ma, bi
HIS-M-9B2-62		62-1	Black Tar with White Gravel	N	None Detected	30% ce	70% qu, ma, bi
HIS-M-9B3-63		63-1	Black Tar with White Gravel	N	None Detected	30% ce	70% qu, ma, bi

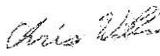
Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)  
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion staining/becke line method.

ca - carbonate	ml - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

  
David Darby  
Analyst

  
Senior Analyst  
Alicia Stretz

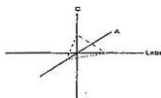
  
Laboratory Director  
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damage effecting fibrous percentages
3. Actinolite in association with Vermiculite
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6. Amphibyllite In association With Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. <1% Result point counted positive
10. TEM analysis suggested

**CA Labs**  
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**NVLAP #200772-0**  
**TDSHS #300370**  
**CDPHE #AL-18111**  
**LELAP #03069**

## Polarized Light Asbestiform Materials Characterization

**Customer Info:** Attn: Cissy Puma  
**Havana Environmental**  
P.O.Box 35848  
Albuquerque, NM 87176

**Customer Project:**  
Holloman Intermediate School  
Holloman Air Force Base  
**Turnaround Time:** 3 day

**CA Labs Project #:**  
CBR20062728  
**Date:** 6/23/2020  
**Samples Received:** 6/22/2020  
**Date Of Sampling:** 6/18/2020  
**Purchase Order #:**

Phone# 505-232-9533  
Fax# 505-256-8237

Sample#	Com of ment	Layer #	Analysts Subsample	Physical Description	Homo- geneo us (Y/N)	Asbestos type/ calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
HIS-M-9C1-64		64-1		Black Tar with White Gravel	N	None Detected	30%ce	70%qu, ma, bi
HIS-M-9C2-65		65-1		Black Tar with White Gravel	N	None Detected	30%ce	70% qu, ma, bi
HIS-M-9C3-66		66-1		Black Tar with White Gravel	N	None Detected	30%ce	70% qu, ma, bi
HIS-M-9D1-67		67-1		Silver Surfaced Black Tar	N	4% <b>Chrysotile</b>		96% qu, ma, bi
HIS-M-9O2-68		68-1		Silver Surfaced Black Tar	N	4% <b>Chrysotile</b>		96% qu, ma, bi
HIS-M-9O3-69		69-1		Silver Surfaced Black Tar	N	4% <b>Chrysotile</b>		96% qu, ma, bi
HIS-M-1QA1-70		70-		Tan Surfaced Gray CMU	N	None Detected		100% qu, ma, bi, ca, ot

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)  
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for

identification of asbestotypes by dispersion attaining/ becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	at - other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby  
Analyst

Senior Analyst  
Alicia tretz

Laboratory Director  
Chris Williams

1. Fire Damage significant fiber damage- reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damage effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze

6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

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 Quality

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**NVLAP #200772-0**  
**TDSHS #300370**  
**CDPHE #AL-18111**  
**LELAP #03069**

## Polarized Light Asbestiform Materials Characterization

**Customer Info:** Attn: Cissy Puma  
**Havana Environmental**  
 P.O.Box 35848  
 Albuquerque, NM 87176

**Customer Project:**  
 Holloman Intermediate School  
 Holloman Air Force Base  
**Turnaround Time:** 3 day

**CA Labs Project #:**  
 CBR20062728

**Date:** 6/23/2020  
**Samples Received:** 6/22/2020  
**Date Of Sampling:** 6/18/2020  
**Purchase Ord#tr #:**

Phone# 505-232-9533  
 Fax# 505-256-8237

Sample#	Com ment	Layor #	Analysts Subsample	Physical Description of	Homo- geneo us (Y/N)	Asbestos type/ calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
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HIS-M-10A2-71		71-1	Tan Surfaced Gray CMU		N	None Detected		ca, ot
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HIS-M-10A3-72		72-1	White Surfaced Gray CMU		N	2% Chrysotile		
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HIS-M-10B1-73	8,10	73-1	Gold Vermiculite Insulation		y	2% Chrysoti/e		
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HIS-M-10B2-74	8,10	74-1	Gold Vermiculite Insulation		y	None Detected		
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HIS-M-10B3-75	8,10	75-1	Gold Vermiculite Insulation		y	None Detected		
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HIS-S-10C1-76		76-1	Tan Surfaced Tan Plaster		N	2% Chrysotile		
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HIS-S-10C2-77		77-1	Tan Surfaced Tan Plaster		N	2% Chry soti/e		
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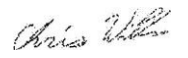
Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/1 16)  
 Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion types by dispersion attainin g / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ct - other	we - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

  
 David Darby  
 Analyst

  
 Senior Analyst  
 Alicia S. retz

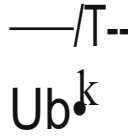
  
 Laboratory Director  
 Chris Williams

1. Fire Damagesignificantfiber damage-reportedpercentagesreflectunalteredfibers
2. Fire Damage no significant fiber damages reflecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze

6. Anthophyllite in association with Fibrous Talc
7. Contaminations suspected from other building materials
8. Favorable scenario for water separation on vermiculite or possible analysis by another method
9. < 1"/i, Result point counted positive
10. TEM analysis suggested

**CA Labs**  
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NVLAP #200772-0  
TDSHS #300370  
CDPHE #AL-18111  
LELAP #03069

## Polarized Light Asbestiform Materials Characterization

**Customer Info:** Attn: Cissy Puma  
**Havana Environmental**  
P.O.Box 35848  
Albuquerque, NM 87176

**Customer Project:**  
Holloman Intermediate School  
Holloman Air Force Base  
**Turnaround Time:** 3 day

**CA Labs Project #:**  
CBR20062728  
**Date:** 6/23/2020  
**Samples Received:** 6/22/2020  
**Date Of Sampling:** 6/18/2020  
**Purchase Order#:**

Phone# 505-232-9533  
Fax# 505-256-8237

Sample#	Com ment	Layer #	Analysts Subsample	Physical Description of	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
HIS-S-10C3-78		78-1		Tan Surfaced Tan Plaster	N	2% <b>Chrysotile</b>		98% qu, ma, bi, ca
HIS-M-10D1-79		79-1		Tan Surfaced White Sealant	N	<b>None Detected</b>		100% qu, ma, bi
HIS-M-10D2-80		80-1		Tan Surfaced White Sealant	N	<b>None Detected</b>		100% qu, ma, bi
HIS-M-10D3-81		81-1		Tan Surfaced White Sealant	N	<b>None Detected</b>		100% qu, ma, bi

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining/ becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - paigorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

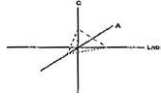
David Darby  
Analyst

Senior Analyst  
Alicia Stretz

Laboratory Director  
Chris Williams

1. Fire Damage significant fiber damage- reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damage effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed- attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze

6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. <1% Result point counted positive
10. TEM analysis suggested



**Polarized Light Asbestiform Materials Point Count**  
**Laboratory Analysis Report - Point Count**

**Analysis and Method**

Point counting was performed on a polarized light microscope with a calibrated reticle according to the revised NESHAP method of November 20, 1990 (Federal Register, V.55, N.224, 11/20/90). Original asbestos content of bulk materials was determined using procedures outlined in the interim method (40 CFR part 763, Appendix E to subpart E) and AHERA method (EPA-600/R-93/116). Samples were prepared using HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion staining/ becke line method.

**Qualifications**

CA Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PLM). All analysts have a college degree in a natural science (geology, biology, or environmental science) or are recognized by a state professional board in one of these disciplines. Extensive in-house training programs are used to augment education background of the analyst. The group leader of polarized light has received supplemental McCrone Research training for asbestos identification. This report is not covered by the scope of NVLAP or AIHA accreditation. Analysis performed at CA Labs, LLC 12232 Industriplex, Suite 32 Baton Rouge, LA 70809.

**Customer Info:** Attn: Cissy Puma  
**Havona Environmental**  
 P.O.Box 35848  
 Albuquerque, NM 87176

Phone# 505-232-9533  
 Fax# 505-256-8237

**Customer Project:**  
 Holloman Intermediate School  
 Holloman Air Force Base  
**Turnaround Time:** 3 day

**CA Labs Project #:**  
 CBR20062728  
**Date:** 6/23/2020  
**Samples Received:** 6/22/2020  
**Date Of Sampling:** 6/18/2020  
**Purchase Order #:**

Sample#	Layer #	Analysts Physical Description of Subsample	Homo-geneous (Y/N)	Point Counted % / Asbestos Type
HIS -M-4B1-23	23-1	White Textured Surfacing	N	Trace Chrysotile

This report relates to the items tested. This report is not to be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any other agency of the federal government. This report may not be reproduced except in full without written permission from CA Labs. These results are submitted pursuant to CA Labs' current terms and sale, condition of sale, including the company's standard warranty and limitations of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety (90) days before discarding. A shipping or handling fee may be assessed for the return of any samples.

Approved Signatories:

David Darby  
 Analyst

\_\_\_\_\_  
 Senior Analyst  
 Alicia Stretz

Laboratory Director  
 Chris Williams







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ha11ona erwlluffrmtal

Havona Environmental, Inc. Phone 505-232-9533  
 P.O. Box 35848 Fax 505-212-0069  
 Albuquerque, NM 87176

PLM BULK SAMPLE CHAIN OF CUSTODY

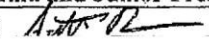
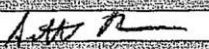
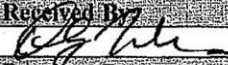
HillijV.6n 1:mj Nj--JmlB Holloman Intermediate School		Havona Client: Alamogordo Public Schools	
Holloman Air Force Base Alamogordo, NM		Havona Contact Information: Name: Cissy Puma Phone: 505-977-4938	
Sampled By: Scott Puma and Junior Fresquez		Date Sampled: 6-18-2020	
Sampler's Signature: <i>[Signature]</i>		Email: havonaenvironmental@yahoo.com	
Page: 2 of 6			
SAMPLE #	LOCATION	MATERIAL	COMMENT
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Relinquished By:	Date/Time:	Received By:	Date/Time:
<i>[Signature]</i>	6-19-2020	<i>[Signature]</i>	6-22-2020 10:00
Relinquished By:	Date/Time:	Received By:	Date/Time:

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ha vonaenvirunmental

Havona Environmental, Inc. Phone 505-232-9533  
 P.O. Box 35848 Pax 505-212-0069  
 Albuquerque, NM 87176

PLM BULK SAMPLE CHAIN OF CUSTODY

<b>Havona Project Name and Location:</b>		<b>Havona Client:</b>	
Holloman Intermediate School		Alamogordo Public Schools	
Holloman Air Force Base		<b>Havona Contact Information:</b>	
Alamogordo, NM		<b>Name:</b> Cissy Puma	<b>Phone:</b> 505-977-4938
<b>Sampled By:</b> Scott Puma and Junior Fresquez	Date Sampled: 6-18-2020	Email: havonaenvironmental@alwo.com	
<b>Sampler's Signature:</b> 		Page: 3   of 1	
<b>SAM</b>			
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<b>Relinquished By:</b> 	<b>Date/Time:</b> 6-19-2020	<b>Received By:</b> 	<b>Date/Time:</b> 6-22-2020 10:00
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havonaenv1ronrrten tal

Havona Environmental, Inc. Phone 505-232-9533  
 P.O. Box 35848 Fa.: 505-212-0069  
 Albuquerque, NM 87176

PLMBULK SAMPLE CHAIN OF CUSTODY

Holloman Intermediate School | Alamogordo Public Schools

Holloman Air Force Base | **Havona Contact Information:**  
 Alamogordo, NM | **Name:** Cissy Puma | **Phone:** 505-977-4938

**Sampled By:** Scott Puma and Junior Fresquez | **Date Sampled:** 6-18-2020 | **Email:** havonaenvironmental@yahoo.com

**Sampler's Signature:** *[Signature]* | **Page:** 4 of 6

SAMPLE #	LOCATION	MATERIAL	COMMENT
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Turn Around Time:	2-4 Hour	Same Day	24 Hour	2 Day	<b>3 Day</b>	5-10 Day	
Relinquished By:	<i>[Signature]</i>	Date/Time:	6-19-2020	Received By:	<i>[Signature]</i>	Date/Time:	6-22-2020 10:00
Relinquished By:		Date/Time:		Received By:		Date/Time:	

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havona P-,wr.,nmant.al

Havona Environmental, Inc. Phone 505-232-9533  
 P.O. Box: 35848 Fa.x 50 5-212-0069  
 Albuquerque, NM 87176

PLMBULK SAMPLE CHAIN OF CUSTODY

<b>Havona Project Name and Location:</b>		<b>Havona Client:</b>	
Holloman Intermediate School		Alamogordo Public Schools	
Holloman Air Force Base		<b>Havona Contact Information:</b>	
Alamogordo, NM		<b>Name:</b> Cissy Puma	<b>Phone:</b> 505-977-4938
<b>Sampled By:</b> Scott Puma and Junior Fresquez	<b>Date Sampled:</b> 6-18-2020	<b>Email:</b> havonaenvironmental@yahoo.com	
<b>Sampler's Signature:</b> <i>[Signature]</i>		<b>Page:</b> 5	<b>of</b> 6
SAMPLE #	LOCATION	MATERIAL	COMMENT
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<b>Turn Around Time</b>	2-4 Hour	Same Day	24 Hour
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			<u>3 Day</u>
			5-10 Day
<b>Relinquished By:</b> <i>[Signature]</i>	<b>Date/Time:</b> 6-19-2020	<b>Received By:</b> <i>[Signature]</i>	<b>Date/Time:</b> 6-22-2020 10.00
<b>Relinquished By:</b>	<b>Date/Time:</b>	<b>Received By:</b>	<b>Date/Time:</b>



**CA Labs**  
Dedicated to  
Quality

**CA Labs, L.L.C.**  
12232 Industriplex, Suite 32  
Baton Rouge, LA 70809  
Phone 225-751-5632  
Fax 225-751-5634



**NVLAP #200772-0**  
**TDSHS #300370**  
**CDPHE #AL-18111**  
**LELAP #03069**

## **Polarized Light Asbestiform Materials Point Count**

### **Laboratory Analysis Report - Point Count**

#### **Analysis and Method**

Point counting was performed on a polarized light microscope with a calibrated reticle according to the revised NESHAP method of November 20, 1990 (Federal Register, V.55, N.224, 11/20/90). Original asbestos content of bulk materials was determined using procedures outlined in the interim method (40 CFR part 763, Appendix E to subpart E) and AIHRA method (EPA-600/R-93/116). Samples were prepared using HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion staining/ becke line method .

#### **Qualifications**

CA Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PLM). All analysts have a college degree in a natural science (geology , biology , or environmental science) or are recognized by a state professional board in one of these disciplines. Extensive in-house training programs are used to augment education background of the analyst. The group leader of polarized light has received supplemental Mccrone Research training for asbestos identification. This report is not covered by the scope of NVLAP or AIHA accreditation. Analysis performed at CA Labs, LLC 12232 Industriplex, Suite 32 Baton Rouge, LA 70809 .

**Customer Info:**    **Attn:** CissyPuma  
**Havona Environmental**  
P.O.Box 35848  
Albuquerque, NM 87176

Phone#    505-232-9533  
Fax#        505-256-8237

**Customer Project:**  
  
Holloman Intermediate School  
Holloman Air Force Base  
**Turnaround Time:** 24 hr

**CA Labs Project #:**  
CBR20062728B  
  
**Date:**                                6/26/2020  
**Samples Received:**            6/25/2020  
**Date Of Sampling:**  
**Purchase Order#:**

Sample#	Layer #	Analysts Physical Description of Subsample	Homo-geneous (Y/N)	Point Counted % / Asbestos Type
HIS-M-403-35	35-1	White Surfaced White Compound	N	1.75% Chrysotile
HIS-M-10A3-72	72-1	White Surfaced Gray CMU	N	0.75% Chrysotile

This report relates to the items tested. This report is not to be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any other agency of the federal government. This report may not be reproduced except in full without written permission from CA Labs. These results are submitted pursuant to CA Labs' current terms and sale, condition of sale, including the company's standard warranty and limitations of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety (90) days before discarding. A shipping or handling fee may be assessed for the return of any samples.

Approved Signatories:

Sidney Pinkerton  
Analyst

Senior Analyst  
Alicia Stretz

Laboratory Director  
Chris Williams

CA LABS

CA.Labs,LLC

1191 J/lyd.Suite 31 /SZ  
t (t).MJif .LA1 809

Phone: 2.2.S-751-5632

Fax: 225..751-5634

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ProjectName: \_\_\_\_\_ a.z :2 t]AJYV^

Project Number: 2E:CBKJCV 728 Results Reported Via: Email Fax Ve al

Total # Samples Submitted: <u>2</u>	Total # Samples to be Analyzed: <u>2</u>	Material Matrix: A.ir/ ijul k/Wipe
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Circle analysis and TA time: Please call ahead for availability of all rusti/ afterhours samphr:s,

TEM:	AMERA	EPA Level II	Wipe	Micro-Vac	NIOSH 7402	ChatfieldJulk	J,\,mphibole Separaticm
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<u>PLM</u>	AMERA		<u>400 Point Counts</u>		<u>1000 Point Counts</u>		Gravimetric floi(ltCo!.Int
TAT	2 hour	4 hour	8 hour	<u>24 hour</u>		Zdav	3 day   5 da

Q ti J/IAQ:	Allergen: Tape/Bulk/Swab	Air-O-Cell	PCM	PCM(IWA)
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Lead:	Paint Chips	Soil	Wip	Air	TCLP
TAT	4h@t	8 hour	24 hour	2 da	Sday S day

Other anaysts: not listed; TAT: \_\_\_\_\_

Sample Information:

Sample Number:	Sample Location:	Sample Date/Time:	Sampl Volume(t)
	<u>See attached email:</u>		

Cu\$tdy Information: .lit./i/JPJ; sot.ti.nqu/sll cb

Email: Scott  
Signature/Date/Time

6/28/20 1:05 PM  
Samples received: Huma

Jennifer Wafers  
Signature/Date/Time

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Signature/Date/Time Samples received: \_\_\_\_\_  
Signature/Date/Time

data\COCs\New CPC



5/2020

CA.i.i. Mail - CBR20062728 Point Count



Administration Baton Rouge <calabsbr@calabsinc.com>

**CBR20062728 Point Count**

1 message

*CBR20062728B*

Thu, Jun 25, 2020 at 1:05 PM

havor1aertVironmenta1<havonaenviroomentaf@yahoo.com>  
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CBR20062728

Sample #

HIS-M-4D3-35

HIS-M-10A3-72

HIS-M-10B1-73 (Water S p rationAnalysis;)

Thank You!

Scott Pi,im

ehvitonmental Consultant

Havon Emtit onment al, l nc.

P;CL Box 3584\$

AJbuquerqu. NM87176

Phone: 505.977 4938

Fax: 605 256..S2\$7

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Dedicated to  
Quality

**Crisp Analytical, L.L.C.**

1929 Old Denton Road  
Carrollton, TX 75006  
Phone 972-242-2754  
Fax 972-242-2798

-/ | kc \_...

**CA Labs, L.L.C.**

12232 Industriplex, Ste 32  
Baton Rouge, LA 70809  
Phone 225-751-5632  
Fax 225-751-5634

**Transmission Electron Microscopy Report  
Laboratory Analysis Report  
EPA Research Method for Sampling and Analysis of Fibrous Amphiboles in  
Vermiculite Attic Insulation ( Modified )**

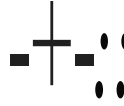
Havona Environmental  
PO Box 35848  
Albuquerque, **NM** 87176  
reference number: CBR20062796

**LABORATORY ANALYSIS:**

The following bulk samples were provided to be analyzed by transmission electron microscopy (TEM) following the Amphibole Separation Protocol. CA Labs is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM). **This analysis is not covered by the scope of accreditation by NVLAP or LELAP.** This test report relates only to the items tested. NVLAP Accreditation does not imply endorsement by any US Government agency. This report may not be reproduced except in full, without written permission by CA Labs. Currently, the EPA recommends considering any amount of actinolite/tremolite as a positive material. Smaller amounts of actinolite/tremolite may be more harmful than certain other asbestiform minerals.

These results are submitted pursuant to CA Labs' current terms and condition of sale, including the company's standard warranty and limitation of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety days before discarding. A shipping and handling fee may be assessed for the return of any samples.

Analysis performed at CA Labs, LLC 12232 Industriplex Blvd., Suite 32 Baton Rouge, LA 70809.  
We can be reached after hours by cellular at (225) 993-3471.



## Transmission Electron Amphibole Separation Report

Analysis Method: Modified EPA Research Method for Sampling and Analysis of Fibrous Amphiboles in Vermiculite Attic Insulation.  
Preparation Method: Flotation/ separation of vermiculite sample. "Sinks" and the "Suspended Particles Fraction" are prepared in parallel gravimetrically for analysis.

**Client Information:**  
Havona Environmental  
PO Box 35848  
Albuquerque, NM 87176

**Client Project:**  
Holloman School  
RE:CBR20062728

**CA Labs Project#:**  
CBR20062796

**Date of Sampling:**  
**Report Date:** 06/26/2020

**Phone:**  
**Fax:**

**Turnaround Time:** 24 hr  
**Attn:** Cissy Puma

**Samples Received:** 06/25/2020  
**Purchase Order #:**

Sample#	Non-asbestos structures	Asbestos Detected in "Sinks"?	Asbestos Detected in "Suspended Particles Fraction"?	Asbestos Type / Weight Percent (lower/ upper limit)
HIS-M-10B1-73	Vermiculite	Yes	N/A	Tremolite 0.50% - 0.61%

- \* "Suspended Particles Fraction" is used for analysis only when "Sinks" fraction is non-detected.
- \* Parallel analysis by the Chatfield TEM Bulk Method is used for quantification should an amphibole be detected.

NVLAP # 200772-0

Approved Signatories:

Christopher Williams  
Analyst

TDSHS # 30-0370

Christopher Willirius  
Laboratory Director

Alicia Stretz  
Senior Analyst

Note: Some samples (floor tilts, surfacing, etc.) may not obtain fibers too small to be detected by PLM. TEM Chatfield analysis of bulk material is recommended in this case. All asbestos percentages are based on calibrated visual estimates traceable to NIST standards for regulated asbestos types. Analysts' percentages fall within a range of acceptable percentages, depending on the actual concentration of asbestos. CA Labs is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for selected test methods for bulk asbestos fiber analysis (PLM) and airborne fiber analysis (TEM). This test report relates only to the items tested. Neither NVLAP, ATMA nor EPA accreditation implies endorsement by any US Government Agency. This report may not be reproduced except in full without written permission from CA Labs. This method is not covered under the scope of accreditation of NVLAP.

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Analysis performed at CA Labs, LLC 12232 Industriplex Blvd., Suite 32 Baton Rouge, LA 70809; phone (225) 751-5632, fax (225) 751-5634, mobile (225) 993-3471.





Administration Baton Rouge <calabsbr@calabsinc.com>

BR20062728 Point Count

message --

havona environmental <ihavonaenvronmental@yahoo.com>  
To: Adminlstr: \<m Bat<m Ro.uge<calabsbr@calabsinc:com>

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Ca,nyow please p.olntcountthe followfng sampleson TAT.  
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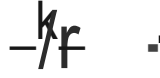
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Havcma :ErWironmental, Inc.  
P.O. Box 35\$48  
Alt,uquerqye, NM \$7170  
Phone ; 505-97T-'4938  
Fax: sos...,2:se-8237

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**CA Labs, L.L.C.**  
12232 Industriplex, Suite 32  
Baton Rouge, LA 70809  
Phone 225-751-5632  
Fax 225-751-5634



**NVLAP #200772-0**  
**TDSHS #300370**  
**CDPHE #AL-18111**  
**LELAP #03069**

## **Materials Characterization - Bulk Asbestos Analysis**

### **Laboratory Analysis Report - Polarized Light**

#### **Havana Environmental**

P.O.Box 35848  
Albuquerque, NM 87176

Attn: Cissy Puma

Customer Project: Holloman Intermediate School

Reference#: CBR20073100

Date: 7/15/2020

#### **Analysis and Method**

Summary of polarizing light microscopy (PIM / Stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Interim and EPA 600 / R-93 / 116 (Improved). The sample is first viewed with the aid of stereomicroscopy. Numerous liquid slide preparations are created for analysis under the polarized microscope where identifications and quantifications are performed. Calibrated liquid refractive oils are used as liquid mounting medium. These oils are used for identification (dispersion staining). A calibrated visual estimation is reported, should any asbestiform mineral be present. Other techniques such as acid washing are used in conjunction with refractive oils for detection of smaller quantities of asbestos. All asbestos percentages are based on calibrated visual estimation traceable to NIST standards for regulated asbestos. Traceability to measurement and calibration is achieved by using known amounts and types of asbestos from standards where analyst and laboratory accuracy are measured. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 0.50% (well above the laboratory definition of trace).

#### **Discussion**

Vermiculite containing samples may have trace amounts of actinolite-tremolite, where not found by PLM should be analyzed using TEM methods and / or water separation techniques. Suspected actinolite/vermiculite presence will be indicated through the sample comment section of this report.

Fibrous talc containing samples may even contain a related asbestos fiber known as anthophyllite. Under certain conditions the same fiber may actually contain both talc and anthophyllite (a phenomenon called intergrowth). Again, TEM detection methods are recommended. CA labs PIM report comments will denote suspected amounts of asbestiform anthophyllite with talc, where further analysis is recommended.

Some samples (floor tiles, surfacings, etc.) may contain fibers too small to be detectable by PIM analysis and should be analyzed by TEM bulk protocols.

A "trace asbestos" will be reported if the analyst observes far less than 1% asbestos. CA labs defines "trace asbestos" as a few fibers detected by the analyst in several preparations and will indicate as such under these circumstances.

Quantification of <1% will actually be reported as <=1% (allowable variance close to 1% is high). Such results are ideal for point counting, and the technique is mandatory for friable samples (NESHAP, Nov. 1990 and clarification letter 8 May 1991) under 1% percent asbestos and the "trace asbestos". **In order to make all initial PLM reports issued from CA Labs NESHAP compliant, all <1% asbestos results (except floor tiles) will be point counted at no additional charge.**

#### **Qualifications**

CA labs is accredited by the National Voluntary Accreditation Program (NVIAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PIM). All analysts have a college degree in a natural science (geology, biology, or environmental science) or are recognized by a state professional board in one these disciplines. Extensive in-house training programs are used to augment education background of the analyst. The group leader of polarized light has received supplemental McCrone Research training for asbestos identification. This report is not covered by the scope of AIHA accreditation. Analysis performed at CA Labs, ILC 12232 Industriplex, Suite 32 Baton Rouge, LA 70809.

**CA Labs**  
 Dedicated to  
 Quality

**CA Labs, L.L.C.**  
 12232 Industriplex, Suite 32  
 Baton Rouge, LA 70809  
 Phone 225-751-5632  
 Fax 225-751-5634



NVLAP #200n2-0  
 TDSHS #300370  
 CDPHE #AL-18111  
 LELAP #03069

**Overview of Project Sample Material Containing Asbestos**

<b>Customer Project:</b>	Holloman Intermediate School	<b>CA Labs Project #:</b>	CBR20073100
Sample #	Layer Analysts Physical Description of # Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types

**No Asbestos Detected.**

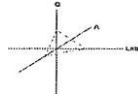
**Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):**

- |                  |            |                    |                          |
|------------------|------------|--------------------|--------------------------|
| ca - carbonate   | pe-perlite | fg - fiberglass    | pa - palygorskite (clay) |
| gypsum - gypsum  | qu-quartz  | mw - mineral wool  |                          |
| bi - binder      |            | wo - wollastinite  |                          |
| or - organic     |            | ta - talc          |                          |
| ma - matrix      |            | sy - synthetic     |                          |
| mi - mica        |            | ca - cellulose     |                          |
| ve - vermiculite |            | br - brucite       |                          |
| ot - other       |            | ka - kaolin (clay) |                          |

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Baton Rouge, LA 70809  
Phone 225-751-5632  
Fax 225-751-5634



**NVLAP #200772-0**  
**TDSHS #300370**  
**CDPHE #AL-18111**  
**LELAP #03069**

## Polarized Light Asbestiform Materials Characterization

**Customer Info:** Attn: Cissy Puma  
**Havana Environmental**  
P.O.Box 35848  
Albuquerque, NM 87176

**Customer Project:**  
Holloman Intermediate School

**CA Labs Project#:**  
CBR20073100

Phone# 505-232-9533  
Fax# 505-256-8237

**Turnaround Time:** 3 day

**Date:** 7/15/2020  
**Samples Received:** 7/13/2020  
**Date Of Saf Plng:** 7/9/2020  
**Purchase Order #:**

Sample#	Com men!	Layer #	Analysts Physical Description of Subsample	Homogeneous us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
HIS-M-4H1-82		82-1	White Surfaced White Plaster	N	<b>None Detected</b>		100% qu, ma, bi, ca
HIS-M-4H2-83		83-1	White Surfaced White Plaster	N	<b>None Detected</b>		100% qu, ma, bi, ca
HIS-M-4H3-84		84-1	White Surfaced White Plaster	N	<b>None Detected</b>		100% qu, ma, bi, ca
HIS-M-4H4-85		85-1	White Surfaced White Plaster	N	<b>None Detected</b>		100% qu, ma, bi, ca
HIS-M-4H5-86		86-1	White Surfaced White Plaster	N	<b>None Detected</b>		100% qu, ma, bi, ca
HIS-M-4H6-87		87-1	White Surfaced White Plaster	N	<b>None Detected</b>		100% qu, ma, bi, ca
HIS-M-4H7-88		88-1	White Surfaced White Plaster	N	<b>None Detected</b>		100% qu, ma, bi, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)

**Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.**

<b>ca - carbonate</b>	mi - mica	fg - fiberglass	ce - cellulose
gypsum • gypsum	<b>ve - vermiculite</b>	<b>mw - mineral wool</b>	<b>br - brucite</b>
bi - binder	ot - other	wo - wollastinite	ka - kaolin (clay)
<b>or - organic</b>	pe - perlite	ta - talc	pa - palygorskite (clay)
<b>ma - matrix</b>	qu - quartz	sy - synthetic	

Approved Signatories:

Daniel Lacour  
Analyst

Senior Analyst  
Alicia Strelz

Laboratory Director  
Chris Williams

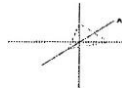
1. Fire Damagesignificant fiber damage reported percentages relative unaltered fibers
2. Fire Damage no significant fiber damage effecting fibrous percentages
3. Actinolite in association with Vermiculite:
4. Layer not analyzed - attached to previous positive layer and contaminations suspected
5. Not enough sample to analyze

6. Anthrophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite if possible analysis by another method
9. <1% Result point counted positive
10. TEM analysis suggested



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**NVLAP #200772-0**  
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**LELAP #03069**

## Polarized Light Asbestiform Materials Characterization

**Customer Info:** Attn: Cissy Puma  
**Havana Environmental**  
P.O.Box 35848  
Albuquerque, NM 87176

**Customer Project:**  
Holloman Intermediate School

**CA Labs Project #:**  
CBR20073100

Phone# 505-232-9533  
Fax# 505-256-8237

**Turnaround Time:** 3 day


**Date:** 7/15/2020  
**Samples Received:** 7/13/2020  
**Date Of Sampling:** 7/9/2020  
**Purchase Order #:**

Sample#	Com men!	Layer #	Analysts Physical Description of Subsample	Homo-geneo us (Y/N)	Asbestos type/ calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
HIS-M-4H8-89		89-1	Tan Surfaced White Plaster	N	None Detected		100% qu, ma, bi, ca
HIS-M-4H9-90		90-1	White Surfaced White Plaster	N	None Detected		100% qu, ma, bi, ca
HIS-M-4H10-91		91-1	White Surfaced White Plaster	N	None Detected		100% qu, ma, bi, ca
HIS-M-4H11-92	10	92-1	White Surfaced White Plaster	N	None Detected		100% qu, ma, bi, ca
HIS-M-4H12-93		93-1	White Surfaced White Plaster	N	None Detected		100% qu, ma, bi, ca
HIS-M-4H13-94		94-1	White Surfaced White Plaster	N	None Detected		100% qu, ma, bi, ca,
HIS-M-4H14-95		95-1	White Surfaced White Plaster	N	None Detected		100% qu, ma, bi, ca

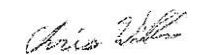
Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)  
**Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining/ becke line method.**

<b>ca - carbonate</b>	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	<b>ve - vermiculite</b>	<b>mw - mineral wool</b>	<b>br - brucite</b>
bi - binder	at - other	wo - wollastinite	ka - kaolin (clay)
<b>or - organic</b>	pe - perlite	la - talc	pa - palygorskite (clay)
<b>ma - matrix</b>	qu - quartz	sy - synthetic	

Approved Signatories:

  
Daniel Lacour  
Analyst

  
Senior Analyst  
Alicia Stretz

  
Laboratory Director  
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample 10 analyze

6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

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**NVLAP #200772-0**  
**TDSHS #300370**  
**CDPHE #AL-18111**  
**LELAP #03069**

**Polarized Light Asbestiform Materials Characterization**

**Customer Info:** Attn: Cissy Puma  
**Havona Environmental**  
 P.O.Box 35848  
 Albuquerque, NM 87176

**Customer Project:**  
 Holloman Intermediate School

**CA Labs Project#:**  
 CBR20073100

Phone# 505-232-9533  
 Fax# 505-256-8237

**Turnaround Time:** 3 day

**Date:** 7/15/2020  
**Samples Received:** 7/13/2020  
**Date Of Sampling:** 7/9/2020  
**Purchase Order #:**

Sample#	Com of ment	Layer #	Analysts Subsample	Physical Description	Homo-geneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
HIS-M-4H15-96	96-1			Tan Surfaced White Plaster	N	None Detected		100% qu, ma, bi, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600/ R-93/116)  
 Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for

Identification of asbestos types by dispersion attaining/ becke line method.

<b>ca - carbonate</b>	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	<b>ve - vermiculite</b>	<b>mw - mineral wool</b>	<b>br - brucite</b>
bl - binder	ot - other	wo - wollastinite	ka - kaolin (clay)
<b>or - organic</b>	pe - perlite	ta - talc	pa - palygorskite (clay)
<b>ma - matrix</b>	qu - quartz	sy - synthetic	

Approved Signatories:

Daniel Lacour  
 Analyst

Senior Analyst  
 Alicia Stretz

Laboratory Director  
 Chris Williams

1. Fire Damages significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
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8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. <1% Result point counted positive
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# CT2/i'Zfo1'3100

haV6naerwironmeri:al

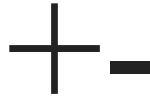
Havona Environmental, Inc. Phone 505-232-9533  
 P.O. Box 35848 Fax 505-212-0069  
 Albuquerque, NM 87176

## PLMBULK SAMPLE CHAIN OF CUSTODY

<b>Havona Project Name and Location:</b> Holloman Intermediate School		<b>Havona Client:</b> Alamogordo Public Schools	
		<b>Havona Contact Information:</b>	
<b>Sampled By: Scott Puma</b>		<b>Date Sampled: 7-9-2020</b>	<b>Name: Cissy Puma</b>
<b>Sampler's Signature:</b> <i>[Signature]</i>			<b>Phone: 505-977-4938</b>
			<b>Email: havonaenvironmental@yahoo.com</b>
		<b>Page: 1</b>	<b>of 1</b>
SAMPLE #	LOCATION	MATERIAL	COMMENT
HIS-M-4H1-82	HOLLOMAN INT. SCHOOLS	(v/j) L-	
4H2-81			
fl -84			
IN-15			
o/Hf ?			
i1_6 11			
ilH? - ti			
J-Jg - 't'l			
tfH1 - 'Jo			
'1HI o.11			
V/HU t:tz			
J/f-112..'f3			
4H13-94			
4H14-95			
4H15-96			
<b>Turn Around Time:</b>	<b>2-4 Hour</b>	<b>Same Day</b>	<b>24 Hour</b>
			<b>2 Day</b>
			<b>3 Day</b>
			<b>5-10 Day</b>
<b>Relinquished By:</b> <i>[Signature]</i>	<b>Date/Time:</b> 7-10-2020	<b>Received By:</b> <i>[Signature]</i>	<b>Date/Time:</b> 7-13-2020 10:30
<b>Relinquished By:</b>	<b>Date/Time:</b>	<b>Received By:</b>	<b>Date/Time:</b>

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NVLAP #200772-0  
TDSHS #300370  
CDPHE #AL-18111  
LELAP #03069

## **Materials Characterization - Bulk Asbestos Analysis**

### **Laboratory Analysis Report - Polarized Light**

#### **Havana Environmental**

P.O.Box 35848  
Albuquerque, NM 87176

Attn: Cissy Puma

Customer Project : Holloman Intermediate School (Portable 1)

Reference#: CBR20073099

Date: 7/15/2020

#### **Analysis and Method**

Summary of polarizing light microscopy (PLM / Stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Interim and EPA 600 / R-93 / 116 (Improved)). The sample is first viewed with the aid of stereomicroscopy. Numerous liquid slide preparations are created for analysis under the polarized microscope where identifications and quantifications are performed. Calibrated liquid refractive oils are used as liquid mounting medium. These oils are used for identification (dispersion staining.) A calibrated visual estimation is reported, should any asbestiform mineral be present. Other techniques such as acid washing are used in conjunction with refractive oils for detection of smaller quantities of asbestos. All asbestos percentages are based on calibrated visual estimation traceable to NIST standards for regulated asbestos. Traceability to measurement and calibration is achieved by using known amounts and types of asbestos from standards where analyst and laboratory accuracy are measured. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 0.50% (well above the laboratory definition of trace).

#### **Discussion**

Vermiculite containing samples may have trace amounts of actinolite-tremolite, where not found by PLM should be analyzed using TEM methods and/or water separation techniques. Suspected actinolite/vermiculite presence will be indicated through the sample comment section of this report.

Fibrous talc containing samples may even contain a related asbestos fiber known as anthophyllite. Under certain conditions the same fiber may actually contain both talc and anthophyllite (a phenomenon called intergrowth). Again, TEM detection methods are recommended. CA Labs PLM report comments will denote suspected amounts of asbestiform anthophyllite with talc, where further analysis is recommended.

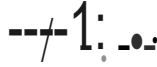
Some samples (floor tiles, surfacings, etc.) may contain fibers too small to be detectable by PLM analysis and should be analyzed by TEM bulk protocols.

A "trace asbestos" will be reported if the analyst observes far less than 1% asbestos. CA Labs defines "trace asbestos" as a few fibers detected by the analyst in several preparations and will indicate as such under these circumstances.

Quantification of <1% will actually be reported as <1% (allowable variance close to 1% is high). Such results are ideal for point counting, and the technique is mandatory for friable samples (NESHAP, Nov. 1990 and clarification letter 8 May 1991) under 1% percent asbestos and the "trace asbestos". **In order to make all initial PLM reports issued from CA Labs NESHAP compliant, all <1% asbestos results (except floor tiles) will be point counted at no additional charge.**

#### **Qualifications**

CA Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PLM). All analysts have a college degree in a natural science (geology, biology, or environmental science) or are recognized by a state professional board in one of these disciplines. Extensive in-house training programs are used to augment education background of the analyst. The group leader of polarized light has received supplemental McCrone Research training for asbestos identification. This report is not covered by the scope of AIHA accreditation. Analysis performed at CA Labs, LLC 12232 Industriplex, Suite 32 Baton Rouge, LA 70809.



**Overview of Project Sample Material Containing Asbestos**

<b>Customer Project:</b>		Holloman Intermediate School (Portable 1)		<b>CA Labs Project #:</b> CBR20073099	
Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types	
HISP1-M-10A1-7	7-1	Green Surfaced Gray Transite	20% <b>Chrysotile</b>	<b>Green Surfaced Gray Transite</b> <b>Gray Surfaced Gray Transite</b>	
HISP1-M-10A2-8	8-1	Green Surfaced Gray Transite	20% <b>Chrysotile</b>		
HISP1-M-10A3-9	9-1	Gray Surfaced Gray Transite	20% <b>Chrysotile</b>		

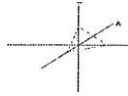
**Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):**

ca - carbonate	pe - perlite	fg - fiberglass	pa - palygorskite (clay)
gypsum - gypsum	qu - quartz	<b>mw - mineral wool</b>	
bi - binder		<b>we - wollastinite</b>	
or - organic		ta - talc	
ma - matrix		sy - synthetic	
mi mica		ce - cellulose	
ve - vermiculite		br - brucite	
ot - other		ka - kaolin (clay)	

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**NVLAP #200772-0**  
**TDSHS #300370**  
**CDPHE #AL-18111**  
**LELAP #03069**

## Polarized Light Asbestiform Materials Characterization

**Customer Info:** Attn: Cissy Puma  
**Havana Environmental**  
P.O. 80x 35848  
Albuquerque, NM 87176

**Customer Project:**  
Holloman Intermediate School  
(Portable 1)  
**Turnaround Time:** 3 day

**CA Labs Pfoject #:**  
C8R20073099  
**Date:** 7/15/2020  
**Samples Received:** 7/13/2020  
**Date Of Sampling:** 7/9/2020  
**Purchase Order #:**

Phone# 505-232-9533  
Fax# 505-256-8237


Sample#	Com ment	Layer #	Analysts Subsample	Physical Description	Homo- geneo us (Y/N)	Asbestos type/ calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
HISP1-M- 2A1-1		1-1		Tan Linoleum	Y	None Detected	25%ce	75% qu, ma
HISP1-M- 2A2-2		2-1		Tan Linoleum	Y	None Detected	25%ce	75%qu, ma
HISP1-M- 2A3-3		3-1		Tan Linoleum	Y	None Detected	25%ce	75% qu, ma
HISP1-M- 281-4		4-1		Black Felt	Y	None Detected	70%ce	30% qu, ma, bi
HISP1-M- 282-5		5-1		Black Felt	Y	None Detected	70%ce	30% qu, ma, bi
HISP1-M- 283-6		6-1		Black Felt	Y	None Detected	70%ce	30% qu, ma, bi
HISP1-M- 10A1-7		7-1		Green Surfaced Gray Transite	N	20% Chrysotile		80% qu, ma, bi, ca

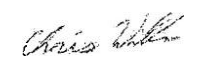
Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)  
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fibergla ss	ce - cellulose
gypsum - gypsum	ve -vermiculite	mw -mineralwool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or -organic	pe - perllite	ta - talc	pa - palygorskite (clay)
ma -matrix	qu - quartz	sy - synthetic	

Approved Signatories:

  
Daniel Lacour  
Analyst

  
Senior Analyst  
Alicia Stretz

  
Laboratory Director  
Chris Williams

1. Fire Damagesignificant fiber damage - reportedpercentagesreflectunalteredfibers
2. Fire Damageno significantfiber damageseffectingfibrous percentages
3. AcInolleInassociation With Vermiculite
4. Layernotanalyzed attachedto previous positive layer andcontaminationIs suspected
5. Not enoughsample to analyze

6. Anthrophyllite In association with Fibrou\$alc
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**NVLAP #200772-0**  
**TDSHS #300370**  
**CDPHE #AL-18111**  
**LELAP #03069**

**Polarized Light Asbestiform Materials Characterization**

**Customer Info:** Attn: Cissy Puma  
**Havana Environmental**  
P.O.Box 35848  
Albuquerque, NM 87176

**Customer Project:**  
Holloman Intermediate School  
(Portable 1)  
**Turnaround Time:** 3 day

**CA Labs Project #:**  
CBR20073099  
**Date:** 7/15/2020  
**Samples Received:** 7/13/2020  
**Date Of Sampling:** 7/9/2020  
**Purchase Order #:**

Phone# 505-232-9533  
Fax# 505-256-8237

Sample#	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
HISP1-M-10A2-8		8-1	Green Surfaced Gray Transite	N	20% <u>Chrysotile</u>		80% qu, ma, bi, ca
HISP1-M-10A3-9		9-1	Gray Surfaced Gray Transite	N	20% <u>Ch1.J.:S0tile</u>		80% qu, ma, bi, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)  
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

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gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	of - other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories

Daniel Lacour  
Analyst

Senior Analyst  
Alicia Stretz

Laboratory Director  
Chris Williams

1. Fire Damage significant fiber damage- reported percentages reflect unaltered fibers
2. Fire Damage insignificant fiber damage effecting fibrous percentages
3. Actinolite In association with Vermiculite
4. Layer not analyzed- attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze

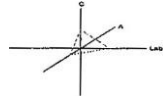
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested





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**NVLAP #200772-0**  
**TDSHS #300370**  
**CDPHE #AL-18111**  
**LELAP #03069**

## **Materials Characterization - Bulk Asbestos Analysis**

### **Laboratory Analysis Report - Polarized Light**

**Havana Environmental**

**Attn: Cissy Puma**

P.O.Box 35848  
Albuquerque, NM 87176

Customer Project: Holloman Intermediate School (Portable 2)  
Reference#: CBR20073098

Date: 7/15/2020

#### **Analysis and Method**

Summary of polarizing light microscopy (PLM / Stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Interim and EPA 600 / R-93 / 116 (Improved)). The sample is first viewed with the aid of stereomicroscopy. Numerous liquid slide preparations are created for analysis under the polarized microscope where identifications and quantifications are performed. Calibrated liquid refractive oils are used as liquid mounting medium. These oils are used for identification (dispersion staining.) A calibrated visual estimation is reported, should any asbestiform mineral be present. Other techniques such as acid washing are used in conjunction with refractive oils for detection of smaller quantities of asbestos. All asbestos percentages are based on calibrated visual estimation traceable to NIST standards for regulated asbestos. Traceability to measurement and calibration is achieved by using known amounts and types of asbestos from standards where analyst and laboratory accuracy are measured. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 0.50% (well above the laboratory definition of trace).

#### **Discussion**

Vermiculite containing samples may have trace amounts of actinolite-tremolite, where not found by PLM should be analyzed using TEM methods and / or water separation techniques. Suspected actinolite/vermiculite presence will be indicated through the sample comment section of this report.

Fibrous talc containing samples may even contain a related asbestos fiber known as anthophyllite. Under certain conditions the same fiber may actually contain both talc and anthophyllite (a phenomenon called intergrowth). Again, TEM detection methods are recommended. CA Labs PLM report comments will denote suspected amounts of asbestiform anthophyllite with talc, where further analysis is recommended.

Some samples (floor tiles, surfacings, etc.) may contain fibers too small to be detectable by PLM analysis and should be analyzed by TEM bulk protocols.

A "trace asbestos" will be reported if the analyst observes far less than 1% asbestos. CA Labs defines "trace asbestos" as a few fibers detected by the analyst in several preparations and will indicate as such under these circumstances.

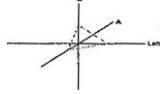
Quantification of <1% will actually be reported as <=1% (allowable variance close to 1% is high). Such results are ideal for point counting, and the technique is mandatory for friable samples (NESHAP, Nov. 1990 and clarification letter 8 May 1991) under 1% percent asbestos and the "trace asbestos". **In order to make all initial PLM reports issued from CA Labs NESHAP compliant, all <1% asbestos results (except floor tiles) will be point counted at no additional charge.**

#### **Qualifications**

CA Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PLM). All analysts have a college degree in a natural science (geology, biology, or environmental science) and are recognized by a state professional board in one these disciplines. Extensive in-house training programs are used to augment education background of the analyst. The group leader of polarized light has received supplemental McCrone Research training for asbestos identification. This report is not covered by the scope of AIHA accreditation. Analysis performed at CA Labs, LLC 12232 Industriplex, Suite 32 Baton Rouge, LA 70809.

**CA Labs**  
 Dedicated to  
 Quality

**CA Labs, L.L.C.**  
 12232 Industriplex, Suite 32  
 Baton Rouge, LA 70809  
 Phone 225-751-5632  
 Fax 225-751-5634



**NVLAP #200772-0**  
**TDSHS #300370**  
**CDPHE #AL-18111**  
**LELAP #03069**

## Overview of Project Sample Material Containing Asbestos

Customer Project:	Holloman Intermediate School (Portable 2)		CA Labs Project #:	CBR20073098
Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type/ calibrated visual estimate percent	List Of Affected Building Material Types
HISP2-M-10A1-7	7-1	Gray Transite	20% <u>Chrysotile</u>	<b>Gray Transite</b> <b>Green Surfaced Gray Transite</b>
HISP2-M-10A2-8	8-1	Green Surfaced <u>Gray Transite</u>	20% <u>Chrysotile</u>	
HISP2-M-10A3-9	9-1	Gray Transite	20% <u>Chrysotile</u>	

**Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):**

<b>ca</b> - carbonate gypsum - gypsum bi - binder <b>or</b> - organic <b>ma</b> - matrix <b>mi</b> - mica <b>ve</b> - vermiculite ot - other	<b>pe</b> - perlite qu - quartz	lg - fiberglass <b>mw</b> - mineral wool <b>wo</b> - wollastinite ta - talc sy - synthetic ce - cellulose br - brucite <b>ka</b> - kaolin (clay)	pa - pafygorskile (clay)
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This report relates to the items tested. This report is not to be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, AIHA LAP, LLC, or any other agency of the federal government. This report may not be reproduced except in full without written permission from CA Labs. These results are submitted pursuant to CA Labs' current terms and sale, condition of sale, including the company's standard warranty and limitations of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety (90) days before discarding. A shipping or handling fee may be assessed for the return of any samples.

**CA Labs**  
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Baton Rouge, LA 70809  
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- -

NVLAP #200772-0  
TDSHS #300370  
CDPHE #AL-18111  
LELAP #03069

## Polarized Light Asbestiform Materials Characterization

**Customer Info:** Attn: Cissy Puma  
**Havona Environmental**  
P.O.Box 35848  
Albuquerque, NM 87176

**Customer Project:**  
Holloman Intermediate School  
(Portable 2)  
**Turnaround Time:** 3 day

**CA Labs Project #:**  
CBR20073098  
**Date:** 7/15/2020  
**Samples Received:** 7/13/2020  
**Date Of Sampling:** 7/9/2020  
**Purchase Order #:**


Phone# 505-232-9533  
Fax# 505-256-8237


Sample#	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (Y/N)	Asbestos type/ calibrated visual estimate percent	Non-asbestos fiber type/percent	Non-fibrous type / percent
HISP2-M- 1A1-1		1-1	Yellow Mastic	y	<b>None Detected</b>		100% qu, bi
HISP2-M- 1A2-2		2-1	Yellow Mastic	y	<b>None Detected</b>		100% qu, bi
HISP2-M- 1A3-3		3-1	Yellow Mastic	y	<b>None Detected</b>		100% qu, bi
HISP2-M- 2A1-4		4-1	Tan Floor Tile	y	<b>None Detected</b>		100% qu, ma, ca
		4-2	Yellow Mastic	y	<b>None Detected</b>		100% qu, bi
HISP2-M- 2A2-5		5-1	Tan Floor Tile	y	<b>None Detected</b>		100% qu, ma, ca
		5-2	Yellow Mastic	y	<b>None Detected</b>		100% qu, bi

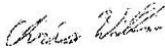
Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)  
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for  
Identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

  
Daniel Lacour  
Analyst

  
Senior Analyst  
Alicia Stretz

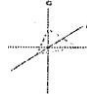
  
Laboratory Director  
Chris Williams

1. Fire Damages significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damages no significant fiber damage affecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze

6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysts by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

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**NVLAP #200772-0**  
**TDSHS #300370**  
**CDPHE #AL-18111**  
**LELAP #03069**

**Polarized Light Asbestiform Materials Characterization**

**Customer Info:** Attn: Cissy Puma  
**Havana Environmental**  
P.O.Box 35848  
Albuquerque, NM 87176

**Customer Project:**  
Holloman Intermediate School  
(Portable 2)  
**Turnaround Time:** 3 day

**CA Labs Project #:**  
CBR20073098  
**Date:** 7/15/2020  
**Samples Received:** 7/13/2020  
**Date Of Sampling:** 7/9/2020  
**Purchase Order#:**

Phone# 505-232-9533  
Fax # 505-256-8237

Sample#	Com men!	Layer #	Analysts Physical Description of Subsample	Homo-geneous (Y/N)	Asbestos type/ calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
HISP2-M-2A3-6		6-1	Tan Floor Tile	Y	None Detected	100% qu, ma, ca	
		6-2	Yellow Mastic	Y	None Detected	100% qu, bi	
HISP2-M-10A1-7		7-1	Gray Transite	N	20% Chrysotile	80% qu, ma, ca	
HISP2-M-10A2-8		8-1	Green Surfaced Gray Transite	N	20% Chrysotile	80% qu, ma, bi, ca	
HISP2-M-10A3-9		9-1	Gray Transite	Y	20% Chrysotile	80% qu, ma, ca	
HISP2-M-10B1-10		10-1	Blue Surfaced Gray Sealant	N	None Detected	100% qu, ma, bi	
HISP2-M-10B2-11		11-1	Tan Surfaced Gray Sealant	N	None Detected	100% qu, ma, bi	

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600/R-93/116)  
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion staining / becke line method.

ca - carbonate	mi - mica	lg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories

Daniel Lacour  
Analyst

Senior Analyst  
Alicia Stretz

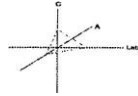
Laboratory Director  
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers  
2. Fire Damage no significant fiber damage affecting fiber percentages  
3. Actinolite in association with Vermiculite  
4. Layer not analyzed - attached to previous positive layer and contamination is suspected  
5. Not enough sample to analyze

6. Anthophyllite in association with Fibrous talc  
7. Co-amination suspected from other building materials  
8. Favorable scenario for water separation on vermiculite for possible analysis by another method  
9. <1% Result point counted positive  
10. TEM analysis suggested

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Quality

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Fax 225-751-5634



**NVLAP #200772-0**  
**TDSHS #300370**  
**CDPHE #AL-18111**  
**LELAP #03069**

## Polarized Light Asbestiform Materials Characterization

**Customer Info:**   **Attn:** Cissy Puma  
**Havana Environmental**  
P.O.Box 35848  
Albuquerque, NM 87176

**Customer Project:**  
Holloman Intermediate School  
(Portable 2)  
**Turnaround Time:** 3 day

**CA Labs Project #:**  
CBR20073Q98  
**Date:** 7/15/2020  
**Samples Received:** 7/13/2020  
**Date Of Sampling:** 7/9/2020  
**Purchase Order#:**

**Phone#**   505-232-9533  
**Fax#**     505-256-8237

Sample#	Com ment	Layer #	Analysts Subsample	Physical Description of	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
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HISP2-M- 1083-12		12-1	Tan Surfaced <u>Gray Sealant</u>		N	<b>None Detected</b>		100% gu, ma, bi
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Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)  
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

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gypsum • gypsum	<b>ve - vermiculite</b>	<b>mw - mineral wool</b>	<b>br - brucite</b>
<b>bi - binder</b>	ot - other	wo - wollastonite	ka - kaolin (cfay)
<b>or - organic</b>	pe - perlite	ta - talc	pa - palygorskite (clay)
<b>ma - matrix</b>	qu - quartz	sy - synthetic	

Approved Signatories:

Daniel Lacour  
Analyst

Senior Analyst  
Alicia Stretz

Laboratory Director  
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect on altered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
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7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

PLM BULK SAMPLE CHAIN OF CUSTODY

<b>Havona Project Name and Location:</b> Holloman Intermediate School (Portable 2)		<b>Havona Client:</b> Alamogordo Public Schools	
		<b>Havona Contact Information:</b>	
		<b>Name:</b> Cissy Puma	<b>Phone:</b> 505-977-4938
<b>Sampled By:</b> Scott Puma		<b>Date Sampled:</b> 7-9-2020	
<b>Sampler's Signature:</b> <i>[Signature]</i>		<b>Email:</b> havonaenvironmental@yahoo.com	
		<b>Page:</b>	<b>of</b>
SAMPLE #	LOCATION	MATERIAL	COMMENT
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			<b>3 Day</b>
			<b>5-10 Day</b>
<b>Relinquished By:</b> <i>[Signature]</i>	<b>Date/Time:</b> 7-10-2020	<b>Received By:</b> <i>[Signature]</i>	<b>Date/Time:</b> 7-13-2020 10:30
<b>Relinquished By:</b>	<b>Date/Time:</b>	<b>Received By:</b>	<b>Date/Time:</b>

# APPENDIXD

# CERTIFICATE OF TRAINING

EPA/AHERA Training Program



*This is to certify that*

**SCOTT PUMA**

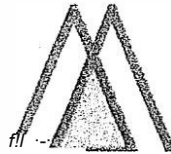
NM. DL. 120 639 749

Has completed 4 hours of training and **PASSED** the test required by Section 206 of TSCA Title II and in accordance with LOUISIANA STATE ASBESTOS REGULATIONS entitled,

## ASBESTOS BUILDING INSPECTOR REFRESHER

### PRESENTED BY

Mendez Environmental™  
1005 Veterans Mem Blvd  
Suite, 101  
Kenner, LA 70062  
Tel: (504)468-8858



(English)

IN COLLABORATION WITH

DC Environmental  
P.O. Box 9315  
Albuquerque, NM 87119  
Tel: (505) 869-8000  
www.dcenvironmental.net



Director: Josefinq:-Mende g Rosa

*/f*

NM Program Manager/Instructor: t.Q..JL)..zG-L  
-- David Charlesworth

Instructor: Jeff Biedenbach

Course Date: 01-06-2020  
Certificate Number: AS0120KNMPSP22062

Test Date: 01-06-2020 Grade: **PASS**  
Expiration Date: 01-06..2021



CERTIFICATE of AN ENDANCE AND SUCCESSFUL COMPLETION.

# AHERA ABETO BUILDING INSPECTOR REFREHER

CERTIFICATE NUMBER: **ABIR-N202-0-102s**

**Junior Fresquez**

THIS COURSE HAS BEEN APPROVED BY THE DEPARTMENT OF INDUSTRIAL RELATIONS, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION OF THE STATE OF NEVADA  
THIS COURSE SATISFIES THE ACCREDITATION REQUIREMENTS, UNDER SECTION 206 OF THE TOXIC SUBSTANCES CONTROL ACT (TSCA).

Neison ...  
PRINCIPAL INSTRUCTOR



*[Signature]*  
TRAINING DIRECTOR

**ENVIRO-CON INTEGRATED SOLUTIONS, LTD**

177 E ... SUITE 211A, LAS VEGAS NV 89119 • PHONJ! .102 2Q2.6200  
8939 S. ... Los ANGELES CA 90045 • P.iiio. .70 .2.0002  
May 15, 11

THIS CERTIFICATE IS VALID FOR ONE YEAR FROM THE COMPLETION DATE

COURSE DATE:

May 15, 2011



