

## **SPECIFICATIONS**

WARREN CONSOLIDATED SCHOOLS  
DEMOLITION OF VARIOUS STRUCTURES  
PROJECT NUMBER 231986  
AUGUST 25, 2023

## **PROJECT**

# **WARREN CONSOLIDATED SCHOOLS DEMOLITION OF VARIOUS STRUCTURES**

## **OWNER**

Warren Consolidated Schools  
31300 Anita  
Warren, MI 48093

## **ARCHITECT**

Wakely Associates, Inc.  
30500 Van Dyke Ave., Suite 209  
Warren, Michigan 48093

**SPECIFICATIONS**

PROJECT NUMBER 231986  
AUGUST 25, 2023

**PROJECT**

WARREN CONSOLIDATED SCHOOLS  
DEMOLITION OF VARIOUS STRUCTURES

**OWNER**

WARREN CONSOLIDATED SCHOOLS  
31300 ANITA  
WARREN, MI 48093

**ARCHITECT**

WAKELY ASSOCIATES, INC.  
30500 VAN DYKE, SUITE 209  
WARREN, MICHIGAN 48093  
(586) 573-4100

**CIVIL ENGINEER**

SPALDING DEDECKER ASSOCIATES, INC.  
905 SOUTH BOULEVARD EAST  
ROCHESTER HILLS, MI 48307  
(248) 844-5400

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SECTION 00020 - INVITATION FOR BIDS

**PROJECT**

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31300 ANITA  
WARREN, MI 48093

**ARCHITECT**

WAKELY ASSOCIATES, INC.  
30500 VAN DYKE AVENUE SUITE 209  
WARREN, MICHIGAN 48093  
(586) 573-4100

**PROJECT DESCRIPTION:**

The project consists, but is not limited to, the following items:

- A. All labor, material and equipment necessary to complete the following:
1. Total removal of the buildings and site improvements and landscaping items indicated at the addresses indicated: Convent and site at 11131 Gerald Road, Warren, MI 48093 and the house and site at 3235 12 Mile Road, Warren, MI 48092.
  2. Site restoration as indicated at each site as indicated on the bid documents. Note: Seeding and associated items are to be referred until Spring 2024 and site shall be adequately protected against soil erosion until complete and accepted.
  3. Include permits as indicated and necessary to complete the work.
  4. Contractor is responsible for the soil erosion and removal of the silt fence upon completion and acceptance by the School District and Architect/Engineer.
  5. Contractor is responsible for any and all disconnection fees and coordination of all utilities shut offs.
  6. Power and water cannot be cut off until abatement at each site is complete. Owner is awarding abatement as a separate contract.
  7. If additional asbestos is discovered (after abatement by Owner's separate contract) then Contractor shall halt operations accordingly and notify Owner. Owner will arrange for additional abatement. There will be no extra costs allowed due to the time required by the Owner for abatement.

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8. Provide construction fence, signage and gates as indicated on documents.
9. Provide temporary water and power for your work.
10. Contractor responsible for cleaning of street on a daily basis.
11. Protect all existing trees to remain.
12. Provide demolition plan and site logistic plan prior to mobilization and per the requirements of MIOSH.
13. Provide all above ground demolition, subgrade demolition, utility demolition as indicated and site restoration.
14. Grading, Contractor shall confirm that the proposed grades will not create a ponding water condition. (i.e. an unintended low spot less than 1%).
15. Contractor to maintain dust control at all times during demolition activities.
16. Include all fill as required by your work. All fill shall be imported and meet specification requirements. Do not use existing soils for backfill.
17. Contractor will be responsible to remove demolished material from site within a timely manner. You may not stockpile material for any length of time.
18. Include all topsoil, seeding, fertilizing and maintenance as indicated throughout entire site.
19. Provide as-builts of entire site by a Licensed Registered Engineer. This shall include locations of all utilities, utility depth, utility size/material, final grades though out and location/material of abandoned items (if any).
20. Contractor is responsible for clean up, removal and legal disposal of all debris as generated by this work, including dumpsters.
21. St. Sylvester Church and Mott HS will remain in operation during demolition. Operations and all demolition work shall not affect access or use of each site.

ALLOWANCE:

The undersigned acknowledges he/she has included the sum of fifty thousand dollars (\$50,000.00) to:

1. Handle any unknown underground utilities, storage tanks, etc.
2. Any unused allowance will be returned to the Owner at the end of the project.

TYPE OF PROPOSAL:

A single lump sum proposal is being entertained for the work of this proposal.

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DATE OF SUBMISSION:

The Owner will receive sealed proposals for the work herein set forth until 2:00 p.m. EDT, on Thursday, September 21, 2023, at Warren Consolidated Schools, 31300 Anita Drive, Warren, MI 48093. Bids will be publicly opened shortly thereafter. Late bids will not be accepted or considered.

The bid shall be accompanied by a sworn and notarized statement disclosing any familial relationship that exists between the Owner or any employee of the bidder and any member of the School Board, or the Superintendent of Schools. The Owner will not accept a bid that does not include this sworn and notarized disclosure statement.

PROPOSAL GUARANTY:

Each proposal must be accompanied by a certified check, cashiers check, or a satisfactory Surety Bid Bond in an amount not less than five percent (5%) of the total bid price as guaranty. No bid shall be considered unless it is accompanied by the required guaranty.

Checks shall be made payable to Warren Consolidated Schools.

Such cash, checks, or bid bonds will be returned to all except the three lowest bidders for each contract within five (5) days after the opening of bids, and the remaining cash, checks, or bid bonds will be returned promptly after the Owner and the accepted bidders have executed the Contract, or if no award has been made, within thirty (30) days after the date of the opening of bids, upon demand of the bidder at any time thereafter, so long as he has not been notified of the acceptance of his bid.

PRE-BID MEETING

A Pre-Bid Meeting will be held at the Convent site, 11131 Gerald , Warren, MI 48093 at 10:00 a.m. EDT on Thursday, September 14, 2023.

Attendance at this pre-bid meeting is not mandatory, however, absolutely no extra cost will be allowed for any item or thing which could have been seen by visiting the site.

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BIDDING DOCUMENTS:

Bidding documents consist of plans and specifications as prepared by Wakely Associates Inc./Architects, Warren, Michigan.

Bid documents can be purchased at the offices of ARC/Dunn Blue, 1009 W. Maple Road, Clawson, MI 48107 beginning September 7, 2023.

Bidding documents will be available on or after September 7, 2023 by calling Wakely Associates Inc. at 586-573-4100 or email at [aduda@wakelyaia.com](mailto:aduda@wakelyaia.com) for a link to access the documents.

Copies of the Bidding documents will also be on file for reference at the office of:

1. The Owner
2. CAM, Bloomfield Hills
3. McGraw Hill, Detroit
4. Reed Construction Data, Novi
5. The Architect

PROPOSAL ACCEPTANCE:

The right to accept and/or reject any and all proposals and to waive any and all informalities and/or irregularities in bid proposals submitted during the bidding process is reserved by the Owner, which right may be exercised at the sole discretion of the Owner.

PROPOSAL WITHDRAWAL:

Proposals for base bids may not be withdrawn for a period of thirty (30) days after the time established for the receipt of proposals. Bidders may withdraw at any item prior to the time set for the receipt of proposals.

END OF SECTION 00020

SECTION 00100 - INSTRUCTIONS TO BIDDERS

Owner will receive sealed proposals only as set forth in the Invitation to Bid and complying with all requirements as contained in Instructions to Bidders.

DOCUMENTS

Bidding documents consist of plans and specifications as prepared by Wakely Associates Inc./Architects, Warren, Michigan.

Bid documents can be purchased at the offices of ARC/Dunn Blue, 1009 W. Maple Road, Clawson, MI 48107 beginning September 7, 2023.

Bidding documents will be available on or after September 7, 2023 by calling Wakely Associates Inc. at 586-573-4100 or email at [aduda@wakelyaia.com](mailto:aduda@wakelyaia.com) for a link to access the documents.

Copies of the Bidding documents will also be on file for reference at the office of:

1. The Owner
2. CAM, Bloomfield Hills
3. McGraw Hill, Detroit
4. Reed Construction Data, Novi
5. The Architect

BIDDING DOCUMENTS

The Bidding Documents consist of the following:

The Drawings as enumerated in Section 00851, Index of Drawings.

The Specifications as enumerated in the Table of Contents.

All other documents as provided for in Article 1, Paragraph 1, Section 1 of the General Conditions as modified.

EXAMINATION

Each bidder shall examine the Bidding Documents and satisfy himself about the extent of the proposed work by personal examinations of the site and surroundings, and make his own estimate therefrom of the facilities and difficulties attending the performance and completion of the job.

No additional compensation will be allowed on account of conditions which could be determined by examining the Bidding Documents or the site.

#### INTERPRETATION

If any person contemplating submitting a bid is in doubt as to the true meaning of any part of the Drawings, Specifications, or other Bidding Documents, he must submit to the Architect a written request for an interpretation thereof. If such an interpretation is not requested, the bids will be presumed to be based upon the interpretation and directions given by the Architect after Contract award, in accordance with provisions of the Contract.

Neither the Owner nor the Architect will be responsible for any verbal explanations or interpretations of the Bidding Documents.

Every request for such interpretation should be in writing, addressed to the Architect at his office, and to be given consideration, must be received at least ten (10) calendar days prior to the date fixed for the opening of bids. Any and all such interpretations, and any supplemental instructions will be in the form of written addenda to the Bidding Documents which, if issued, will be mailed to all prospective bidders (at the respective address furnished for such purposes) prior to the date fixed for the opening of bids. All addenda so issued shall become part of the Bidding Documents.

#### SUBSTITUTIONS

To obtain approval to use unspecified products, bidders shall submit written requests at least ten (10) calendar days before the bid date. Requests received after this time will not be considered. Requests shall clearly describe the product for which approval is asked, including all data necessary to demonstrate acceptability. If the product is acceptable, the Architect will approve it in an Addendum issued to all prime bidders on record.

#### BASIS OF BID

A single lump sum proposal is being entertained for the complete work of this proposal.

Partial or segregated bids or assignments will not be considered. Include quotes for all alternates and unit prices; failure to do so may result in rejection of the proposal.

PREPARATION

Proposal shall be submitted on the form bound in these specifications, Form of Proposal, in original form without erasures, interlineations or alterations.

Submit two (2) copies of proposal, retain one for your records. Oral, fax, email, or telephone proposals will not be accepted.

Proposals must be filled out in ink or typewritten in duplicate. Blank spaces in the proposals must be filled in and no changes shall be made to the phraseology of the proposal. Quotes shall be entered in verbal and numeric forms. In case of a discrepancy between the written and the numeric form, the written form shall govern.

All bids shall be signed and dated in longhand.

Bids which are not signed by the individual making them should have attached thereto a power of attorney, evidencing authority to act as agent for the person whom it is signed.

Bids which are signed for a partnership should be signed by one of the partners or by an attorney-in-fact. If signed by an attorney-in-fact, evidence of authority to sign the bids shall be attached.

Bids which are signed for a corporation should have the correct corporate name thereon and the signature of the president or other officer legally able to contract in the name of the corporations. In addition, a signed Secretary's Certificate evidencing the authority of the Officer to contract in the name of the corporation shall be included. Any proposal submitted by a corporation shall bear its seal.

BID SECURITY

The successful bidders securities will be retained until they have signed the Contract and furnished the required payment and performance bonds. The Owner reserves the right to retain the security of the next two lowest bidders for each contract until the lowest bidders enter into contract, or until thirty (30) days after the bid opening, whichever is the shorter. All other bid security will be returned as soon as practicable. If any bidder refuses to enter into a Contract, the Owner will retain his Bid Security as liquidated damages, but not as a penalty.

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#### SUBCONTRACTORS

The Owner and Architect reserve the right to require of bidders tentatively selected for consideration in the awarding of the Contract, a list of the subcontractors whom the Contractor intends to employ.

The Owner reserves the right to disapprove the use of any proposed subcontractor, and in such event, the bidder submitting such subcontractor shall submit another such subcontractor in like manner within the time specified by the Owner. The Owner reserves the right to reject any bid if such information required by the Owner is not submitted as above indicated.

#### SUBMITTAL

Submit proposals in sealed opaque envelopes having listed thereon the following:

**PROPOSAL: WARREN CONSOLIDATED SCHOOLS  
DEMOLITION OF VARIOUS STRUCTURES  
ATTN: SUSAN ANDRZEJEWSKI, FISCAL SERVICES MGR**

Contractor: \_\_\_\_\_

#### WITHDRAWAL

Proposals for base bids may not be withdrawn for a period of thirty (30) days after the time established for the receiving of proposals. Bidders may withdraw at any time prior to the time set for the receiving of proposals.

#### IRREGULARITIES

The Owner reserves the right to disqualify Bids before or after opening, upon evidence of collusion with intent to defraud, or other illegal practices upon the part of the bidder.

The Owner also reserves the right to reject any or all bids in whole or in part and to waive any informalities therein.

Any error and/or omission in the proposal form or any other irregularity as a result of negligent preparation shall not furnish cause for relief for any damages resulting therefrom, nor in any way relieve the Contractor from fulfillment of all contractual obligations as provided for in the Bidding Documents.



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TAXES AND CONTRIBUTIONS

Proposal, unit prices, alternate prices stated include all taxes or contributions required by bidders business.

Michigan State sales tax is applicable to this work.

OPENING

Proposals will be publicly opened and read aloud.

BID BREAKDOWN CONSTRUCTION INFORMATION

Upon notice from the Architect, the low bidders shall submit a detailed cost breakdown of all work by site covered by the Bidding Documents. The breakdown shall show quantity of material and labor, units of material and labor, material cost, labor cost and total cost.

AWARD OF CONTRACT

The Contract will be awarded to the lowest responsible bids, complying with the terms of the Bidding Documents, with full consideration of alternates.

EXECUTION OF CONTRACT

The Owner reserves the right to accept any and all bids, or to negotiate contract terms with the various bidders when such is deemed by the Owner to be in his best interest.

END OF SECTION 00100

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SECTION 00311 - PROPOSAL FORM/ALL TRADES

\_\_\_\_\_  
Name of Contractor

\_\_\_\_\_  
Address, City, Zip

\_\_\_\_\_  
Phone # / Fax #

\_\_\_\_\_  
Email Address

**PROJECT**

WARREN CONSOLIDATED SCHOOLS  
DEMOLITION OF VARIOUS STRUCTURES

**OWNER**

WARREN CONSOLIDATED SCHOOLS  
31300 ANITA DRIVE  
WARREN, MICHIGAN 48093

**ARCHITECT**

WAKELY ASSOCIATES, INC.  
30500 VAN DYKE AVENUE SUITE 209  
WARREN, MI 48093

BASE PROPOSAL

Pursuant to and in compliance with the Invitation to Bid and the Instructions to Bidders, and having carefully examined the Bidding Documents and all Addenda, the undersigned agrees to enter into an agreement with the Owner to complete the work in accordance with the said Bidding Documents for the sum of:

\_\_\_\_\_  
(Sum to be written out)

\_\_\_\_\_ Dollars \$ \_\_\_\_\_

Cost of bond (if bid is less than \$50,000: if bid is \$50,000 or higher, bond cost is to be included in bid)

\_\_\_\_\_ Dollars \$ \_\_\_\_\_

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ALLOWANCE:

The undersigned acknowledges he/she has included the sum of fifty thousand dollars (\$50,000.00) to:

1. Handle any unknown underground utilities, storage tanks, etc.
2. Any unused allowance will be returned to the Owner at the end of the project.

VOLUNTARY ALTERNATES

The following voluntary alternates are offered by the bidder. The undersigned agrees that the amounts indicated below shall be added to or deducted from the Base Bid, as the case may be, for each alternate which is accepted.

<u>Description of Voluntary Alternates</u>	<u>Add</u>	<u>Deduct</u>
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____

PRICE GUARANTEE

The undersigned proposes that the price stated in this Proposal is guaranteed for thirty (30) consecutive days from bid date.

TAXES

The undersigned acknowledges that the price stated above includes all taxes of whatever character or description.

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SUPPLEMENTAL FEES

For additional work performed upon instruction of the Owner by subcontractors of the undersigned, add to the subcontractor's prices for such additional work a fee of \_\_\_\_\_% which includes all the charges of the undersigned for overhead and profit.

Any additional work performed upon instructions of the Owner by persons other than the subcontractors of the undersigned, the charges will be actual cost of all labor and materials (less all discounts) plus the fee of \_\_\_\_\_% which includes all the charges of the undersigned for overhead and profit and to which shall be added the actual cost of insurance and taxes.

Each proposal covering extra work shall be accompanied with complete itemized material and labor breakdowns.

For all revisions involving the deletion of contract work, it is agreed that full credit shall be given the Owner for such work deleted, including overhead and profit as quoted hereinbefore.

TIME OF COMPLETION

The undersigned agrees to commence work operations immediately upon award of the contract (anticipated October 4, 2023), with substantial completion of the work by Friday, November 17, 2023, and that the proposed bid is in full consideration of this.

ADDENDA

If any addenda covering changes to the Bidding Documents have been received during the bidding period, the bidder shall fill in their numbers and dates which acknowledges having received same, and having included in this Proposal the work involved:

\_\_\_\_\_ Dated \_\_\_\_\_

\_\_\_\_\_ Dated \_\_\_\_\_

\_\_\_\_\_ Dated \_\_\_\_\_

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#### BID SECURITY

A bid bond executed by a U.S. Treasury Listed Surety Company acceptable to Warren Consolidated Schools or a cashier's check in the amount of at least 5% of the sum of the proposal payable to Warren Consolidated Schools shall be submitted with each proposal in excess of \$28,048. All proposals shall be firm for a period of thirty (30) days.

#### PERFORMANCE AND LABOR BOND

Successful bidders whose proposals are \$50,000 or more will be required to furnish a U.S. Treasury Listed Company Performance and Payment Bond in the amount of 100% of their bid. The cost of the Bond shall be included in each proposal.

Bidders are to indicate cost of bond on the Bid Form if total bid is less than \$50,000. Owner will make a decision if bond is required on all bids less than \$50,000.

The Board of Education reserves the right to reject any and/or all bids in whole or in part and to waive any informality therein. The Board of Education reserves the right to accept that bid which in its opinion, is in the best interest of the Owner.

#### FAMILIAL DISCLOSURE

Bidder has included Sections 00401 Familial Disclosure Form, the Section 00401A Iran Economic Sanctions Act Form., and 00401B Criminal Background Check (bid will not be read without these forms).

#### NEGOTIATION

The undersigned agrees that, should the overall cost exceed the funds available, he will be willing to negotiate with the Owner and Architect for the purpose of making further reductions in the Contract work, and shall agree to give full credit for all such reductions in the work requested by the Owner, including full value of labor, materials, and subcontract work and reasonable proportionate reductions in overhead and profit, thereby arriving at an agreed upon Contract price.

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CONTRACT EXECUTION

The undersigned agrees to execute a Contract for work covered by this Proposal, provided that he be notified of its acceptance within thirty (30) days after the opening of bids.

The undersigned hereby declares that he has the legal status checked below:

( ) Individual

( ) Partnership having the following partners:

---

---

---

( ) Corporation incorporated under the State laws of:

---

This proposal is submitted in the name of, and notice of acceptance should be mailed, faxed, or delivered to:

Date:

Firm's Name:

---

---

Phone No. ( )

By:

(Signature)

In the presence of:

Title:

---

---

END OF SECTION 00311

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SECTION 00401 - FAMILIAL DISCLOSURE FORM

All bidders must complete the following familial disclosure form in compliance with MCL 380.1267 and attach this information to the bid.

By the attached sworn and notarized statement we are disclosing the following familial relationship(s) that exists between the owner or any employee of the bidder and any member of the board, intermediate school board, or board of directors or the superintendent of the school district, intermediate superintendent of the intermediate school district, or chief executive officer of the public school academy. (Warren Consolidated Schools shall not accept a bid that does not include this sworn and notarized disclosure statement.)

Disclose any familial relationship and complete the form below in its entirety:

The following are familial relationships as described above (provide employee name, family contact name, family contact position, and familial relationship or NONE.)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature(s): \_\_\_\_\_ Title: \_\_\_\_\_

Name of Firm: \_\_\_\_\_

STATE OF MICHIGAN )  
                          ) SS  
COUNTY OF                )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me a Notary Public in \_\_\_\_\_ and for said county, \_\_\_\_\_ personally appeared \_\_\_\_\_, agent of the said firm \_\_\_\_\_, and who acknowledged the same to be his free act and deed as such agent.

\_\_\_\_\_  
Notary Public

END OF SECTION 00401

**AFFIDAVIT OF COMPLIANCE – IRAN ECONOMIC SANCTIONS ACT**  
Michigan Public Act No. 517 of 2012

The undersigned, the owner or authorized officer of the below-named Contractor, pursuant to the compliance certification requirement provided in the Warren Consolidated Schools (the “Owner”) Request For Proposals For Construction Services (the “RFP”), hereby certifies, represents and warrants that the Contractor (including its officers, directors and employees) is not an “Iran linked business” within the meaning of the Iran Economic Sanction Act, Michigan Public Act No. 517 of 2012 (the “Act”), and that in the event the Contractor is awarded a contract as a result of the aforementioned RFP, the Contractor will not become an “Iran linked business” at any time during the course of performing any services under the contract.

The Contractor further acknowledges that any person who is found to have submitted a false certification is responsible for a civil penalty of not more than \$250,000.00 or 2 times the amount of the contract or proposed contract for which the false certification was made, whichever is greater, the cost of the Owner’s investigation, and reasonable attorney fees, in addition to the fine. Moreover, any person who submitted a false certification shall be ineligible to bid on a request for proposal for three (3) years from the date that it is determined that the person has submitted the false certification.

\_\_\_\_\_  
Name of Contractor

By: \_\_\_\_\_

Its: \_\_\_\_\_

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

State of \_\_\_\_\_ )  
 )SS.  
County of \_\_\_\_\_ )

This instrument was acknowledged before me on the \_\_\_\_ day of \_\_\_\_\_, 2023,  
by \_\_\_\_\_.

\_\_\_\_\_  
Notary Public

\_\_\_\_\_ County, \_\_\_\_\_

My commission expires on \_\_\_\_\_

Acting in the County of \_\_\_\_\_



**AFFIDAVIT OF COMPLIANCE – CRIMINAL BACKGROUND CHECKS**  
**Michigan Public Act No. 517 of 2012**

The undersigned, the owner or authorized officer of the below-named contractor (the “Contractor”), pursuant to the criminal background compliance certification requirements of Warren Consolidated Schools’ (the “School District”) hereby represents and warrants that the Contractor has performed and/or will perform sufficient criminal background checks, including at a minimum, an Internet Criminal History Tool (“ICHAT”) check, for all of its owners, employees, agents, representatives, contractors and/or other personnel who will be on any School District premises to carry out the services contemplated by the Contract Documents. The Contractor further hereby certifies that no owner, employee, agent, representative, contractor and/or other personnel of the Contractor will be on any School District premises if they are a registered criminal sexual offender under the Sex Offenders Registration Act, Public Act 295 of 1994, or have been convicted of “Listed Offense” as defined under Section 722 of the Sex Offenders Registration Act, MCL 28.722.

The Contractor further acknowledges that if it is found to have submitted a false certification or otherwise fails to comply with the requirements of this certification, the School District may immediately terminate the Contract.

**CONTRACTOR:**

\_\_\_\_\_  
(Name of Contractor)

By: \_\_\_\_\_

Its: \_\_\_\_\_

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

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

The instrument was acknowledged before me on the \_\_\_\_\_ day of \_\_\_\_\_, 2023, by \_\_\_\_\_  
\_\_\_\_\_.

\_\_\_\_\_  
, Notary Public  
\_\_\_\_\_ County, \_\_\_\_\_

My Commission Expires: \_\_\_\_\_  
Acting in the County of: \_\_\_\_\_

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SECTION 00710 - GENERAL CONDITIONS

DOCUMENTS:

"The General Conditions of the Contract for the Construction"  
A.I.A. Documents A-201, 2017 Edition, Forms a part of these  
Specifications and shall have the same effect as if bound herein.

This Document is modified as described in Spec Section 00810  
"Modifications of the General Conditions".

Contractors shall be held responsible for having familiarized  
themselves with this Document and all other documents affecting  
their contracts in this Specification.

END OF SECTION 00710

**SECTION 00810 - MODIFICATIONS OF THE GENERAL CONDITIONS**

Where any Article of the American Institute of Architects General Conditions, (AIA Document A201, 2017 Edition) is supplemented by the following provisions of such Article shall remain in effect and all supplementary provisions shall be considered as added thereto. Where any such article is modified, superseded or deleted herein, provisions of such articles not so specifically modified, superseded or deleted shall remain in effect.

Article 1 - General Provisions

1.1.1 The Contract Documents. Modification: first sentence:  
"The Contract Documents consist of the entire Bidding Documents package and the Agreement...."

Deletion: last sentence.

Addition: new text as follows (sub-subparagraph to 1.1.1):

1.1.1.1 As used in the Contract Documents, the following terms are defined as indicated below:

OWNER - as defined in Advertisement or Invitation to Bid. ARCHITECT/ENGINEER - the firm of Wakely Associates Inc.

CONTRACTOR - the person or entity so named in the Agreement who shall be known as the "prime contractor" in addition to references in Article 3.

SUPPLIER - such person or entity that supplies materials or the work to the Contractor or to a subcontractor but performs no work at the site.

N.I.C. - not in contract, work not included in this Contract.

OCCURRENCE: is defined as follows for purposes of insurance. An event which occurs during the policy period, or a continuous or repeated exposure to condition(s) which result, during the policy period, in bodily injury, sickness, or disease, or injury to, or destruction of property, of one or more persons or organizations, including the loss of use thereof,

resulting from a common cause, or from exposure to substantially the same general condition existing at, or emanating from each location shall be deemed to result from one occurrence.

Addition: new text as follows (sub-subparagraph to 1.1.3):

- 1.1.3.1 The Contractor is responsible for coordinating and allocating the work of all trades on the project at the time of bidding as well as during the Construction in regards to the providing of labor and materials, and performance of all cutting, coring, patching and repair work necessary to complete the project as required by the various trades including the proper allocation of work to the proper trade as claimed by the trade unions having jurisdiction over such work. Whether the Contractor's own forces perform such work or he allocates it to various subcontractors or trades, the contractor is responsible for such work and the complete project.
- 1.1.3.2 The Contractor shall interface all Contract work with no duplication of cost incurred due to the allocation of same work to more than one trade, and with no omissions of costs of any work due to such work not being properly assigned or allocated to a specific subcontractor, trade or the Contractor.

Addition: new paragraphs as follows:

- 1.2.4 The Drawings show the general arrangement, design and extent of the Work and are partially diagrammatic. The Drawings shall not be scaled for rough-in measurements, nor serve as Shop Drawings.
- 1.2.5 RELATION OF SPECIFICATIONS AND DRAWINGS:
- 1 To be equal authority and priority. Should they disagree in themselves, or with each other, bids shall be based on the most expensive combination of quality and quantity of work indicated. The appropriate Work, in the event of the above mentioned disagreements, shall be determined by the Architect.
  - 2 Figures take precedence over scale measurements.

- 3 Large scale details take precedence over smaller scale details.
  - 4 Architectural Drawings take precedence in regard to dimensions, when in conflict with Mechanical and Structural Drawings, except for the size of the structural members.
  - 5 Specifically titled drawings and sections of the specifications take precedence over indication of the item in a collateral way.
  - 6 Existing conditions take precedence over Drawings and Specifications for dimensions.
  - 7 When multiple requirements are given for any item, all requirements shall be met.
- 1.2.6 CODE, LAWS, ORDINANCES, RULES, and REGULATIONS: Requirements of public authorities apply as minimum requirements only. They do not supersede more stringent requirements given elsewhere in the Contract Documents. If changes must be made to the Contract because of public authorities, appropriate adjustments will be made in the Contract Sum.
- 1.2.7 ENUMERATION OF ITEMS: Lists of "Work Included", "Scope" or "Description of Work" are not intended to enumerate each and every item of work or appurtenance required, and must be used in conjunction with other portions of the Contract Documents.
- 1.2.8 SPECIFIED MATERIALS, PRODUCTS, BRANDS, and PROCESSES: When multiple requirements are given for an item complies with all.
- 1.2.9 REFERENCE NOTES: Terms such as "as shown", "as indicated", "as noted" mean there are additional requirements given elsewhere in the Contract Documents. Comply with all requirements.
- 1.2.10 ABBREVIATIONS AND NAMES: Acronyms or abbreviations as referenced in contract documents and listed on the General Abbreviations and Symbols Sheet G-2.0 are defined to mean the associated names. Acronyms or abbreviations are subject to change, and believed to be, but not assured to be, accurate and up-to-date as of date of contract documents.

- 1.2.11 DRAWING SYMBOLS AND STANDARDS: Except as otherwise indicated, graphic symbols and standards used on drawings are those symbols recognized in the construction industry for purposes indicated.
- 1.2.12 M/E DRAWINGS: Graphic symbols used on Mechanical/Electrical drawings are generally aligned with symbols recommended by ASHRAE, supplemented by more specific symbols where appropriate as recommended by other recognized technical associations including ASME, ASPE, IEEE and similar organizations. Refer instances of uncertainty to Architect for clarification before proceeding.
- 1.2.13 STANDARD REFERENCES: Any materials, equipment or workmanship specified by references to number, symbol, or title of any specific Federal, ASTM, Industry, Association or Government Agency Standard Specifications shall comply with all applicable provisions of such standard specifications, except as limited to type, class or grade, or modified in contract documents. Reference to "Standards" referred to in the contract documents, except as modified, shall have full force and effect as though printed in detail in specifications.
- 1.2.14 PUBLICATION DATES, except as otherwise indicated, where compliance with an industry standard, ASTM, association standard, or Federal Standard, shall meet the standard in effect as of date of Contract Documents.
- 1.2.15 ACCEPTABLE MANUFACTURERS where used in the Project Manual shall mean that the listed products and manufacturers shall meet specified and indicated requirements.

Article 2 - Owner

Addition: new text as follows (sub-subparagraph to 2.2.1):

- 2.2.1.1 "The Owner shall establish site property lines by staking or other means, shall establish a permanent bench mark, and provide copies of soil boring logs and soil report, if any, for the Contractor's convenience and information. None of the data therein relating to

sub-surface soil and water conditions; size, elevation and location of existing underground services; existing underground obstructions or structures; etc., are guaranteed as being accurate or uniformly representative of actual conditions. The Owner assumes no responsibility for deductions, interpretations or conclusions drawn there from by the Contractor."

Article 3 - Contractor

- 3.4.2.1 Should the Contractor desire after the Contract Award, to substitute for the benefit of the Owner another article, material or item of equipment for one or more specified by name, he shall make a request for such substitution in writing, to the Architect stating the benefit to the Owner and the credit or extra involved and he shall provide all required supporting data and samples. If such request is rejected, the Contractor shall perform the work in accordance with the Contract Documents. Such requests shall be submitted so as to allow a reasonable time for their consideration and shall not be justification for delay of the work.
- 3.4.2.2 If a substitution requires changes in the work or other trades or Contractors, or redesign or other substantial changes in the Contract Documents, the Contractor proposing the substitution shall pay any additional costs thereby incurred.
- 3.4.2.3 After Contract Award, no substitution of any material listed in the Contract Documents or Proposal will be permitted if the request is based on delivery dates, test requirements, or other causes, unless the Bidder proves that the original material was ordered or scheduled for tests within 30 days after the contract was let and due to unforeseen circumstances cannot be delivered at the promised time or tested in accordance with the specifications without materially delaying work.

- 3.4.2.4 by making requests for substitutions based on Clause 3.4.2.1 above, the Contractor:
- (a) represents that the Contractor has personally investigated the proposed substitute product and determined that it is equal or superior in all respects to that specified;
  - (b) represents that the Contractor will provide the same warranty for the substitution that the Contractor would for that specified;
  - (c) certifies that the cost data presented is complete and includes all related costs under this Contract but excludes costs under separate contracts, and excludes the Architect's redesign costs, and waives all claims for additional costs related to the substitution which subsequently became apparent; and
  - (d) Will coordinate the installation of the accepted substitute, making such changes as may be required for the Work to be complete in all respects.
- 3.4.2.5 Proofs of conformance, as hereinafter defined, will constitute satisfactory evidence as to the kind, quality and performance values of the respective products for which such proofs are required by the Specifications. Neither delivery nor installation of the respective products shall be made until written acceptance by the Architect of the submitted proof of conformance is received by the Contractor, unless Architect gives written instruction to the contrary.
- 3.4.2.6 Affidavit - An affidavit is a notarized statement on the letterhead of the manufacturer and signed by a responsible agent of the manufacturer, certifying that the product is in conformance with the requirements of the specified regulatory agency or reference standard or performance values, as applicable; in the case of the latter, the performance values shall be listed. Each Affidavit shall be identified by name of Project, Architect's Project number, name of product, and Specification section, page and paragraphs for which the product is proposed.



3.4.2.7 Testing Laboratory Certificate - A Testing Laboratory Certificate is a notarized test report from a laboratory, bureau or agency acceptable to the Architect, signed by a responsible agency of that facility, certifying that the designated product has been tested within one year of the date of submittal, unless otherwise specified, and is in conformance with the reference standard of performance requirements specified, and listing the results of all tests required. The testing laboratory certificate shall accompany an Affidavit as defined in clause 3.4.2.6.

Addition: new text as follows:

3.4.4 Materials supplied shall conform to industry and manufacturer's standards specified, in effect on the date of issuance of the specifications. Materials shall generally be shipped, received, stored, installed and protected in accordance with printed manufacturer's instructions as modified by the detailed provisions of the specifications. Copies of the printed manufacturer's or industry standards shall be maintained on file by the Contractor at his field office.

3.4.5 Not later than 72 hours from the Contract Date or letter of intent to award contract, the Contractor shall provide a list showing the name of the manufacturer proposed to be used for each of the products identified in the General Requirements of the Specifications (Division 1) and, where applicable, the name of the installing Subcontractor.

3.4.6 The Architect will promptly reply in writing to the Contractor stating whether the Owner or the Architect, after due investigation, has reasonable objection to any such proposal. If adequate data on any proposed manufacturer or installer is not available, the Architect may state that action will be deferred until the Contractor provides further data. Failure of the Owner or Architect to reply promptly shall constitute notice of no reasonable objection. Failure to object to a manufacturer shall not constitute a waiver of any

of the requirements of the Contract Documents, and all products furnished by the listed manufacturer must conform to such requirements.

Addition: new paragraphs as follows:

- 3.9.4 The Contractors superintendent or his authorized representative shall remain in attendance at the project site(s) and shall be present at all times when work of any kind is in progress, including overtime work.
- 3.13.1 Modification: Insert "the directions of the owner" into the paragraph to read in part as follows: "The Contractor shall confine operations at the site to areas permitted by law, ordinances, permits, the directions of the owner and the contract documents..."

Addition: new text as follows:

- 3.14.1.1 Unless specified otherwise, Work specified in each section of the specifications includes cutting, fitting, and patching for that trade section, including that required to accommodate the work of other trades.

Addition: new text as follows (paragraph to 3.15.1):

- 3.15.1.1 "The Contractor, each Subcontractor and all separate Contractors shall at all times keep the project site(s) free from their surplus and waste materials, and bulk rubbish and debris; combustible materials shall be removed daily or more often as may be required, non-combustible materials at least once a week. Such materials shall not be allowed to accumulate or disperse around the neighborhood(s). Further the Contractor is responsible for:
1. Positive implementation of the "General Safety Rules and Regulations for the Construction Industry", "State Construction Safety Commission, and appropriate City Ordinances as regards the scope of this paragraph.

2. Maintenance of the site and premises in an orderly and clean condition at all times.
3. Keeping all sidewalks, pavements, parking areas, floors and roofs free from any accumulations of snow, ice, dirt, rubbish and general refuse prior to completion of the building and site demolition.

Addition: new text as follows (sub-subparagraph to 4.2.3):

- 4.2.3.1 The Architects presence does not imply concurrence or approval of the work. The Contractor shall call specific things to the Architect's attention if he wishes to know the Architects opinion.

Addition: new text as follows (sub-paragraph to 5.2.1):

- 5.2.1.1 The Contractor shall have primary responsibility for obtaining bids and preparing and awarding Subcontracts for all portions of the Work (except General Condition Items).

- 5.4.1 Deletion: sub-paragraph & sub-subparagraphs in its entirety

Addition: new text as follows:

- 5.4.1 Unless the Owner elects otherwise, all Subcontracts shall be between the Contractor and the appropriate Subcontractor, and shall provide that the Subcontractor consents to the assignment of the Subcontract to the Owner pursuant to Section 5.3.4 hereof, and agrees in the event such assignment becomes effective, to recognize the Owner as successor to the Contractor and to complete the Work under the Subcontract.
- 5.4.2 The Contractor shall cause all Subcontractors, laborers and vendors to agree to indemnify the Owner and hold it harmless from all claims for property damage and bodily injury that may arise from such Subcontractor's operations. Such provisions shall be in a form reasonably satisfactory to Owner.

- 5.4.3 The agreement between Contractor and the Subcontractors (and, where appropriate, between Subcontractors and Sub-Subcontractors) shall contain provisions that:
- 5.4.3.1 Preserve and protect the right of the owner and the Architect under this Agreement with respect to the Work to be performed under the Subcontract so that the subcontracting thereof will not prejudice such rights;
  - 5.4.3.2 Require that such Work be performed in accordance with the requirements of these Contract Documents;
  - 5.4.3.3 Require submission to Contractor of applications for payment under each Subcontract and Sub-Subcontract, in reasonable time to enable Contractor to apply for payment in accordance with General Conditions of the Construction Contract, all such applications to be in a form that fully complies with all requirements of the Michigan Construction Lien Act, the Michigan Builder's Trust Fund Act, any other requirements of law, the requirements of any financing agency and any requirements of Owner and Owner's title insurer to demonstrate the foregoing;
  - 5.4.3.4 Require that all claims for additional costs or extension of time with respect to subcontracted portions of the Work shall be submitted to Contractor (via any Subcontractor or Sub-Subcontractor where appropriate) in sufficient time so that Contractor may comply in the manner provided, if any, in this Agreement for a like claim by Contractor upon the Owner;
  - 5.4.3.5 Waive all rights the contracting parties may have against one another for damages caused by fire or other perils covered by the property insurance described in General Conditions hereof;
- 5.4.4 Contractor hereby assigns to Owner, as security for Contractor's performance hereunder, all Subcontracts and all other contracts and agreements entered into in connection with the Project, and appoints Owner is attorney to enforce said contracts according to their

terms. Such assignment shall be operative only in the event of default by, or termination of, Contractor under this Agreement.

- 7.3.3 Modification: change paragraph number to 7.3.3  
Addition: insert new item after 7.3.3.4 as follows:  
".5 cost to be determined based on estimated cost of materials, equipment and labor for the work, plus the percentage thereof stated in the Contract Documents for supervision, overhead and profit."

Addition: new text as follows:

- 8.3.4 Should the progress of the Work or of the Project be delayed by any fault or neglect or act or failure to act of the Contractor or any of Contractor's agents, employees, or anyone for whose acts any of them may be liable, so as to cause additional cost, expense, liability or damage to the Owner or damages or additional costs or expenses for which the Owner may or shall become liable, the Contractor shall and does hereby agree to compensate the Owner for and indemnify him against such costs, expenses, damages and liability.

Addition: new paragraph as follows:

- 9.3.1 Modification: change existing text to read as follows:  
"At least 20 days before the date established for each progress payment, the Contractor shall submit to the Architect an itemized Application for Payment for operations completed in accordance with the schedule of values. The Contractor shall be responsible to ensure that Application for Payment is complete, including notarized signature. A Sworn Statement from Contractor and partial waivers of lien from Subcontractors and major materials Suppliers shall also accompany each payment request, to confirm and acknowledge disbursement of the preceding payment. The Sworn Statement shall be a record attesting to the fact that sub-constructors suppliers, materials, etc. have been paid or paid for, when considering materials, from the time of the last application for payment by the Contractor. Partial

waivers of lien shall be properly completed and shall list the cumulative amounts of payments received by the date of the waiver. This requirement shall not be waived unless agreed upon in writing by both the Surety and Owner."

Addition: new text as follows (sub-subparagraph to 11.2)

11.2.1.1 The insurance required by sub-paragraph 11.2.1 shall be written and maintained without interruption from date of commencement of the work until date of final payment and termination of any coverage required to be maintained after final payment for not less than the following (or greater if required by law):

1. Workers' Compensation

- |   |               |
|---|---------------|
| (a) State: Michigan   | Statutory     |
| (b) Applicable Federal<br>(e.g., Longshoremen,<br>harbor work, Work at<br>or outside U.S.<br>Boundaries): | Statutory     |
| (c) Employer's Liability:   | \$1,000,000   |
| (d) Benefits Required by<br>Union labor Contracts:  | As applicable |

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2. Comprehensive General Liability (Including Premises-Operations; Independent Contractors' Protective; Products and Completed Operations; Broad Form Property Damage):
- (a) Bodily Injury:
    - \$1,000,000 Each Occurrence
    - \$2,000,000 Aggregate, Products & Completed Operations
  - (b) Property Damage:
    - \$1,000,000 Each Occurrence
    - \$2,000,000 Aggregate
  - (c) Products and Completed Operations Insurance shall be maintained for a minimum period of 1 year after final payment and Contractor shall continue to provide evidence of such coverage to Owner on an annual basis during the aforementioned period.
  - (d) Property Damage Liability Insurance shall include coverage for the following hazards:
    - X (Explosion)
    - C (Collapse)
    - U (Underground)
  - (e) Contractual Liability (Hold Harmless Coverage):
    - (1) Bodily Injury:
      - \$1,000,000 Each Occurrence
    - (2) Property Damage:
      - \$1,000,000 Each Occurrence
      - \$2,000,000 Aggregate
  - (f) Personal Injury, with Employment Exclusion deleted:
    - \$1,000,000 Aggregate

3. Comprehensive Automobile Liability (owned, non-owned, and hired):
- (a) Bodily Injury:
    - \$1,000,000 Each Person
    - \$1,000,000 Each Accident
  - (b) Property Damage:
    - \$1,000,000 Each Occurrence

NOTE: The State of Michigan has a no-fault insurance requirement. The Contractor shall be certain coverage is provided which conforms to any specific stipulation in the law.

- 11.2.2.2 Contractor shall procure and maintain builders risk insurance (Fire and Extended Coverage) on 100% completed value basis including the value of all materials furnished by parties other than the Contractors for installation in the project to cover all project structures and materials, supplies, equipment and fixtures including the installation cost thereof which are owned by the insured or for which the insured is legally liable. This policy is to have a zero (0) deductible for any and all claims made.

This policy will cover the property of insured a) while in transit at the risk of the insured, b) while on the construction site or awaiting installation, c) during construction installation or testing. This policy shall insure against all risk of direct physical damage or loss to the property insured hereunder and shall specially cover loss due to fire, wind, flood, collapse, extended coverage, vandalism and malicious mischief.

The Owner and Architect/Engineer and their consultants for this project shall be named on the policy as being also insured.



11.2.2.3 Subcontractor's Public Liability and Property Damage Insurance and Vehicle Liability Insurance:

(a) The Contractor shall either:

- (1) Require each of his subcontractors to procure and to maintain during the life of his subcontract, Subcontractor's Public Liability and Property Damage Insurance and Vehicle Liability Insurance of the type and in the amounts specified for the Contractor herein, or
- (2) Insure the activities of his subcontractors in his policy as specified herein.

Umbrella Excess Liability:

- (a) Umbrella Excess Liability must be supplied in an amount not less than \$10,000,000 (5,000,000.00 Each Occurrence & 5,000,000.00 Aggregate) and be made to cover at least all risks described in the Comprehensive General Liability and Comprehensive Motor Vehicle Liability policies.

11.2 Change: Where Owner is indicated change to Contractor

11.2.1 Modification: change the text to read as follows: "The Contractor shall obtain, maintain in force, and pay all cost incurred for, public liability insurance to protect the Owner & Architect/Engineer and their consultants for this project from claims which may arise from operations under the Contract. This policy is to have a zero (0) deductible for any and all claims made and name Owner and Architect/Engineer and their consultants as insured parties hereunder. Certificates of this insurance must be filed with the Owner and the Architect/Engineer prior to commencing work and remain in force for the full duration of the project.

11.2.1 Modification: delete phrase "Unless otherwise provided, the Owner..." in the first sentence and substitute, "The Contractor..."

- 11.2.1 Modification: change text of last part of first sentence after the phrase, "...at the site on a replacement cost basis..." to following text, "...with a zero deductible for any and all claims made."
- 11.2.1 Modification: change text of last sentence to read as follows: "This insurance shall name, in addition to the contractor, subcontractors and sub-subcontractors, the Owner and Architect/Engineer and their consultants as insured parties hereunder."
- 11.2.1 Addition: After last sentence insert the following: "The form of policy for this coverage shall be Completed Value. If the Owner is damaged by the failure of the Contractor to maintain such insurance, then the Contractor shall bear all reasonable costs properly attributable thereto."
- 11.2.2 Deletion: omit entire sub-subparagraph.
- 11.2.3 Change: Owner to Contractor and Contractor to Owner respectively where occurring in the original text
- 11.4 Addition: to end of last sentence insert the following: "...unless through gross negligence of contractor."
- 11.5.1 Revise Owner to Contactor and Contractor to Owner. Revise last paragraph to read; The Contractor shall pay the Architect and Owner their just shares of insurance proceeds received by the Contractor and by appropriate agreements the Architect and Owner shall make payments to their consultants and Contractor shall pay their own consultants in a similar manner.
- 11.1.2.1 Addition: "The Contractor shall furnish bonds covering faithful performance of the Contract and payment of obligations arising hereunder. Bonds may be obtained through the Contractors usual source and the cost thereof shall be included in the Contract Sum. The amount of each bond shall be equal to 100% of the total contract sum."

Addition: new text as follows (sub-subparagraph to 11.2.1):

- 11.1.2.2 The Contractor shall deliver the required bonds to the Owner not later than three days following the date the Agreement is entered into, or if the Work is to be commenced prior thereto in response to a letter of intent, the Contractor shall, prior to the commencement of the Work, submit evidence satisfactory to the Owner that such bonds will be furnished.

Addition: new text as follows (sub-subparagraph to 11.1.2):

- 11.1.2.3 The Contractor shall require the attorney-in-fact who executes the required bonds on behalf of the surety to affix thereto a certified and current copy of the power of attorney.

- 12.2.1 Addition: insert new text before first sentence: The Contractor, as a condition precedent to final payment, shall execute a guarantee in writing, warranting all products provided by him or for which he may be required to accept responsibility in accordance with the terms of the Contract Documents, to be and to remain without defect and in accordance with the Contract Documents.

- 12.2.2.1 Modification: in fifth line, after the words "shall correct it promptly", insert the words: "...commencing corrective action within seven days..."

Addition: new text as follows (sub-subparagraph to 12.2.2.1):

- 12.2.2.1 Where special guarantee is specified, the Contractor, as a condition precedent to final payment, shall submit to the Architect the guarantee in triplicate on 8-1/2-inch by 11-inch paper in the following form:

Wakely Project Number \_\_\_\_\_

Contractor's Job Number \_\_\_\_\_

Date \_\_\_\_\_

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Guaranteed Work \_\_\_\_\_  
\_\_\_\_\_  
Specification Section Number  
Reference \_\_\_\_\_  
Specification Page and  
Paragraphs Describing  
Guarantee \_\_\_\_\_  
Length of Guarantee (Years) \_\_\_\_\_  
Contractor \_\_\_\_\_  
Subcontractor \_\_\_\_\_

The Undersigned herewith warrant that the Work to which this guarantee applies has been executed in conformance with the requirements of the Contract Documents, and guarantee the Work to perform as specified without failure for the stated period of time after Substantial Completion or as otherwise agreed to by the Owner.

This guarantee does not apply to failure or to failure to perform due to abuse or neglect by the Owner, or his successor in interest, or damage by vandalism.

SUBCONTRACTOR -

Signed \_\_\_\_\_

Title \_\_\_\_\_

Notary \_\_\_\_\_

Date \_\_\_\_\_

CONTRACTOR -

Signed \_\_\_\_\_

Title \_\_\_\_\_

Notary \_\_\_\_\_

Date \_\_\_\_\_

- 12.2.2.2 Responsibility for the securing, verifying, recording, transmitting to the Architect, and all other actions, regarding the specified special guarantees rests with the Contractor. The Architect will not accept transmittals of guarantees from parties other than the Contractor.

Addition: new text as follow (sub-subparagraph to 12.2.3):

- 12.2.3.1 Limits of non-conforming Work: When any such Work is found, the entire area of work involved shall be corrected unless the Contractor can completely define the limits. Additional testing, sampling, or inspecting needed to define non-conforming work shall be at the contractor's expense. They shall employ the Owner's independent testing laboratory, or a mutually satisfactory independent testing laboratory, if such services are required. All corrected work shall be re-tested at the Contractor's expense.

Addition: new text as follows: (sub-subparagraph to 12.2.4):

- 12.2.4.1 Restriction of Supplier's Identification: In areas generally accessible to the public. Omit all supplier's name plates and identification symbols from visible products.

14.2.1 Addition: new text as follows, sub-subparagraph after last item listed: ".5 should cause or give cause for legal proceeding seeking to have himself adjudged a bankrupt, or should the Contractor become insolvent, or if the contractor is adjudged a bankrupt, or if he makes a general assignment for the benefit of his creditors."

Addition: new article as follows:

Article 16

Equal Opportunity

16.1 The Contractor shall maintain policies of employment as follows:

16.1.1 The Contractor and all Subcontractors shall not discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin or age. The Contractor shall take affirmative action to insure that applicants are employed, and that employees are treated during employment without regard to their race, religion, color, sex, national origin or age. Such action shall include, but not be limited to the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the policies of non-discrimination.

16.1.2 The Contractor and all Subcontractors shall, in all solicitations or advertisements for employees placed by them or on their behalf; state that all qualified applicants will receive consideration for employment without regard to race, religion, color, sex, national origin or age. Addition: new article as follows:

Article 17

Special Conditions

17.1 Michigan Construction Lien Statute

17.1.1 Contractor must record the notice of commencement, on behalf of the Owner, with the Register of Deeds and shall post the notice in a conspicuous place on the site.

Addition: new article as follows:

Article 18

Abbreviations

18.1 Abbreviations

18.1.1 When the following abbreviations and symbols are used in the Contract Documents, or Subcontract documents, they shall have the meaning shown. Many of the abbreviations used throughout the Subcontract documents refer to associations, institutes, societies and other public bodies who publish standards which are readily available to the public. Whenever the initials representing such a body are shown, followed by a number or a combination of numbers and letters, they refer to a particular standard to which the Subcontractor shall conform. The number or combination of numerals and letters, following the abbreviation designates the standard. In all such cases, the Subcontractor shall conform to the edition or issue of the standard which is current at the Subcontract date, as revised or amended to the Subcontract date.

18.1.2 Abbreviations and Meanings for Organizations.

AIA	American Institute of Architects
AASHO	American Association of State Highway Officials
ACI	American Concrete Institute
AIEE	American Institute of Electrical Engineers
AISC	American Institute of Steel Construction

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ASA	American Standard Association
ASH & AE	American Society of Heating & Air Conditioning Engineers
ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing and Materials
AWI	American Woodwork Institute
AWSC	American Welding Society Code
CSI	Construction Specification Institute
FS	Federal Specifications
NAFM	National Association of Fan Manufacturers
NBFU	National Board of Fire Underwriters
NBS	National Bureau of Standards
NEC	National Electric Code
NEMA	National Electrical Manufacturers Association
UL	Underwriters Laboratories
USDC	U.S. Department of Commerce

18.1.3 Abbreviations and Meanings for Construction Terms.

ad	access door	oc	on center
b	bottom layer reinf. concrete	od	outside diameter
brg	bearing	part	partition
brkt	bracket	pol	polished
cl	centerline	po	polyethylene
ci	cast iron	pl	plate
cc	center to center	psi	pounds per sq. in.
conc	concrete	psf	pounds per sq. foot
cont	continuous	rec	recessed
csk	countersunk	reinf	reinforced
crs	courses	rh	right hand
dh	double hung	rhr	right hand reverse
div	division	rm	room
dpc	dampproof course	rs	roof sump
dwg	drawing	rwc	rain water conductor
ef	exhaust fan	rwl	rain water leader
elev	elevation	s.f.	square foot
ewc	electric water cooler	ss	stainless steel
exist	existing	std	standard
fin	finished, finishing	t&f	tongue and groove
ftg	footing	terr	terrazzo



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fd	floor drain	typ	typical
flr/fl	floor	u/s	underside
ga	gauge	ul	upper layer reinf.
gi	galvanized iron		concrete
gs	galvanized sheet	vct	vinyl composition
gsg	galvanized sheet gauge		tile
hor	horizontal	vb	vapor barrier
ins	inches	vert	vertical
id	inside diameter	wc	water closet
ksf	kips per square foot	wt	weight
lav	lavatory	wd	wood
lh	left hand		
lhr	left hand reverse	E-W	East to West in reinf. concrete
lpc	laminated plastic covering	N-S	North to South in reinf. concrete
mk	master keyed		diameter foot, feet
max	maximum	O/	
met	metal	'	
min	minimum		
mfgr	manufacturer	"	inch, inches
ms	manufacturers standard	#	pounds (behind numerals)
mo	masonry opening		
nrc	noise reduction coefficient		

END OF SECTION

WARREN CONSOLIDATED SCHOOLS  
DEMOLITION OF  
VARIOUS STRUCTURES

231986

AUGUST 25, 2023

SECTION 00851 - INDEX OF DRAWINGS

TITLE SHEET

The following drawings, dated August 25, 2023, are issued for Warren Consolidated Schools, Demolition of Various Structures, Warren, Michigan. Architect's Project Number 231986.

TITLE SHEET

SHEET NO.            TITLE

G2.0            GENERAL INFORMATION

**CONVENT DRAWINGS:**

C1.01            SITE DEMOLITION PLAN  
AD1.0            DEMOLITION PLANS, GENERAL NOTES, EXISTING CONDITIONS  
                  (TYP), DEMOLITION PLAN KEYNOTES, & ARCHITECTURAL  
                  SYMBOL LEGEND  
AD1.1            ROOM FINISH SCHEDULE & DEMOLITION ELEVATIONS

**HOUSE DRAWINGS:**

C2.01            SITE DEMOLITION PLAN  
AD2.0            DEMOLITION PLANS, GENERAL NOTES, EXISTING CONDITIONS,  
                  KEYNOTES, & SYMBOL LEGEND

**REFERENCE DRAWINGS (JOB NUMBER NP19134):**

1 OF 1            PFROMM EDUCATION CENTER - TOPOGRAPHICAL SURVEY

END OF SECTION 00851

**WARREN CONSOLIDATED SCHOOLS**

**ASBESTOS INSPECTION REPORT FOR**

**3235 12 Mile Road**

**AUGUST 2023**



**ENVIRONMENTAL, INC.**

**5300 PLYMOUTH ROAD  
ANN ARBOR, MICHIGAN 48105  
734-930-0995**



September 6, 2023

Ms. Laura Mabee  
Manager of Auxiliary Services  
Warren Consolidated Schools  
31950 Mound Rd.  
Warren, MI 48092

Dear Ms. Mabee:

The following is the Asbestos Inspection Report of 3235 12 Mile Road, prepared for Warren Consolidated Schools.

The Asbestos Inspection, conducted by Nova Environmental, Inc., is separated into the following sections:

Section I	Background/Inspection Information
Section II	Inspection Results
Section III	Laboratory Results
Section IV	Facility Information/Diagram
Section V	Qualifications/Certifications/General Disclaimer Statement

If you have any questions or concerns regarding the information presented within this report, please feel free to contact me at (734) 930-0995.

Thank you for choosing Nova Environmental, Inc.

Sincerely,

NOVA ENVIRONMENTAL, INC.

A handwritten signature in blue ink, appearing to read "Adam Amin", is written over a horizontal line.

Adam Amin  
Senior Environmental Consultant

AA/ab



**Warren Consolidated Schools  
3235 12 Mile Road**

**Section I  
Background/Inspection Information**

**Background:**

On August 18 & 23, 2023, representatives of Nova Environmental, Inc. conducted an Asbestos Inspection within 3235 12 Mile Road. The intent of this inspection was to determine potential asbestos content within interior and exterior accessible building materials/components.

During the on-site inspection phase, Nova collected a total of 115 bulk samples. Each of these samples was analyzed under Polarizing Light Microscopy (PLM) by EMSL Analytical, Inc., an accredited laboratory, utilizing EPA 600/R-93/116 Method. Bulk samples analyzed <5% asbestos was subsequently analyzed using the point count method. There was a total of 1 bulk sample analyzed using the point count method. All laboratory result sheets are in Section III of this report.

It should be noted that the following limitations were realized during the inspection phase:

- Nova Environmental, Inc. collected bulk samples of accessible suspect asbestos-containing material (ACM).
- Nova Environmental, Inc. only quantified accessible suspect ACM, therefore, all quantities are estimates of the actual amounts.
- Further inspection of inaccessible areas will be necessary before any renovation or demolition takes place.
- Due to recent interpretations by MIOSHA, all materials that have been analyzed < 1 % asbestos by point count will still need to follow the OSHA Asbestos Construction Standard when disturbed.

A General Disclaimer Statement regarding this asbestos inspection is located in Section V of this Report.

## **Inspection Information:**

All bulk samples were collected by Michigan Accredited Asbestos Inspectors in accordance with 40CFR Part 763 of the EPA's AHERA regulation. This sampling strategy is required according to 29 CFR Part 1926.1101 of the OSHA Asbestos Construction Standard for public and commercial buildings.

There are several terms/phrases that are identified in the various EPA and OSHA asbestos regulations, which are used within this ACM Survey report. They are as follows:

- ***Asbestos-Containing Material (ACM):***  
Refers to a material, which contains more than 1% asbestos. If a given material contains over 1% asbestos, it is considered asbestos by all federal and state government agencies. If the material contains less than or equal to 1% asbestos, it is legally non-asbestos containing material.
- ***Friable:***  
Refers to the ability of the material to crumble or pulverize under hand pressure when dry.
- ***Functional Space (FS):***  
Means a room, group of rooms or separate independent area, such as hallways, restrooms, etc.
- ***Functional Space Number:***  
A number, assigned to each functional space by either the building owner or Nova.
- ***Homogeneous Area (HA):***  
Refers to a material that is uniform in color and texture.
- ***Homogeneous Area Number:***  
A number, assigned to each homogeneous area by the Nova Inspector(s).
- ***Miscellaneous Material:***  
Any material, which is not classified as thermal system insulation or surfacing material.
- ***Surfacing Material:***  
Means material that is sprayed trowelled-on or otherwise applied to surfaces, (such as acoustical plaster on ceilings and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, and other purposes).
- ***Thermal System Insulation (TSI):***  
Means ACM applied to pipes, fittings, boilers, breeching, tanks, ducts or other structural components to prevent heat loss or gain.
- ***Units:***  
Units of measurement in either square feet, linear feet or totals, such as a total count of a given material or component.



**Warren Consolidated Schools  
3235 12 Mile Road**

**Section II  
Inspection Results**

This section is delineated into three separate sub-sections. Included in each sub-section are FS# or functional space numbers, FS Description, Material Description, amount of material present, whether the material is positive, negative, or assumed asbestos and its present status. Please note that within the sub-sections all materials tested **positive** or **assumed** to be asbestos are in bold, while all materials tested negative for asbestos are in regular type.

A listing and description of each sub-section follows:

- ***Homogeneous Area Listing***  
This listing provides a complete material listing as well as whether the material contains asbestos, is assumed or is negative for asbestos-containing material.
- ***List by Functional Space Number***  
This listing provides all inspection information organized by functional space.
- ***List by Homogeneous Areas***  
This listing provides all inspection information organized by homogeneous area, or material description.

The laboratory results are in Section III of this Report.

3235 12 Mile Road  
Homogeneous Area Listing

Homogeneous Area Description	HA#	Asbestos
Concrete	1	Negative
Stone Windowsill - White	2	Negative
Smooth Plaster Wall - Finishcoat	3	Negative
Smooth Plaster Wall - Browncoat	4	Negative
Smooth Plaster Ceiling - Finishcoat	5	Negative
Smooth Plaster Ceiling - Browncoat	6	Negative
Wooden Covebase Caulk - White	7	Negative
Drywall	8	Negative
Drywall Mud	9	Negative
Drywall Tape	10	Negative
4" Covebase - Black	11	Negative
Mastic for 4" Covebase - Black	12	Negative
Vent Caulk - White	13	Negative
Door Caulk - White	14	Negative
Vinyl Sheeting - Gray Wood	15	Negative
Mastic for Vinyl Sheeting - Gray Wood	16	Negative
Light Heat Shield	17	Negative
Stair Overhang Caulk - White	18	Negative
Carpet Lining - Black	19	Negative
Cinderblock	20	Negative
Cinderblock Mortar	21	Negative
Wooden Panel Caulk - White	22	Negative
Aluminum Fiberglass Insulation	23	Negative
Fiberglass Window Insulation	24	Negative
Ceramic for Ceramic Floor 1	25	Negative
Grout for Ceramic Floor 1	26	Negative
Ceramic for Ceramic Wall 1	27	Negative
Grout for Ceramic Wall 1	28	Negative
Ceramic Floor Caulk - White	29	Negative
Bathtub Caulk - White	30	Negative
Toilet Caulk - White	31	Negative
<b>Stair Tread - Black w/White and Blue Dots</b>	<b>32</b>	<b>Positive</b>
Ceramic for Ceramic Floor 2	33	Negative
Grout for Ceramic Floor 2	34	Negative
Textured Wall	35	Negative
Sink Caulk - White	36	Negative
Ceramic for Ceramic Wall 2	37	Negative
Grout for Ceramic Wall 2	38	Negative
1' x 1' Ceiling Tile - Textured	39	Negative
<b>Vinyl Sheeting - Black w/White and Blue Dots</b>	<b>40</b>	<b>Positive</b>
Mastic for Vinyl Sheeting - Black w/White and Blue Dots	41	Negative
<b>Unknown Floor Tile - Teal</b>	<b>42</b>	<b>Positive</b>
Mastic for Unknown Floor Tile - Teal	43	Negative
Fiberboard Wall	44	Negative
<b>Unknown Floor Tile - Brown</b>	<b>45</b>	<b>Positive</b>
Mastic for Unknown Floor Tile - Brown	46	Negative
Ceramic Countertop	47	Negative
1' x 1' Ceiling Tile - Random Dots	48	Negative
Sink Undercoating - Gray	49	Negative
Backsplash Caulk	50	Negative
Ceramic for Ceramic Wall - 3	51	Negative



**Warren Consolidated Schools**

3235 12 Mile Road  
Homogeneous Area Listing

<b>Homogeneous Area Description</b>	<b>HA#</b>	<b>Asbestos</b>
Grout for Ceramic Wall - 3	52	Negative
<b>Window Glaze - Gray</b>	<b>53</b>	<b>Positive</b>
Fiberglass Deck Insulation	53.1	Negative
Exterior Fiberboard	54	Negative
<b>Exterior Overhang Caulk</b>	<b>55</b>	<b>Positive</b>
<b>Exterior Window Caulk - Gray</b>	<b>56</b>	<b>Positive</b>
Exterior Door Caulk - White	57	Negative
Exterior Deck Cinderblock	58	Negative
Exterior Deck Cinderblock Mortar	59	Negative
Exterior Cinderblock	60	Negative
Exterior Cinderblock Mortar	61	Negative
Exterior Decorative Brick	62	Negative
Exterior Decorative Brick Mortar	63	Negative
<b>Exterior Siding Caulk</b>	<b>64</b>	<b>Positive</b>
Exterior Stone Sill	65	Negative
Exterior Vapor Barrier	66	Negative
Exterior Roof Shingle	67	Negative
Exterior Roof Shingle Barrier	68	Negative
Exterior Roof Shingle Barrier Mastic	69	Negative
Exterior Garage Cinderblock	70	Negative
Exterior Garage Cinderblock Mortar	71	Negative
Exterior Garage Window Caulk - White	72	*Trace
Exterior Garage Shingle	73	Negative
Exterior Garage Shingle Barrier	74	Negative
<b>Unknown Floor Tile - White/Black</b>	<b>75</b>	<b>Positive</b>
Mastic for Unknown Floor Tile - White/Black	76	Negative
Fire Brick	77	Negative
Fire Brick Mortar	78	Negative
Unknown Floor Material	79	Negative
Flooring Felt	80	Negative
Rolled Roofing	81	Negative
Vinyl Sheeting - Red Flower Pattern (Top Layer)	82	Negative
Vinyl Sheeting - Red Flower Pattern (Bottom Layer)	83	Negative
Fiberglass Insulation - White	84	Negative
Vinyl Sheeting - Blue	85	Negative
Ceiling Panel - White Core	86	Negative
<b>Light Heat Shield - Gray</b>	<b>87</b>	<b>Positive</b>
Ceiling Tile - White Core	88	Negative
Decorative Stone Caulk - Gray	89	Negative
Mastic for Stair Tread - Black w/White and Blue Dots	90	Negative

**Warren Consolidated Schools**

3235 12 Mile Road  
List by Functional Space

FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
1	Main Entrance	Concrete	1	120	Sq. Ft.	Negative
1	Main Entrance	Stone Windowsill - White	2	6	Sq. Ft.	Negative
1	Main Entrance	Smooth Plaster Wall - Finishcoat	3	420	Sq. Ft.	Negative
1	Main Entrance	Smooth Plaster Wall - Browncoat	4	420	Sq. Ft.	Negative
1	Main Entrance	Smooth Plaster Ceiling - Finishcoat	5	120	Sq. Ft.	Negative
1	Main Entrance	Smooth Plaster Ceiling - Browncoat	6	120	Sq. Ft.	Negative
1	Main Entrance	Wooden Covebase Caulk - White	7	42	Ln. Ft.	Negative
1	Main Entrance	Flooring Felt	80	143	Sq. Ft.	Negative
2	SW Room	Concrete	1	100	Sq. Ft.	Negative
2	SW Room	Stone Windowsill - White	2	6	Sq. Ft.	Negative
2	SW Room	Smooth Plaster Wall - Finishcoat	3	400	Sq. Ft.	Negative
2	SW Room	Smooth Plaster Wall - Browncoat	4	400	Sq. Ft.	Negative
2	SW Room	Smooth Plaster Ceiling - Finishcoat	5	400	Sq. Ft.	Negative
2	SW Room	Smooth Plaster Ceiling - Browncoat	6	400	Sq. Ft.	Negative
2	SW Room	Drywall	8	15	Sq. Ft.	Negative
2	SW Room	Drywall Mud	9	15	Sq. Ft.	Negative
2	SW Room	Drywall Tape	10	15	Sq. Ft.	Negative
2	SW Room	4" Covebase - Black	11	3	Ln. Ft.	Negative
2	SW Room	Mastic for 4" Covebase - Black	12	3	Ln. Ft.	Negative
2	SW Room	Vent Caulk - White	13	5	Ln. Ft.	Negative
2	SW Room	Flooring Felt	80	120	Sq. Ft.	Negative
3	Dining Room	Concrete	1	120	Sq. Ft.	Negative
3	Dining Room	Stone Windowsill - White	2	6	Sq. Ft.	Negative
3	Dining Room	Smooth Plaster Wall - Finishcoat	3	420	Sq. Ft.	Negative
3	Dining Room	Smooth Plaster Wall - Browncoat	4	420	Sq. Ft.	Negative
3	Dining Room	Smooth Plaster Ceiling - Finishcoat	5	120	Sq. Ft.	Negative
3	Dining Room	Smooth Plaster Ceiling - Browncoat	6	120	Sq. Ft.	Negative
3	Dining Room	4" Covebase - Black	11	42	Ln. Ft.	Negative
3	Dining Room	Mastic for 4" Covebase - Black	12	42	Ln. Ft.	Negative
3	Dining Room	Vent Caulk - White	13	3	Ln. Ft.	Negative
3	Dining Room	Flooring Felt	80	143	Sq. Ft.	Negative
4	Kitchen	Concrete	1	195	Sq. Ft.	Negative
4	Kitchen	Stone Windowsill - White	2	10	Sq. Ft.	Negative
4	Kitchen	Smooth Plaster Wall - Finishcoat	3	560	Sq. Ft.	Negative
4	Kitchen	Smooth Plaster Wall - Browncoat	4	560	Sq. Ft.	Negative
4	Kitchen	Smooth Plaster Ceiling - Finishcoat	5	195	Sq. Ft.	Negative

**Warren Consolidated Schools**

3235 12 Mile Road  
List by Functional Space

FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
4	Kitchen	Smooth Plaster Ceiling - Browncoat	6	195	Sq. Ft.	Negative
4	Kitchen	4" Covebase - Black	11	56	Ln. Ft.	Negative
4	Kitchen	Mastic for 4" Covebase - Black	12	56	Ln. Ft.	Negative
4	Kitchen	Door Caulk - White	14	20	Ln. Ft.	Negative
4	Kitchen	Vinyl Sheeting - Gray Wood	15	195	Sq. Ft.	Negative
4	Kitchen	Mastic for Vinyl Sheeting - Gray Wood	16	195	Sq. Ft.	Negative
4	Kitchen	Light Heat Shield	17	1	Total	Negative
4	Kitchen	Unknown Floor Material	79	225	Sq. Ft.	Negative
4	Kitchen	Flooring Felt	80	225	Sq. Ft.	Negative
5	1st Floor Restroom	Concrete	1	30	Sq. Ft.	Negative
5	1st Floor Restroom	Smooth Plaster Wall - Finishcoat	3	220	Sq. Ft.	Negative
5	1st Floor Restroom	Smooth Plaster Wall - Browncoat	4	220	Sq. Ft.	Negative
5	1st Floor Restroom	Smooth Plaster Ceiling - Finishcoat	5	30	Sq. Ft.	Negative
5	1st Floor Restroom	Smooth Plaster Ceiling - Browncoat	6	30	Sq. Ft.	Negative
5	1st Floor Restroom	Vent Caulk - White	13	2	Ln. Ft.	Negative
5	1st Floor Restroom	Ceramic for Ceramic Floor 1	25	30	Sq. Ft.	Negative
5	1st Floor Restroom	Grout for Ceramic Floor 1	26	30	Sq. Ft.	Negative
5	1st Floor Restroom	Ceramic for Ceramic Wall 1	27	170	Sq. Ft.	Negative
5	1st Floor Restroom	Grout for Ceramic Wall 1	28	170	Sq. Ft.	Negative
5	1st Floor Restroom	Ceramic Floor Caulk - White	29	22	Ln. Ft.	Negative
5	1st Floor Restroom	Bathtub Caulk - White	30	10	Ln. Ft.	Negative
5	1st Floor Restroom	Toilet Caulk - White	31	5	Ln. Ft.	Negative
6	1st Floor Bedroom	Concrete	1	273	Sq. Ft.	Negative
6	1st Floor Bedroom	Stone Windowsill - White	2	6	Sq. Ft.	Negative
6	1st Floor Bedroom	Smooth Plaster Wall - Finishcoat	3	680	Sq. Ft.	Negative
6	1st Floor Bedroom	Smooth Plaster Wall - Browncoat	4	680	Sq. Ft.	Negative
6	1st Floor Bedroom	Drywall	8	273	Sq. Ft.	Negative
6	1st Floor Bedroom	Drywall Mud	9	273	Sq. Ft.	Negative
6	1st Floor Bedroom	Drywall Tape	10	273	Sq. Ft.	Negative
6	1st Floor Bedroom	4" Covebase - Black	11	20	Ln. Ft.	Negative
6	1st Floor Bedroom	Mastic for 4" Covebase - Black	12	20	Ln. Ft.	Negative
6	1st Floor Bedroom	Flooring Felt	80	190	Sq. Ft.	Negative
7	1st/2nd Floor Stairway	Concrete	1	48	Sq. Ft.	Negative
7	1st/2nd Floor Stairway	Wooden Covebase Caulk - White	7	10	Ln. Ft.	Negative
7	1st/2nd Floor Stairway	Drywall	8	448	Sq. Ft.	Negative
7	1st/2nd Floor Stairway	Drywall Mud	9	448	Sq. Ft.	Negative

**Warren Consolidated Schools**

3235 12 Mile Road  
List by Functional Space

FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
7	1st/2nd Floor Stairway	Drywall Tape	10	448	Sq. Ft.	Negative
7	1st/2nd Floor Stairway	Vent Caulk - White	13	3	Ln. Ft.	Negative
7	1st/2nd Floor Stairway	Stair Overhang Caulk - White	18	10	Ln. Ft.	Negative
7	1st/2nd Floor Stairway	Carpet Lining - Black	19	20	Sq. Ft.	Negative
8	2nd Floor SE Room	Stone Windowsill - White	2	3	Sq. Ft.	Negative
8	2nd Floor SE Room	Drywall	8	650	Sq. Ft.	Negative
8	2nd Floor SE Room	Drywall Mud	9	650	Sq. Ft.	Negative
8	2nd Floor SE Room	Drywall Tape	10	650	Sq. Ft.	Negative
8	2nd Floor SE Room	Carpet Lining - Black	19	150	Sq. Ft.	Negative
8	2nd Floor SE Room	Cinderblock	20	15	Sq. Ft.	Negative
8	2nd Floor SE Room	Cinderblock Mortar	21	15	Sq. Ft.	Negative
8	2nd Floor SE Room	Fiberglass Deck Insulation	53.1	150	Sq. Ft.	Negative
8	2nd Floor SE Room	Vinyl Sheeting - Red Flower Pattern (Top Layer)	82	176	Sq. Ft.	Negative
8	2nd Floor SE Room	Vinyl Sheeting - Red Flower Pattern (Bottom Layer)	83	176	Sq. Ft.	Negative
8	2nd Floor SE Room	Fiberglass Insulation - White	84	176	Sq. Ft.	Negative
9	2nd Floor Center Room	4" Covebase - Black	11	36	Ln. Ft.	Negative
9	2nd Floor Center Room	Mastic for 4" Covebase - Black	12	36	Ln. Ft.	Negative
9	2nd Floor Center Room	Carpet Lining - Black	19	77	Sq. Ft.	Negative
9	2nd Floor Center Room	Wooden Panel Caulk - White	22	10	Ln. Ft.	Negative
9	2nd Floor Center Room	Fiberglass Deck Insulation	53.1	77	Sq. Ft.	Negative
10	2nd Floor North Room	4" Covebase - Black	11	24	Ln. Ft.	Negative
10	2nd Floor North Room	Mastic for 4" Covebase - Black	12	24	Ln. Ft.	Negative
10	2nd Floor North Room	Wooden Panel Caulk - White	22	10	Ln. Ft.	Negative
10	2nd Floor North Room	Aluminum Fiberglass Insulation	23	35	Sq. Ft.	Negative
10	2nd Floor North Room	Fiberglass Deck Insulation	53.1	35	Sq. Ft.	Negative
11	2nd Floor SW Room	Stone Windowsill - White	2	3	Sq. Ft.	Negative
11	2nd Floor SW Room	Drywall	8	710	Sq. Ft.	Negative
11	2nd Floor SW Room	Drywall Mud	9	710	Sq. Ft.	Negative
11	2nd Floor SW Room	Drywall Tape	10	710	Sq. Ft.	Negative
11	2nd Floor SW Room	Carpet Lining - Black	19	170	Sq. Ft.	Negative
11	2nd Floor SW Room	Cinderblock	20	15	Sq. Ft.	Negative
11	2nd Floor SW Room	Cinderblock Mortar	21	15	Sq. Ft.	Negative
11	2nd Floor SW Room	Fiberglass Window Insulation	24	10	Sq. Ft.	Negative
11	2nd Floor SW Room	Fiberglass Deck Insulation	53.1	170	Sq. Ft.	Negative
11	2nd Floor SW Room	Vinyl Sheeting - Blue	85	176	Sq. Ft.	Negative
12	1st Floor/Basement Landing	Concrete	1	36	Sq. Ft.	Negative

**Warren Consolidated Schools**

3235 12 Mile Road  
List by Functional Space

FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
12	1st Floor/Basement Landing	Smooth Plaster Wall - Finishcoat	3	300	Sq. Ft.	Negative
12	1st Floor/Basement Landing	Smooth Plaster Wall - Browncoat	4	300	Sq. Ft.	Negative
12	1st Floor/Basement Landing	Smooth Plaster Ceiling - Finishcoat	5	36	Sq. Ft.	Negative
12	1st Floor/Basement Landing	Smooth Plaster Ceiling - Browncoat	6	36	Sq. Ft.	Negative
12	1st Floor/Basement Landing	4" Covebase - Black	11	10	Ln. Ft.	Negative
12	1st Floor/Basement Landing	Mastic for 4" Covebase - Black	12	10	Ln. Ft.	Negative
12	1st Floor/Basement Landing	Door Caulk - White	14	20	Ln. Ft.	Negative
<b>12</b>	<b>1st Floor/Basement Landing</b>	<b>Stair Tread - Black w/White and Blue Dots</b>	<b>32</b>	<b>25</b>	<b>Sq. Ft.</b>	<b>Positive</b>
<b>12</b>	<b>1st Floor/Basement Landing</b>	<b>Vinyl Sheeting - Black w/White and Blue Dots</b>	<b>40</b>	<b>20</b>	<b>Sq. Ft.</b>	<b>Positive</b>
12	1st Floor/Basement Landing	Mastic for Vinyl Sheeting - Black w/White and Blue Dots	41	20	Sq. Ft.	Negative
12	1st Floor/Basement Landing	Mastic for Stair Tread - Black w/White and Blue Dots	90	25	Sq. Ft.	Negative
13	1st Floor/Basement Landing Restroom	Concrete	1	24	Sq. Ft.	Negative
13	1st Floor/Basement Landing Restroom	Stone Windowsill - White	2	3	Sq. Ft.	Negative
13	1st Floor/Basement Landing Restroom	Smooth Plaster Wall - Finishcoat	3	100	Sq. Ft.	Negative
13	1st Floor/Basement Landing Restroom	Smooth Plaster Wall - Browncoat	4	100	Sq. Ft.	Negative
13	1st Floor/Basement Landing Restroom	Ceramic for Ceramic Wall 1	27	100	Sq. Ft.	Negative
13	1st Floor/Basement Landing Restroom	Grout for Ceramic Wall 1	28	100	Sq. Ft.	Negative
13	1st Floor/Basement Landing Restroom	Toilet Caulk - White	31	5	Ln. Ft.	Negative
13	1st Floor/Basement Landing Restroom	Ceramic for Ceramic Floor 2	33	24	Sq. Ft.	Negative
13	1st Floor/Basement Landing Restroom	Grout for Ceramic Floor 2	34	24	Sq. Ft.	Negative
13	1st Floor/Basement Landing Restroom	Textured Wall	35	30	Sq. Ft.	Negative
13	1st Floor/Basement Landing Restroom	Sink Caulk - White	36	5	Ln. Ft.	Negative
14	Basement Vestibule/Stairway	Concrete	1	50	Sq. Ft.	Negative
14	Basement Vestibule/Stairway	4" Covebase - Black	11	20	Ln. Ft.	Negative
14	Basement Vestibule/Stairway	Mastic for 4" Covebase - Black	12	20	Ln. Ft.	Negative
14	Basement Vestibule/Stairway	Light Heat Shield	17	1	Total	Negative
<b>14</b>	<b>Basement Vestibule/Stairway</b>	<b>Stair Tread - Black w/White and Blue Dots</b>	<b>32</b>	<b>25</b>	<b>Sq. Ft.</b>	<b>Positive</b>
14	Basement Vestibule/Stairway	Ceramic for Ceramic Wall 2	37	50	Sq. Ft.	Negative
14	Basement Vestibule/Stairway	Grout for Ceramic Wall 2	38	50	Sq. Ft.	Negative
14	Basement Vestibule/Stairway	1' x 1' Ceiling Tile - Textured	39	50	Sq. Ft.	Negative
<b>14</b>	<b>Basement Vestibule/Stairway</b>	<b>Vinyl Sheeting - Black w/White and Blue Dots</b>	<b>40</b>	<b>35</b>	<b>Sq. Ft.</b>	<b>Positive</b>
14	Basement Vestibule/Stairway	Mastic for Vinyl Sheeting - Black w/White and Blue Dots	41	35	Sq. Ft.	Negative
<b>14</b>	<b>Basement Vestibule/Stairway</b>	<b>Unknown Floor Tile - Teal</b>	<b>42</b>	<b>35</b>	<b>Sq. Ft.</b>	<b>Positive</b>
14	Basement Vestibule/Stairway	Mastic for Unknown Floor Tile - Teal	43	35	Sq. Ft.	Negative
14	Basement Vestibule/Stairway	Fiberboard Wall	44	200	Sq. Ft.	Negative
<b>14</b>	<b>Basement Vestibule/Stairway</b>	<b>12" x 12" Floor Tile - White/Black</b>	<b>75</b>	<b>35</b>	<b>Sq. Ft.</b>	<b>Positive</b>

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FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
14	Basement Vestibule/Stairway	Mastic for 12" x 12" Floor Tile - White/Black	76	35	Sq. Ft.	Negative
14	Basement Vestibule/Stairway	Mastic for Stair Tread - Black w/White and Blue Dots	90	25	Sq. Ft.	Negative
15	Basement	Concrete	1	484	Sq. Ft.	Negative
15	Basement	4" Covebase - Black	11	88	Ln. Ft.	Negative
15	Basement	Mastic for 4" Covebase - Black	12	88	Ln. Ft.	Negative
15	Basement	Ceramic for Ceramic Wall 1	27	100	Sq. Ft.	Negative
15	Basement	Grout for Ceramic Wall 1	28	100	Sq. Ft.	Negative
15	Basement	Fiberboard Wall	44	880	Sq. Ft.	Negative
<b>15</b>	<b>Basement</b>	<b>Unknown Floor Tile - Brown</b>	<b>45</b>	<b>484</b>	<b>Sq. Ft.</b>	<b>Positive</b>
15	Basement	Mastic for Unknown Floor Tile - Brown	46	484	Sq. Ft.	Negative
15	Basement	Ceramic Countertop	47	100	Sq. Ft.	Negative
15	Basement	1' x 1' Ceiling Tile - Random Dots	48	484	Sq. Ft.	Negative
15	Basement	Sink Undercoating - Gray	49	1	Total	Negative
15	Basement	Backsplash Caulk	50	15	Ln. Ft.	Negative
15	Basement	Ceramic for Ceramic Wall - 3	51	250	Sq. Ft.	Negative
15	Basement	Grout for Ceramic Wall - 3	52	250	Sq. Ft.	Negative
<b>15</b>	<b>Basement</b>	<b>12" x 12" Floor Tile - White/Black</b>	<b>75</b>	<b>576</b>	<b>Sq. Ft.</b>	<b>Positive</b>
15	Basement	Mastic for 12" x 12" Floor Tile - White/Black	76	576	Sq. Ft.	Negative
<b>15</b>	<b>Basement</b>	<b>Light Heat Shield - Gray</b>	<b>87</b>	<b>1</b>	<b>Total</b>	<b>Positive</b>
15	Basement	Ceiling Tile - White Core	88	30	Sq. Ft.	Negative
16	NE Basement Room	Concrete	1	99	Sq. Ft.	Negative
16	NE Basement Room	Cinderblock	20	310	Sq. Ft.	Negative
16	NE Basement Room	Cinderblock Mortar	21	310	Sq. Ft.	Negative
16	NE Basement Room	1' x 1' Ceiling Tile - Random Dots	48	99	Sq. Ft.	Negative
<b>16</b>	<b>NE Basement Room</b>	<b>Window Glaze - Gray</b>	<b>53</b>	<b>10</b>	<b>Sq. Ft.</b>	<b>Positive</b>
16	NE Basement Room	Ceiling Panel - White Core	86	20	Sq. Ft.	Negative
16	NE Basement Room	Ceiling Tile - White Core	88	20	Sq. Ft.	Negative
17	NW Basement Room	Concrete	1	54	Sq. Ft.	Negative
17	NW Basement Room	Cinderblock	20	150	Sq. Ft.	Negative
17	NW Basement Room	Cinderblock Mortar	21	150	Sq. Ft.	Negative
18	Exterior	Exterior Fiberboard	54	3,000	Sq. Ft.	Negative
<b>18</b>	<b>Exterior</b>	<b>Exterior Overhang Caulk</b>	<b>55</b>	<b>250</b>	<b>Ln. Ft.</b>	<b>Positive</b>
<b>18</b>	<b>Exterior</b>	<b>Exterior Window Caulk - Gray</b>	<b>56</b>	<b>330</b>	<b>Ln. Ft.</b>	<b>Positive</b>
18	Exterior	Exterior Door Caulk - White	57	20	Ln. Ft.	Negative
18	Exterior	Exterior Deck Cinderblock	58	300	Sq. Ft.	Negative
18	Exterior	Exterior Deck Cinderblock Mortar	59	300	Sq. Ft.	Negative

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List by Functional Space

<b>FS#</b>	<b>FS Description</b>	<b>Homogeneous Area Description</b>	<b>HA#</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>
18	Exterior	Exterior Cinderblock	60	500	Sq. Ft.	Negative
18	Exterior	Exterior Cinderblock Mortar	61	500	Sq. Ft.	Negative
18	Exterior	Exterior Decorative Brick	62	800	Sq. Ft.	Negative
18	Exterior	Exterior Decorative Brick Mortar	63	800	Sq. Ft.	Negative
<b>18</b>	<b>Exterior</b>	<b>Exterior Siding Caulk</b>	<b>64</b>	<b>330</b>	<b>Ln. Ft.</b>	<b>Positive</b>
18	Exterior	Exterior Stone Sill	65	250	Sq. Ft.	Negative
18	Exterior	Exterior Vapor Barrier	66	100	Sq. Ft.	Negative
18	Exterior	Exterior Roof Shingle	67	875	Sq. Ft.	Negative
18	Exterior	Exterior Roof Shingle Barrier	68	875	Sq. Ft.	Negative
18	Exterior	Exterior Roof Shingle Barrier Mastic	69	875	Sq. Ft.	Negative
18	Exterior	Fire Brick	77	50	Sq. Ft.	Negative
18	Exterior	Fire Brick Mortar	78	50	Sq. Ft.	Negative
18	Exterior	Decorative Stone Caulk - Gray	89	20	Ln. Ft.	Negative
19	Garage Exterior	Exterior Garage Cinderblock	70	800	Sq. Ft.	Negative
19	Garage Exterior	Exterior Garage Cinderblock Mortar	71	800	Sq. Ft.	Negative
19	Garage Exterior	Exterior Garage Window Caulk - White	72	30	Ln. Ft.	*Trace
19	Garage Exterior	Exterior Garage Shingle	73	400	Sq. Ft.	Negative
19	Garage Exterior	Exterior Garage Shingle Barrier	74	400	Sq. Ft.	Negative
19	Garage Exterior	Rolled Roofing	81	125	Sq. Ft.	Negative

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List by Homogeneous Area

FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
1	Main Entrance	Concrete	1	120	Sq. Ft.	Negative
2	SW Room	Concrete	1	100	Sq. Ft.	Negative
3	Dining Room	Concrete	1	120	Sq. Ft.	Negative
4	Kitchen	Concrete	1	195	Sq. Ft.	Negative
5	1st Floor Restroom	Concrete	1	30	Sq. Ft.	Negative
6	1st Floor Bedroom	Concrete	1	273	Sq. Ft.	Negative
7	1st/2nd Floor Stairway	Concrete	1	48	Sq. Ft.	Negative
12	1st Floor/Basement Landing	Concrete	1	36	Sq. Ft.	Negative
13	1st Floor/Basement Landing Restroom	Concrete	1	24	Sq. Ft.	Negative
14	Basement Vestibule/Stairway	Concrete	1	50	Sq. Ft.	Negative
15	Basement	Concrete	1	484	Sq. Ft.	Negative
16	NE Basement Room	Concrete	1	99	Sq. Ft.	Negative
17	NW Basement Room	Concrete	1	54	Sq. Ft.	Negative
1	Main Entrance	Stone Windowsill - White	2	6	Sq. Ft.	Negative
2	SW Room	Stone Windowsill - White	2	6	Sq. Ft.	Negative
3	Dining Room	Stone Windowsill - White	2	6	Sq. Ft.	Negative
4	Kitchen	Stone Windowsill - White	2	10	Sq. Ft.	Negative
6	1st Floor Bedroom	Stone Windowsill - White	2	6	Sq. Ft.	Negative
8	2nd Floor SE Room	Stone Windowsill - White	2	3	Sq. Ft.	Negative
11	2nd Floor SW Room	Stone Windowsill - White	2	3	Sq. Ft.	Negative
13	1st Floor/Basement Landing Restroom	Stone Windowsill - White	2	3	Sq. Ft.	Negative
1	Main Entrance	Smooth Plaster Wall - Finishcoat	3	420	Sq. Ft.	Negative
2	SW Room	Smooth Plaster Wall - Finishcoat	3	400	Sq. Ft.	Negative
3	Dining Room	Smooth Plaster Wall - Finishcoat	3	420	Sq. Ft.	Negative
4	Kitchen	Smooth Plaster Wall - Finishcoat	3	560	Sq. Ft.	Negative
5	1st Floor Restroom	Smooth Plaster Wall - Finishcoat	3	220	Sq. Ft.	Negative
6	1st Floor Bedroom	Smooth Plaster Wall - Finishcoat	3	680	Sq. Ft.	Negative
12	1st Floor/Basement Landing	Smooth Plaster Wall - Finishcoat	3	300	Sq. Ft.	Negative
13	1st Floor/Basement Landing Restroom	Smooth Plaster Wall - Finishcoat	3	100	Sq. Ft.	Negative
1	Main Entrance	Smooth Plaster Wall - Browncoat	4	420	Sq. Ft.	Negative
2	SW Room	Smooth Plaster Wall - Browncoat	4	400	Sq. Ft.	Negative
3	Dining Room	Smooth Plaster Wall - Browncoat	4	420	Sq. Ft.	Negative
4	Kitchen	Smooth Plaster Wall - Browncoat	4	560	Sq. Ft.	Negative
5	1st Floor Restroom	Smooth Plaster Wall - Browncoat	4	220	Sq. Ft.	Negative
6	1st Floor Bedroom	Smooth Plaster Wall - Browncoat	4	680	Sq. Ft.	Negative
12	1st Floor/Basement Landing	Smooth Plaster Wall - Browncoat	4	300	Sq. Ft.	Negative



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FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
13	1st Floor/Basement Landing Restroom	Smooth Plaster Wall - Browncoat	4	100	Sq. Ft.	Negative
1	Main Entrance	Smooth Plaster Ceiling - Finishcoat	5	120	Sq. Ft.	Negative
2	SW Room	Smooth Plaster Ceiling - Finishcoat	5	400	Sq. Ft.	Negative
3	Dining Room	Smooth Plaster Ceiling - Finishcoat	5	120	Sq. Ft.	Negative
4	Kitchen	Smooth Plaster Ceiling - Finishcoat	5	195	Sq. Ft.	Negative
5	1st Floor Restroom	Smooth Plaster Ceiling - Finishcoat	5	30	Sq. Ft.	Negative
12	1st Floor/Basement Landing	Smooth Plaster Ceiling - Finishcoat	5	36	Sq. Ft.	Negative
1	Main Entrance	Smooth Plaster Ceiling - Browncoat	6	120	Sq. Ft.	Negative
2	SW Room	Smooth Plaster Ceiling - Browncoat	6	400	Sq. Ft.	Negative
3	Dining Room	Smooth Plaster Ceiling - Browncoat	6	120	Sq. Ft.	Negative
4	Kitchen	Smooth Plaster Ceiling - Browncoat	6	195	Sq. Ft.	Negative
5	1st Floor Restroom	Smooth Plaster Ceiling - Browncoat	6	30	Sq. Ft.	Negative
12	1st Floor/Basement Landing	Smooth Plaster Ceiling - Browncoat	6	36	Sq. Ft.	Negative
1	Main Entrance	Wooden Covebase Caulk - White	7	42	Ln. Ft.	Negative
7	1st/2nd Floor Stairway	Wooden Covebase Caulk - White	7	10	Ln. Ft.	Negative
2	SW Room	Drywall	8	15	Sq. Ft.	Negative
6	1st Floor Bedroom	Drywall	8	273	Sq. Ft.	Negative
7	1st/2nd Floor Stairway	Drywall	8	448	Sq. Ft.	Negative
8	2nd Floor SE Room	Drywall	8	650	Sq. Ft.	Negative
11	2nd Floor SW Room	Drywall	8	710	Sq. Ft.	Negative
2	SW Room	Drywall Mud	9	15	Sq. Ft.	Negative
6	1st Floor Bedroom	Drywall Mud	9	273	Sq. Ft.	Negative
7	1st/2nd Floor Stairway	Drywall Mud	9	448	Sq. Ft.	Negative
8	2nd Floor SE Room	Drywall Mud	9	650	Sq. Ft.	Negative
11	2nd Floor SW Room	Drywall Mud	9	710	Sq. Ft.	Negative
2	SW Room	Drywall Tape	10	15	Sq. Ft.	Negative
6	1st Floor Bedroom	Drywall Tape	10	273	Sq. Ft.	Negative
7	1st/2nd Floor Stairway	Drywall Tape	10	448	Sq. Ft.	Negative
8	2nd Floor SE Room	Drywall Tape	10	650	Sq. Ft.	Negative
11	2nd Floor SW Room	Drywall Tape	10	710	Sq. Ft.	Negative
2	SW Room	4" Covebase - Black	11	3	Ln. Ft.	Negative
3	Dining Room	4" Covebase - Black	11	42	Ln. Ft.	Negative
4	Kitchen	4" Covebase - Black	11	56	Ln. Ft.	Negative
6	1st Floor Bedroom	4" Covebase - Black	11	20	Ln. Ft.	Negative
9	2nd Floor Center Room	4" Covebase - Black	11	36	Ln. Ft.	Negative
10	2nd Floor North Room	4" Covebase - Black	11	24	Ln. Ft.	Negative

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FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
12	1st Floor/Basement Landing	4" Covebase - Black	11	10	Ln. Ft.	Negative
14	Basement Vestibule/Stairway	4" Covebase - Black	11	20	Ln. Ft.	Negative
15	Basement	4" Covebase - Black	11	88	Ln. Ft.	Negative
2	SW Room	Mastic for 4" Covebase - Black	12	3	Ln. Ft.	Negative
3	Dining Room	Mastic for 4" Covebase - Black	12	42	Ln. Ft.	Negative
4	Kitchen	Mastic for 4" Covebase - Black	12	56	Ln. Ft.	Negative
6	1st Floor Bedroom	Mastic for 4" Covebase - Black	12	20	Ln. Ft.	Negative
9	2nd Floor Center Room	Mastic for 4" Covebase - Black	12	36	Ln. Ft.	Negative
10	2nd Floor North Room	Mastic for 4" Covebase - Black	12	24	Ln. Ft.	Negative
12	1st Floor/Basement Landing	Mastic for 4" Covebase - Black	12	10	Ln. Ft.	Negative
14	Basement Vestibule/Stairway	Mastic for 4" Covebase - Black	12	20	Ln. Ft.	Negative
15	Basement	Mastic for 4" Covebase - Black	12	88	Ln. Ft.	Negative
2	SW Room	Vent Caulk - White	13	5	Ln. Ft.	Negative
3	Dining Room	Vent Caulk - White	13	3	Ln. Ft.	Negative
5	1st Floor Restroom	Vent Caulk - White	13	2	Ln. Ft.	Negative
7	1st/2nd Floor Stairway	Vent Caulk - White	13	3	Ln. Ft.	Negative
4	Kitchen	Door Caulk - White	14	20	Ln. Ft.	Negative
12	1st Floor/Basement Landing	Door Caulk - White	14	20	Ln. Ft.	Negative
4	Kitchen	Vinyl Sheeting - Gray Wood	15	195	Sq. Ft.	Negative
4	Kitchen	Mastic for Vinyl Sheeting - Gray Wood	16	195	Sq. Ft.	Negative
4	Kitchen	Light Heat Shield	17	1	Total	Negative
14	Basement Vestibule/Stairway	Light Heat Shield	17	1	Total	Negative
7	1st/2nd Floor Stairway	Stair Overhang Caulk - White	18	10	Ln. Ft.	Negative
7	1st/2nd Floor Stairway	Carpet Lining - Black	19	20	Sq. Ft.	Negative
8	2nd Floor SE Room	Carpet Lining - Black	19	150	Sq. Ft.	Negative
9	2nd Floor Center Room	Carpet Lining - Black	19	77	Sq. Ft.	Negative
11	2nd Floor SW Room	Carpet Lining - Black	19	170	Sq. Ft.	Negative
8	2nd Floor SE Room	Cinderblock	20	15	Sq. Ft.	Negative
11	2nd Floor SW Room	Cinderblock	20	15	Sq. Ft.	Negative
16	NE Basement Room	Cinderblock	20	310	Sq. Ft.	Negative
17	NW Basement Room	Cinderblock	20	150	Sq. Ft.	Negative
8	2nd Floor SE Room	Cinderblock Mortar	21	15	Sq. Ft.	Negative
11	2nd Floor SW Room	Cinderblock Mortar	21	15	Sq. Ft.	Negative
16	NE Basement Room	Cinderblock Mortar	21	310	Sq. Ft.	Negative
17	NW Basement Room	Cinderblock Mortar	21	150	Sq. Ft.	Negative
9	2nd Floor Center Room	Wooden Panel Caulk - White	22	10	Ln. Ft.	Negative

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FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
10	2nd Floor North Room	Wooden Panel Caulk - White	22	10	Ln. Ft.	Negative
10	2nd Floor North Room	Aluminum Fiberglass Insulation	23	35	Sq. Ft.	Negative
11	2nd Floor SW Room	Fiberglass Window Insulation	24	10	Sq. Ft.	Negative
5	1st Floor Restroom	Ceramic for Ceramic Floor 1	25	30	Sq. Ft.	Negative
5	1st Floor Restroom	Grout for Ceramic Floor 1	26	30	Sq. Ft.	Negative
5	1st Floor Restroom	Ceramic for Ceramic Wall 1	27	170	Sq. Ft.	Negative
13	1st Floor/Basement Landing Restroom	Ceramic for Ceramic Wall 1	27	100	Sq. Ft.	Negative
15	Basement	Ceramic for Ceramic Wall 1	27	100	Sq. Ft.	Negative
5	1st Floor Restroom	Grout for Ceramic Wall 1	28	170	Sq. Ft.	Negative
13	1st Floor/Basement Landing Restroom	Grout for Ceramic Wall 1	28	100	Sq. Ft.	Negative
15	Basement	Grout for Ceramic Wall 1	28	100	Sq. Ft.	Negative
5	1st Floor Restroom	Ceramic Floor Caulk - White	29	22	Ln. Ft.	Negative
5	1st Floor Restroom	Bathtub Caulk - White	30	10	Ln. Ft.	Negative
5	1st Floor Restroom	Toilet Caulk - White	31	5	Ln. Ft.	Negative
13	1st Floor/Basement Landing Restroom	Toilet Caulk - White	31	5	Ln. Ft.	Negative
<b>12</b>	<b>1st Floor/Basement Landing</b>	<b>Stair Tread - Black w/White and Blue Dots</b>	<b>32</b>	<b>25</b>	<b>Sq. Ft.</b>	<b>Positive</b>
<b>14</b>	<b>Basement Vestibule/Stairway</b>	<b>Stair Tread - Black w/White and Blue Dots</b>	<b>32</b>	<b>25</b>	<b>Sq. Ft.</b>	<b>Positive</b>
13	1st Floor/Basement Landing Restroom	Ceramic for Ceramic Floor 2	33	24	Sq. Ft.	Negative
13	1st Floor/Basement Landing Restroom	Grout for Ceramic Floor 2	34	24	Sq. Ft.	Negative
13	1st Floor/Basement Landing Restroom	Textured Wall	35	30	Sq. Ft.	Negative
13	1st Floor/Basement Landing Restroom	Sink Caulk - White	36	5	Ln. Ft.	Negative
14	Basement Vestibule/Stairway	Ceramic for Ceramic Wall 2	37	50	Sq. Ft.	Negative
14	Basement Vestibule/Stairway	Grout for Ceramic Wall 2	38	50	Sq. Ft.	Negative
14	Basement Vestibule/Stairway	1' x 1' Ceiling Tile - Textured	39	50	Sq. Ft.	Negative
<b>12</b>	<b>1st Floor/Basement Landing</b>	<b>Vinyl Sheeting - Black w/White and Blue Dots</b>	<b>40</b>	<b>20</b>	<b>Sq. Ft.</b>	<b>Positive</b>
<b>14</b>	<b>Basement Vestibule/Stairway</b>	<b>Vinyl Sheeting - Black w/White and Blue Dots</b>	<b>40</b>	<b>35</b>	<b>Sq. Ft.</b>	<b>Positive</b>
12	1st Floor/Basement Landing	Mastic for Vinyl Sheeting - Black w/White and Blue Dots	41	20	Sq. Ft.	Negative
14	Basement Vestibule/Stairway	Mastic for Vinyl Sheeting - Black w/White and Blue Dots	41	35	Sq. Ft.	Negative
<b>14</b>	<b>Basement Vestibule/Stairway</b>	<b>Unknown Floor Tile - Teal</b>	<b>42</b>	<b>35</b>	<b>Sq. Ft.</b>	<b>Positive</b>
14	Basement Vestibule/Stairway	Mastic for Unknown Floor Tile - Teal	43	35	Sq. Ft.	Negative
14	Basement Vestibule/Stairway	Fiberboard Wall	44	200	Sq. Ft.	Negative
15	Basement	Fiberboard Wall	44	880	Sq. Ft.	Negative
<b>15</b>	<b>Basement</b>	<b>Unknown Floor Tile - Brown</b>	<b>45</b>	<b>484</b>	<b>Sq. Ft.</b>	<b>Positive</b>
15	Basement	Mastic for Unknown Floor Tile - Brown	46	484	Sq. Ft.	Negative
15	Basement	Ceramic Countertop	47	100	Sq. Ft.	Negative
15	Basement	1' x 1' Ceiling Tile - Random Dots	48	484	Sq. Ft.	Negative

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<b>FS#</b>	<b>FS Description</b>	<b>Homogeneous Area Description</b>	<b>HA#</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>
16	NE Basement Room	1' x 1' Ceiling Tile - Random Dots	48	99	Sq. Ft.	Negative
15	Basement	Sink Undercoating - Gray	49	1	Total	Negative
15	Basement	Backsplash Caulk	50	15	Ln. Ft.	Negative
15	Basement	Ceramic for Ceramic Wall - 3	51	250	Sq. Ft.	Negative
15	Basement	Grout for Ceramic Wall - 3	52	250	Sq. Ft.	Negative
<b>16</b>	<b>NE Basement Room</b>	<b>Window Glaze - Gray</b>	<b>53</b>	<b>10</b>	<b>Sq. Ft.</b>	<b>Positive</b>
8	2nd Floor SE Room	Fiberglass Deck Insulation	53.1	150	Sq. Ft.	Negative
9	2nd Floor Center Room	Fiberglass Deck Insulation	53.1	77	Sq. Ft.	Negative
10	2nd Floor North Room	Fiberglass Deck Insulation	53.1	35	Sq. Ft.	Negative
11	2nd Floor SW Room	Fiberglass Deck Insulation	53.1	170	Sq. Ft.	Negative
18	Exterior	Exterior Fiberboard	54	3,000	Sq. Ft.	Negative
<b>18</b>	<b>Exterior</b>	<b>Exterior Overhang Caulk</b>	<b>55</b>	<b>250</b>	<b>Ln. Ft.</b>	<b>Positive</b>
<b>18</b>	<b>Exterior</b>	<b>Exterior Window Caulk - Gray</b>	<b>56</b>	<b>330</b>	<b>Ln. Ft.</b>	<b>Positive</b>
18	Exterior	Exterior Door Caulk - White	57	20	Ln. Ft.	Negative
18	Exterior	Exterior Deck Cinderblock	58	300	Sq. Ft.	Negative
18	Exterior	Exterior Deck Cinderblock Mortar	59	300	Sq. Ft.	Negative
18	Exterior	Exterior Cinderblock	60	500	Sq. Ft.	Negative
18	Exterior	Exterior Cinderblock Mortar	61	500	Sq. Ft.	Negative
18	Exterior	Exterior Decorative Brick	62	800	Sq. Ft.	Negative
18	Exterior	Exterior Decorative Brick Mortar	63	800	Sq. Ft.	Negative
<b>18</b>	<b>Exterior</b>	<b>Exterior Siding Caulk</b>	<b>64</b>	<b>330</b>	<b>Ln. Ft.</b>	<b>Positive</b>
18	Exterior	Exterior Stone Sill	65	250	Sq. Ft.	Negative
18	Exterior	Exterior Vapor Barrier	66	100	Sq. Ft.	Negative
18	Exterior	Exterior Roof Shingle	67	875	Sq. Ft.	Negative
18	Exterior	Exterior Roof Shingle Barrier	68	875	Sq. Ft.	Negative
18	Exterior	Exterior Roof Shingle Barrier Mastic	69	875	Sq. Ft.	Negative
19	Garage Exterior	Exterior Garage Cinderblock	70	800	Sq. Ft.	Negative
19	Garage Exterior	Exterior Garage Cinderblock Mortar	71	800	Sq. Ft.	Negative
19	Garage Exterior	Exterior Garage Window Caulk - White	72	30	Ln. Ft.	*Trace
19	Garage Exterior	Exterior Garage Shingle	73	400	Sq. Ft.	Negative
19	Garage Exterior	Exterior Garage Shingle Barrier	74	400	Sq. Ft.	Negative
<b>14</b>	<b>Basement Vestibule/Stairway</b>	<b>12" x 12" Floor Tile - White/Black</b>	<b>75</b>	<b>35</b>	<b>Sq. Ft.</b>	<b>Positive</b>
<b>15</b>	<b>Basement</b>	<b>12" x 12" Floor Tile - White/Black</b>	<b>75</b>	<b>576</b>	<b>Sq. Ft.</b>	<b>Positive</b>
14	Basement Vestibule/Stairway	Mastic for 12" x 12" Floor Tile - White/Black	76	35	Sq. Ft.	Negative
15	Basement	Mastic for 12" x 12" Floor Tile - White/Black	76	576	Sq. Ft.	Negative
18	Exterior	Fire Brick	77	50	Sq. Ft.	Negative

**Warren Consolidated Schools**

3235 12 Mile Road  
List by Homogeneous Area

<b>FS#</b>	<b>FS Description</b>	<b>Homogeneous Area Description</b>	<b>HA#</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>
18	Exterior	Fire Brick Mortar	78	50	Sq. Ft.	Negative
4	Kitchen	Unknown Floor Material	79	225	Sq. Ft.	Negative
1	Main Entrance	Flooring Felt	80	143	Sq. Ft.	Negative
2	SW Room	Flooring Felt	80	120	Sq. Ft.	Negative
3	Dining Room	Flooring Felt	80	143	Sq. Ft.	Negative
4	Kitchen	Flooring Felt	80	225	Sq. Ft.	Negative
6	1st Floor Bedroom	Flooring Felt	80	190	Sq. Ft.	Negative
19	Garage Exterior	Rolled Roofing	81	125	Sq. Ft.	Negative
8	2nd Floor SE Room	Vinyl Sheeting - Red Flower Pattern (Top Layer)	82	176	Sq. Ft.	Negative
8	2nd Floor SE Room	Vinyl Sheeting - Red Flower Pattern (Bottom Layer)	83	176	Sq. Ft.	Negative
8	2nd Floor SE Room	Fiberglass Insulation - White	84	176	Sq. Ft.	Negative
11	2nd Floor SW Room	Vinyl Sheeting - Blue	85	176	Sq. Ft.	Negative
16	NE Basement Room	Ceiling Panel - White Core	86	20	Sq. Ft.	Negative
<b>15</b>	<b>Basement</b>	<b>Light Heat Shield - Gray</b>	<b>87</b>	<b>1</b>	<b>Total</b>	<b>Positive</b>
15	Basement	Ceiling Tile - White Core	88	30	Sq. Ft.	Negative
16	NE Basement Room	Ceiling Tile - White Core	88	20	Sq. Ft.	Negative
18	Exterior	Decorative Stone Caulk - Gray	89	20	Ln. Ft.	Negative
12	1st Floor/Basement Landing	Mastic for Stair Tread - Black w/White and Blue Dots	90	25	Sq. Ft.	Negative
14	Basement Vestibule/Stairway	Mastic for Stair Tread - Black w/White and Blue Dots	90	25	Sq. Ft.	Negative



**Warren Consolidated Schools  
3235 12 Mile Road**

**Section III  
Laboratory Results**

This section provides the bulk sample collection information and laboratory results for all samples analyzed.

The Bulk Sample Collection Sheet identifies sample ID, Homogeneous Area Description, Material Class, Location of Sample, Asbestos Detected, % Type of Asbestos and Non-Asbestos Material. Subsequent to these forms are the EMSL Analytical, Inc. Laboratory Results forms.

ACM Sample #	FS#	FS Description	Homogeneous Area Description	HA#	Sample Location	Asbestos Result
CI0010/HOU101- 001A	14	Basement Vestibule/Stairway	Vinyl Sheeting - Black w/White and Blue Dots	40	Center	4% Chrysotile
CI0010/HOU101- 001B	14	Basement Vestibule/Stairway	Mastic for Vinyl Sheeting - Black w/White and Blue Dots	41	Center	None Detected
CI0010/HOU101- 002	16	NE Basement Room	Window Glaze - Gray	53	On Window	6% Chrysotile
CI0010/HOU101- 003A	14	Basement Vestibule/Stairway	12" x 12" Floor Tile - White/Black	75	S Side	4% Chrysotile
CI0010/HOU101- 003B	14	Basement Vestibule/Stairway	Mastic for 12" x 12" Floor Tile - White/Black	76	S Side	None Detected
CI0010/HOU101- 003C	14	Basement Vestibule/Stairway	Unknown Floor Tile - Teal	42	S Side	9% Chrysotile
CI0010/HOU101- 003D	14	Basement Vestibule/Stairway	Mastic for Unknown Floor Tile - Teal	43	S Side	None Detected
CI0010/HOU101- 004	14	Basement Vestibule/Stairway	Fiberboard Wall	44	W Wall	None Detected
CI0010/HOU101- 005A	15	Basement	Unknown Floor Tile - Brown	45	Center	10% Chrysotile
CI0010/HOU101- 005B	15	Basement	Mastic for Unknown Floor Tile - Brown	46	Center	None Detected
CI0010/HOU101- 006	13	1st Floor/Basement Landing Restroom	Textured Wall	35	S Wall	None Detected
CI0010/HOU101- 007	12	1st Floor/Basement Landing	Stair Tread - Black w/White and Blue Dots	32	W Side	18% Chrysotile
CI0010/HOU101- 008A	3	Dining Room	4" Covebase - Black	11	E Wall	None Detected
CI0010/HOU101- 008B	3	Dining Room	Mastic for 4" Covebase - Black	12	E Wall	None Detected
CI0010/HOU101- 009	1	Main Entrance	Wooden Covebase Caulk - White	7	NE Corner	None Detected
CI0010/HOU101- 010	4	Kitchen	Light Heat Shield	17	On Light	None Detected
CI0010/HOU101- 011A	4	Kitchen	Vinyl Sheeting - Gray Wood	15	Center	None Detected
CI0010/HOU101- 011B	4	Kitchen	Mastic for Vinyl Sheeting - Gray Wood	16	Center	None Detected
CI0010/HOU101- 012	2	SW Room	Vent Caulk - White	13	N Wall	None Detected
CI0010/HOU101- 013	4	Kitchen	Door Caulk - White	14	On N Door	None Detected
CI0010/HOU101- 014	7	1st/2nd Floor Stairway	Stair Overhang Caulk - White	18	Center	None Detected
CI0010/HOU101- 015	10	2nd Floor North Room	Aluminum Fiberglass Insulation	23	Center	None Detected
CI0010/HOU101- 016	9	2nd Floor Center Room	Wooden Panel Caulk - White	22	E Wall	None Detected
CI0010/HOU101- 017	11	2nd Floor SW Room	Fiberglass Window Insulation	24	On Window	None Detected
CI0010/HOU101- 018	5	1st Floor Restroom	Ceramic Floor Caulk - White	29	N Wall	None Detected
CI0010/HOU101- 019	11	2nd Floor SW Room	Cinderblock	20	E Wall	None Detected
CI0010/HOU101- 020	11	2nd Floor SW Room	Cinderblock Mortar	21	E Wall	None Detected
CI0010/HOU101- 021	8	2nd Floor SE Room	Stone Windowsill - White	2	E Wall	None Detected
CI0010/HOU101- 022A	4	Kitchen	Smooth Plaster Wall - Finishcoat	3	S Wall	None Detected
CI0010/HOU101- 022B	4	Kitchen	Smooth Plaster Wall - Browncoat	4	S Wall	None Detected
CI0010/HOU101- 023A	12	1st Floor/Basement Landing	Smooth Plaster Wall - Finishcoat	3	E Wall	None Detected
CI0010/HOU101- 023B	12	1st Floor/Basement Landing	Smooth Plaster Wall - Browncoat	4	E Wall	None Detected
CI0010/HOU101- 024A	6	1st Floor Bedroom	Smooth Plaster Wall - Finishcoat	3	S Wall	None Detected
CI0010/HOU101- 024B	6	1st Floor Bedroom	Smooth Plaster Wall - Browncoat	4	S Wall	None Detected
CI0010/HOU101- 025	5	1st Floor Restroom	Bathtub Caulk - White	30	On Bathtub	None Detected
CI0010/HOU101- 026	5	1st Floor Restroom	Toilet Caulk - White	31	On Toilet	None Detected
CI0010/HOU101- 027	8	2nd Floor SE Room	Drywall	8	W Wall	None Detected
CI0010/HOU101- 028	8	2nd Floor SE Room	Drywall Mud	9	W Wall	None Detected
CI0010/HOU101- 029	8	2nd Floor SE Room	Drywall Tape	10	W Wall	None Detected
CI0010/HOU101- 030	11	2nd Floor SW Room	Carpet Lining - Black	19	Center	None Detected
CI0010/HOU101- 031	16	NE Basement Room	Concrete	1	Center	None Detected
CI0010/HOU101- 032	11	2nd Floor SW Room	Fiberglass Deck Insulation	53.1	Center	None Detected
CI0010/HOU101- 033A	13	1st Floor/Basement Landing Restroom	Ceramic for Ceramic Wall 1	27	S Wall	None Detected
CI0010/HOU101- 033B	13	1st Floor/Basement Landing Restroom	Grout for Ceramic Wall 1	28	S Wall	None Detected

ACM Sample #	FS#	FS Description	Homogeneous Area Description	HA#	Sample Location	Asbestos Result
CI0010/HOU101- 034	13	1st Floor/Basement Landing Restroom	Sink Caulk - White	36	On Sink	None Detected
CI0010/HOU101- 035A	2	SW Room	Smooth Plaster Ceiling - Finishcoat	5	NE Side	None Detected
CI0010/HOU101- 035B	2	SW Room	Smooth Plaster Ceiling - Browncoat	6	NE Side	None Detected
CI0010/HOU101- 036A	5	1st Floor Restroom	Smooth Plaster Ceiling - Finishcoat	5	E Side	None Detected
CI0010/HOU101- 036B	5	1st Floor Restroom	Smooth Plaster Ceiling - Browncoat	6	E Side	None Detected
CI0010/HOU101- 037A	12	1st Floor/Basement Landing	Smooth Plaster Ceiling - Finishcoat	5	E Side	None Detected
CI0010/HOU101- 037B	12	1st Floor/Basement Landing	Smooth Plaster Ceiling - Browncoat	6	E Side	None Detected
CI0010/HOU101- 038A	5	1st Floor Restroom	Ceramic for Ceramic Floor 1	25	S Side	None Detected
CI0010/HOU101- 038B	5	1st Floor Restroom	Grout for Ceramic Floor 1	26	S Side	None Detected
CI0010/HOU101- 039	15	Basement	Sink Undercoating - Gray	49	On Sink	None Detected
CI0010/HOU101- 040A	15	Basement	Ceramic for Ceramic Wall - 3	51	E Wall	None Detected
CI0010/HOU101- 040B	15	Basement	Grout for Ceramic Wall - 3	52	E Wall	None Detected
CI0010/HOU101- 041	15	Basement	Backsplash Caulk	50	E Wall	None Detected
CI0010/HOU101- 042A	14	Basement Vestibule/Stairway	Ceramic for Ceramic Wall 2	37	N Wall	None Detected
CI0010/HOU101- 042B	14	Basement Vestibule/Stairway	Grout for Ceramic Wall 2	38	N Wall	None Detected
CI0010/HOU101- 043	14	Basement Vestibule/Stairway	1' x 1' Ceiling Tile - Textured	39	Center	None Detected
CI0010/HOU101- 044	16	NE Basement Room	1' x 1' Ceiling Tile - Random Dots	48	S Side	None Detected
CI0010/HOU101- 045A	13	1st Floor/Basement Landing Restroom	Ceramic for Ceramic Floor 2	33	S Side	None Detected
CI0010/HOU101- 045B	13	1st Floor/Basement Landing Restroom	Grout for Ceramic Floor 2	34	S Side	None Detected
CI0010/HOU101- 046	15	Basement	Ceramic Countertop	47	E Wall	None Detected
CI0010/HOU101- 047	18	Exterior	Exterior Vapor Barrier	66	o/s Main Entrance	None Detected
<b>CI0010/HOU101- 048</b>	<b>18</b>	<b>Exterior</b>	<b>Exterior Siding Caulk</b>	<b>64</b>	<b>o/s FS#4</b>	<b>4% Chrysotile</b>
<b>CI0010/HOU101- 049</b>	<b>18</b>	<b>Exterior</b>	<b>Exterior Overhang Caulk</b>	<b>55</b>	<b>o/s Main Entrance</b>	<b>6% Chrysotile</b>
CI0010/HOU101- 050	18	Exterior	Exterior Cinderblock	60	o/s FS#1	None Detected
CI0010/HOU101- 051	18	Exterior	Exterior Cinderblock Mortar	61	o/s FS#1	None Detected
<b>CI0010/HOU101- 052</b>	<b>18</b>	<b>Exterior</b>	<b>Exterior Window Caulk - Gray</b>	<b>56</b>	<b>o/s Main Entrance</b>	<b>7% Chrysotile</b>
CI0010/HOU101- 053	18	Exterior	Exterior Deck Cinderblock	58	SE Side of Building	None Detected
CI0010/HOU101- 054	18	Exterior	Exterior Deck Cinderblock Mortar	59	SE Side of Building	None Detected
CI0010/HOU101- 055	18	Exterior	Exterior Fiberboard	54	o/s FS#1	None Detected
CI0010/HOU101- 055	18	Exterior	Exterior Fiberboard Mastic	54.1	o/s FS#1	None Detected
CI0010/HOU101- 056	18	Exterior	Exterior Door Caulk - White	57	o/s Main Entrance	None Detected
CI0010/HOU101- 057	18	Exterior	Exterior Stone Sill	65	o/s FS#2	None Detected
CI0010/HOU101- 058	18	Exterior	Exterior Decorative Brick	62	o/s FS#1	None Detected
CI0010/HOU101- 059	18	Exterior	Exterior Decorative Brick Mortar	63	o/s FS#1	None Detected
CI0010/HOU101- 060	18	Exterior	Exterior Roof Shingle	67	Roof	None Detected
CI0010/HOU101- 061	18	Exterior	Exterior Roof Shingle Barrier	68	Roof	None Detected
CI0010/HOU101- 062	18	Exterior	Exterior Roof Shingle Barrier Mastic	69	Roof	None Detected
CI0010/HOU101- 063	19	Garage Exterior	Exterior Garage Cinderblock	70	E Wall	None Detected
CI0010/HOU101- 064	19	Garage Exterior	Exterior Garage Cinderblock Mortar	71	E Wall	None Detected
CI0010/HOU101- 065	19	Garage Exterior	Exterior Garage Window Caulk - White	72	E Wall	< 1% Chrysotile Point Count 0.50%
CI0010/HOU101- 066	19	Garage Exterior	Exterior Garage Shingle	73	Garage Roof	None Detected
CI0010/HOU101- 067	19	Garage Exterior	Exterior Garage Shingle Barrier	74	Garage Roof	None Detected
CI0010/HOU101- 068A	18	Exterior	Exterior Fiberboard	54	o/s FS#4	None Detected



ACM Sample #	FS#	FS Description	Homogeneous Area Description	HA#	Sample Location	Asbestos Result
CI0010/HOU101- 068B	18	Exterior	Exterior Fiberboard Mastic	54.1	o/s FS#4	None Detected
CI0010/HOU101- 069	18	Exterior	Fire Brick	77	Fire Pit	None Detected
CI0010/HOU101- 070	18	Exterior	Fire Brick Mortar	78	Fire Pit	None Detected
CI0010/HOU101- 071	4	Kitchen	Unknown Floor Material	79	E Wall	None Detected
CI0010/HOU101- 072	6	1st Floor Bedroom	Flooring Felt	80	E Wall	None Detected
CI0010/HOU101- 073	19	Garage Exterior	Rolled Roofing	81	N Gable	None Detected
CI0010/HOU101- 074	8	2nd Floor SE Room	Vinyl Sheeting - Red Flower Pattern (Top Layer)	82	SE Corner	None Detected
CI0010/HOU101- 075	8	2nd Floor SE Room	Vinyl Sheeting - Red Flower Pattern (Bottom Layer)	83	SE Corner	None Detected
CI0010/HOU101- 076	8	2nd Floor SE Room	Fiberglass Insulation - White	84	SE Corner	None Detected
CI0010/HOU101- 077	11	2nd Floor SW Room	Vinyl Sheeting - Blue	85	W Wall	None Detected
CI0010/HOU101- 078	16	NE Basement Room	Ceiling Panel - White Core	86	NW Corner	None Detected
<b>CI0010/HOU101- 079</b>	<b>15</b>	<b>Basement</b>	<b>Light Heat Shield - Gray</b>	<b>87</b>	<b>At Light</b>	<b>40% Chrysotile</b>
CI0010/HOU101- 080	15	Basement	Ceiling Tile - White Core	88	NW Corner	None Detected
CI0010/HOU101- 081	18	Exterior	Decorative Stone Caulk - Gray	89	Porch	None Detected
CI0010/HOU101- 082	14	Basement Vestibule/Stairway	Mastic for Stair Tread - Black w/White and Blue Dots	90	W Side	None Detected
CI0010/HOU101- 083	12	1st Floor/Basement Landing	Mastic for Vinyl Sheeting - Black w/White and Blue Dots	41	Center	None Detected



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EMSL Order: 082301863

Customer ID: NOVA53

Customer PO:

Project ID:

**Attention:** Adam Amin  
Nova Environmental, Inc  
5300 Plymouth Rd  
Ann Arbor, MI 48105

**Phone:** (313) 363-5565

**Fax:** (734) 930-2969

**Received Date:** 08/18/2023 3:35 PM

**Analysis Date:** 08/22/2023

**Collected Date:**

**Project:** CI0010/HOU101/WCS/3235 12 Mile Road

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CI0010/HOU101-001A <small>082301863-0001</small>	Vinyl	White/Black Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
CI0010/HOU101-001B <small>082301863-0002</small>	M	Black Non-Fibrous Homogeneous	<1% Cellulose	<1% Quartz 100% Non-fibrous (Other)	None Detected
CI0010/HOU101-002 <small>082301863-0003</small>		Gray Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
CI0010/HOU101-003A <small>082301863-0004</small>	Floor Tile A	White/Black Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
CI0010/HOU101-003B <small>082301863-0004A</small>	Mastic A	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
CI0010/HOU101-003C <small>082301863-0004B</small>	Floor Tile B	Green Non-Fibrous Homogeneous		91% Non-fibrous (Other)	9% Chrysotile
CI0010/HOU101-003D <small>082301863-0004C</small>	Mastic B	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
CI0010/HOU101-004 <small>082301863-0006</small>		Brown/White Non-Fibrous Heterogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
CI0010/HOU101-005A <small>082301863-0007</small>	FT	Brown Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
CI0010/HOU101-005B <small>082301863-0008</small>	M	Black Non-Fibrous Homogeneous	<1% Cellulose	<1% Quartz 100% Non-fibrous (Other)	None Detected
CI0010/HOU101-006 <small>082301863-0009</small>		White/Clear Fibrous Heterogeneous	55% Glass	45% Non-fibrous (Other)	None Detected
CI0010/HOU101-007 <small>082301863-0010</small>		Gray/Various/Black Fibrous Heterogeneous	20% Cellulose	62% Non-fibrous (Other)	18% Chrysotile
CI0010/HOU101-008A <small>082301863-0011</small>	Covebase	Black/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/HOU101-008B <small>082301863-0012</small>	M	Brown Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
CI0010/HOU101-009 <small>082301863-0013</small>		White/Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
CI0010/HOU101-010 <small>082301863-0014A</small>		White/Silver Fibrous Heterogeneous	90% Glass	10% Non-fibrous (Other)	None Detected

Initial report from: 08/22/2023 16:45:02



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**EMSL Order:** 082301863  
**Customer ID:** NOVA53  
**Customer PO:**  
**Project ID:**

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CI0010/HOU101-011A <i>082301863-0015</i>	Vinyl	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/HOU101-011B <i>082301863-0016</i>	M	Clear Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
CI0010/HOU101-012 <i>082301863-0017</i>		White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
CI0010/HOU101-013 <i>082301863-0018</i>		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/HOU101-014 <i>082301863-0019</i> <i>Inseparable paint / coating layer included in analysis</i>		Gray/White Non-Fibrous Heterogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
CI0010/HOU101-015A <i>082301863-0020</i> <i>Inseparable layers.</i>	Wrap	Brown/Black Fibrous Heterogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
CI0010/HOU101-015B <i>082301863-0020A</i>	Insulation	Yellow Fibrous Homogeneous	<1% Cellulose 98% Min. Wool	2% Non-fibrous (Other)	None Detected
CI0010/HOU101-016 <i>082301863-0021</i>		White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
CI0010/HOU101-017 <i>082301863-0022</i>		White Non-Fibrous Homogeneous	<1% Cellulose 98% Min. Wool	2% Non-fibrous (Other)	None Detected
CI0010/HOU101-018 <i>082301863-0023</i>		Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/HOU101-019 <i>082301863-0024</i>		Gray Non-Fibrous Homogeneous	<1% Cellulose	6% Quartz 94% Non-fibrous (Other)	None Detected
CI0010/HOU101-020 <i>082301863-0025</i>		Gray Non-Fibrous Homogeneous	<1% Cellulose	7% Quartz 93% Non-fibrous (Other)	None Detected
CI0010/HOU101-021 <i>082301863-0026</i>		White/Black Non-Fibrous Homogeneous	<1% Cellulose	2% Quartz 98% Non-fibrous (Other)	None Detected
CI0010/HOU101-022A <i>082301863-0027</i>	FC	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/HOU101-022B <i>082301863-0028</i>	BC	Gray Non-Fibrous Homogeneous	<1% Cellulose	<1% Quartz 100% Non-fibrous (Other)	None Detected
CI0010/HOU101-023A <i>082301863-0029</i>	FC	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/HOU101-023B <i>082301863-0030</i>	BC	Gray Non-Fibrous Homogeneous	<1% Cellulose	<1% Quartz 100% Non-fibrous (Other)	None Detected
CI0010/HOU101-024A <i>082301863-0031</i>	FC	White Non-Fibrous Homogeneous		<1% Quartz 100% Non-fibrous (Other)	None Detected

Initial report from: 08/22/2023 16:45:02



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EMSL Order: 082301863

Customer ID: NOVA53

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CI0010/HOU101-024B <i>082301863-0032</i>	BC	Gray Non-Fibrous Homogeneous	<1% Cellulose	8% Quartz 92% Non-fibrous (Other)	None Detected
CI0010/HOU101-025 <i>082301863-0033</i>		White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
CI0010/HOU101-026 <i>082301863-0034</i>		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/HOU101-027 <i>082301863-0035</i>		Brown/Gray Fibrous Heterogeneous	8% Cellulose	92% Non-fibrous (Other)	None Detected
CI0010/HOU101-028 <i>082301863-0036</i>		Brown/Gray Fibrous Heterogeneous	8% Cellulose	<1% Quartz 92% Non-fibrous (Other)	None Detected
CI0010/HOU101-029 <i>082301863-0037</i>		Brown/Gray Fibrous Heterogeneous	9% Cellulose	<1% Quartz 91% Non-fibrous (Other)	None Detected
CI0010/HOU101-030 <i>082301863-0038</i>		Brown/Beige Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
CI0010/HOU101-031 <i>082301863-0039</i> <i>Inseparable paint / coating layer included in analysis</i>		Gray/Black Non-Fibrous Heterogeneous	<1% Cellulose	8% Quartz 92% Non-fibrous (Other)	None Detected
CI0010/HOU101-032A <i>082301863-0040</i>	Wrap	Black Non-Fibrous Homogeneous	16% Cellulose <1% Glass	84% Non-fibrous (Other)	None Detected
CI0010/HOU101-032B <i>082301863-0040A</i>	Insulation	Yellow Fibrous Homogeneous	98% Glass	2% Non-fibrous (Other)	None Detected
CI0010/HOU101-033A <i>082301863-0041</i>	Ceramic	Tan/Beige Non-Fibrous Homogeneous		4% Quartz 96% Non-fibrous (Other)	None Detected
CI0010/HOU101-033B <i>082301863-0042</i>	Grout	White Non-Fibrous Homogeneous		<1% Quartz 100% Non-fibrous (Other)	None Detected
CI0010/HOU101-034A <i>082301863-0043</i>	Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/HOU101-034B <i>082301863-0043A</i>	Ceramic Tile	Beige Non-Fibrous Homogeneous		4% Quartz 96% Non-fibrous (Other)	None Detected
CI0010/HOU101-034C <i>082301863-0043B</i>	Grout	White Non-Fibrous Homogeneous		<1% Quartz 100% Non-fibrous (Other)	None Detected
CI0010/HOU101-035A <i>082301863-0044</i>	FC	White Non-Fibrous Homogeneous		<1% Quartz 100% Non-fibrous (Other)	None Detected
CI0010/HOU101-035B <i>082301863-0045</i>	BC	Gray Non-Fibrous Homogeneous	<1% Cellulose	9% Quartz 91% Non-fibrous (Other)	None Detected
CI0010/HOU101-036A <i>082301863-0046</i>	FC	White Non-Fibrous Homogeneous		<1% Quartz 100% Non-fibrous (Other)	None Detected

Initial report from: 08/22/2023 16:45:02



# EMSL Analytical, Inc.

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**EMSL Order:** 082301863  
**Customer ID:** NOVA53  
**Customer PO:**  
**Project ID:**

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CI0010/HOU101-036B <small>082301863-0047</small>	BC	Gray Non-Fibrous Homogeneous	<1% Cellulose	8% Quartz 92% Non-fibrous (Other)	None Detected
CI0010/HOU101-037A <small>082301863-0048</small>	FC	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/HOU101-037B <small>082301863-0049</small>	BC	Gray Non-Fibrous Homogeneous	<1% Cellulose	<1% Quartz 100% Non-fibrous (Other)	None Detected
CI0010/HOU101-038A <small>082301863-0050</small>	Ceramic	White/Black Non-Fibrous Homogeneous		2% Quartz 98% Non-fibrous (Other)	None Detected
CI0010/HOU101-038B <small>082301863-0051</small>	Grout	Gray Non-Fibrous Homogeneous		2% Quartz 98% Non-fibrous (Other)	None Detected
CI0010/HOU101-039 <small>082301863-0052</small>		Gray/White Non-Fibrous Heterogeneous	<1% Cellulose	<1% Quartz 100% Non-fibrous (Other)	None Detected
CI0010/HOU101-040A <small>082301863-0053</small>	Ceramic	Gray/Blue Non-Fibrous Homogeneous		2% Quartz 98% Non-fibrous (Other)	None Detected
CI0010/HOU101-040B <small>082301863-0054</small>	Grout	White Non-Fibrous Homogeneous		<1% Quartz 100% Non-fibrous (Other)	None Detected
CI0010/HOU101-040C <small>082301863-0054A</small>	Mesh	White Fibrous Homogeneous	97% Cellulose	3% Non-fibrous (Other)	None Detected
CI0010/HOU101-040D <small>082301863-0054B</small>	Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/HOU101-041A <small>082301863-0055</small>	Caulk	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/HOU101-041B <small>082301863-0055A</small>	Ceramic Tile	White Non-Fibrous Homogeneous		3% Quartz 97% Non-fibrous (Other)	None Detected
CI0010/HOU101-042A <small>082301863-0056</small>	Ceramic	White/Blue Non-Fibrous Homogeneous		2% Quartz 98% Non-fibrous (Other)	None Detected
CI0010/HOU101-042B <small>082301863-0057</small>	Grout	Tan/White Non-Fibrous Heterogeneous		<1% Quartz 100% Non-fibrous (Other)	None Detected
CI0010/HOU101-042C <small>082301863-0057A</small>	Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/HOU101-043 <small>082301863-0058</small>		Brown/White Fibrous Heterogeneous	94% Cellulose	6% Non-fibrous (Other)	None Detected
CI0010/HOU101-044 <small>082301863-0059</small>		Brown/Black Fibrous Heterogeneous	96% Cellulose	4% Non-fibrous (Other)	None Detected
CI0010/HOU101-045A <small>082301863-0060</small>	Ceramic	Tan Non-Fibrous Homogeneous		2% Quartz 98% Non-fibrous (Other)	None Detected
CI0010/HOU101-045B <small>082301863-0061</small>	Grout	Gray Non-Fibrous Homogeneous		4% Quartz 96% Non-fibrous (Other)	None Detected

Initial report from: 08/22/2023 16:45:02



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**EMSL Order:** 082301863  
**Customer ID:** NOVA53  
**Customer PO:**  
**Project ID:**

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CI0010/HOU101-045C <small>082301863-0061A</small>	Ceramic Tile B	White Non-Fibrous Homogeneous		3% Quartz 97% Non-fibrous (Other)	None Detected
CI0010/HOU101-046A <small>082301863-0062</small>	Ceramic Tile	Red/Black Non-Fibrous Heterogeneous		2% Quartz 98% Non-fibrous (Other)	None Detected
CI0010/HOU101-046B <small>082301863-0062A</small>	Bedding	White Non-Fibrous Homogeneous		<1% Quartz 100% Non-fibrous (Other)	None Detected
CI0010/HOU101-047 <small>082301863-0063</small>		Black Non-Fibrous Homogeneous	18% Cellulose	82% Non-fibrous (Other)	None Detected
CI0010/HOU101-048 <small>082301863-0064</small>		Gray/Tan Non-Fibrous Heterogeneous		96% Non-fibrous (Other)	4% Chrysotile
CI0010/HOU101-049 <small>082301863-0065</small>		Gray/Tan/Black Non-Fibrous Heterogeneous		94% Non-fibrous (Other)	6% Chrysotile
CI0010/HOU101-050 <small>082301863-0066</small>		Gray Non-Fibrous Homogeneous	<1% Cellulose	8% Quartz 92% Non-fibrous (Other)	None Detected
CI0010/HOU101-051 <small>082301863-0067</small>		Gray Non-Fibrous Homogeneous	<1% Cellulose	9% Quartz 91% Non-fibrous (Other)	None Detected
CI0010/HOU101-052 <small>082301863-0068</small>		Gray/Tan Non-Fibrous Homogeneous		93% Non-fibrous (Other)	7% Chrysotile
CI0010/HOU101-053 <small>082301863-0069</small>		Gray Non-Fibrous Homogeneous		<1% Quartz 100% Non-fibrous (Other)	None Detected
CI0010/HOU101-054 <small>082301863-0070</small>		Gray Non-Fibrous Homogeneous	<1% Cellulose	8% Quartz 92% Non-fibrous (Other)	None Detected
CI0010/HOU101-055A <small>082301863-0071</small>	Fiberboard	Brown/Tan Fibrous Homogeneous	96% Cellulose	4% Non-fibrous (Other)	None Detected
CI0010/HOU101-055B <small>082301863-0072</small>	Mastic	Black Non-Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (Other)	None Detected
CI0010/HOU101-056 <small>082301863-0073</small>		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/HOU101-057 <small>082301863-0074</small>		Gray Non-Fibrous Homogeneous		8% Quartz 92% Non-fibrous (Other)	None Detected
CI0010/HOU101-058A <small>082301863-0075</small>	Ceramic Tile	Gray/Tan Non-Fibrous Homogeneous		5% Quartz 95% Non-fibrous (Other)	None Detected
CI0010/HOU101-058B <small>082301863-0075A</small>	Grout	Tan Non-Fibrous Homogeneous	<1% Cellulose	2% Quartz 98% Non-fibrous (Other)	None Detected
CI0010/HOU101-059 <small>082301863-0076</small>		Gray Non-Fibrous Homogeneous	<1% Cellulose	8% Quartz 92% Non-fibrous (Other)	None Detected
CI0010/HOU101-060 <small>082301863-0077</small>		Gray/Black Fibrous Heterogeneous	11% Glass	89% Non-fibrous (Other)	None Detected

Initial report from: 08/22/2023 16:45:02



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**EMSL Order:** 082301863  
**Customer ID:** NOVA53  
**Customer PO:**  
**Project ID:**

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CI0010/HOU101-061 <i>082301863-0078</i>		Black Fibrous Homogeneous	5% Cellulose 8% Glass	87% Non-fibrous (Other)	None Detected
CI0010/HOU101-062 <i>082301863-0079</i>		Black Non-Fibrous Homogeneous	7% Cellulose	93% Non-fibrous (Other)	None Detected
CI0010/HOU101-063 <i>082301863-0080</i>		Gray Non-Fibrous Homogeneous	<1% Cellulose	8% Quartz 92% Non-fibrous (Other)	None Detected
CI0010/HOU101-064 <i>082301863-0081</i>		Gray Non-Fibrous Homogeneous		8% Quartz 92% Non-fibrous (Other)	None Detected
CI0010/HOU101-065 <i>082301863-0082</i>		Gray/White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	<1% Chrysotile
CI0010/HOU101-066 <i>082301863-0083</i>		Gray/Black Fibrous Heterogeneous	9% Glass	91% Non-fibrous (Other)	None Detected
CI0010/HOU101-067 <i>082301863-0084</i>		Black Fibrous Homogeneous	6% Cellulose 12% Glass	82% Non-fibrous (Other)	None Detected
CI0010/HOU101-068A <i>082301863-0085</i>	Fiberboard	Brown Fibrous Homogeneous	97% Cellulose	3% Non-fibrous (Other)	None Detected
CI0010/HOU101-068B <i>082301863-0086</i>	M				Not Submitted

Analyst(s)

Ashton Bullock (41)

Madeline Ryan (58)

Richard Harding, Laboratory Manager  
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Plymouth, MI NVLAP Lab Code 101048-4

Initial report from: 08/22/2023 16:45:02



# EMSL Analytical, Inc.

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Phone/Fax: (734) 668-6810 / (734) 668-8532

<http://www.EMSL.com> / [annarborlab@emsl.com](mailto:annarborlab@emsl.com)

<b>EMSL Order:</b> 082301863
<b>Customer ID:</b> NOVA53
<b>Customer PO:</b>
<b>Project ID:</b>

<b>Attention:</b> Adam Amin Nova Environmental, Inc 5300 Plymouth Rd Ann Arbor, MI 48105	<b>Phone:</b> (313) 363-5565 <b>Fax:</b> (734) 930-2969 <b>Received:</b> 08/18/2023 3:35 PM <b>Analysis Date:</b> 08/22/2023 <b>Collected:</b>
<b>Project:</b> CI0010/HOU101/WCS/3235 12 Mile Road	

**Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E  
Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy.  
Quantitation using 400 Point Count Procedure**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CI0010/HOU101-065 082301863-0082		Gray/White Non-Fibrous Homogeneous		99.50% Non-fibrous (Other)	0.50% Chrysotile

Analyst(s)

Madeline Ryan (1)

Richard Harding, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Plymouth, MI NVLAP Lab Code 101048-4

Initial report from: 08/22/2023 16:45:02





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EMSL Order: 082301885

Customer ID: NOVA53

Customer PO:

Project ID:

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5300 Plymouth Rd  
Ann Arbor, MI 48105

**Phone:** (313) 363-5565

**Fax:** (734) 930-2969

**Received Date:** 08/23/2023 12:05 PM

**Analysis Date:** 08/24/2023

**Collected Date:**

**Project:** CI0010/HOU101/Warren Consolidated Schools/3235 12 Mile Rd

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CI0010/HOU101-068B	Mastic Only	Black Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
082301885-0001					

Analyst(s)

Ashton Bullock (1)

Richard Harding, Laboratory Manager  
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Plymouth, MI NVLAP Lab Code 101048-4

Initial report from: 08/24/2023 11:51:15



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EMSL Order: 082301912

Customer ID: NOVA53

Customer PO:

Project ID:

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Ann Arbor, MI 48105

**Phone:** (313) 363-5565

**Fax:** (734) 930-2969

**Received Date:** 08/25/2023 12:10 PM

**Analysis Date:** 08/28/2023

**Collected Date:**

**Project:** CI0010/HOU101/Warren Consolidated Schools/3235 12 Mil Rd

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CI0010/HOU101-069 <small>082301912-0001</small>		Red Non-Fibrous Homogeneous	<1% Cellulose	7% Quartz 93% Non-fibrous (Other)	None Detected
CI0010/HOU101-070 <small>082301912-0002</small>		Gray Non-Fibrous Homogeneous	<1% Cellulose	8% Quartz 92% Non-fibrous (Other)	None Detected
CI0010/HOU101-071A <small>082301912-0003</small>	Tar Paper	Black Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
CI0010/HOU101-071B <small>082301912-0003A</small>	Paper	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
CI0010/HOU101-072 <small>082301912-0004</small>		Black Fibrous Homogeneous	92% Cellulose	8% Non-fibrous (Other)	None Detected
CI0010/HOU101-073 <small>082301912-0005</small>		White/Black Fibrous Heterogeneous	8% Cellulose	92% Non-fibrous (Other)	None Detected
CI0010/HOU101-074 <small>082301912-0006</small>		Black Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
CI0010/HOU101-075 <small>082301912-0007</small>		Black Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
CI0010/HOU101-076 <small>082301912-0008</small>		White Fibrous Homogeneous	10% Cellulose 87% Min. Wool	3% Non-fibrous (Other)	None Detected
CI0010/HOU101-077 <small>082301912-0009</small>		Black Fibrous Heterogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
CI0010/HOU101-078 <small>082301912-0010</small>		White/Black Fibrous Heterogeneous	40% Cellulose 30% Min. Wool	20% Perlite 10% Non-fibrous (Other)	None Detected
CI0010/HOU101-079 <small>082301912-0011</small>		Gray/Silver Fibrous Heterogeneous	40% Cellulose	20% Non-fibrous (Other)	40% Chrysotile
CI0010/HOU101-080 <small>082301912-0012</small>		White/Black Fibrous Heterogeneous	30% Cellulose 30% Min. Wool	30% Perlite 10% Non-fibrous (Other)	None Detected

Initial report from: 08/28/2023 11:59:03



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**EMSL Order:** 082301912

**Customer ID:** NOVA53

**Customer PO:**

**Project ID:**

Analyst(s)

Kassandra Maraz (13)

Richard Harding, Laboratory Manager  
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Plymouth, MI NVLAP Lab Code 101048-4

Initial report from: 08/28/2023 11:59:03



# EMSL Analytical, Inc.

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EMSL Order: 082301943

Customer ID: NOVA53

Customer PO:

Project ID:

**Attention:** Adam Amin  
Nova Environmental, Inc  
5300 Plymouth Rd  
Ann Arbor, MI 48105

**Phone:** (313) 363-5565

**Fax:** (734) 930-2969

**Received Date:** 08/30/2023 2:20 PM

**Analysis Date:** 08/31/2023

**Collected Date:**

**Project:** CI0010/HOU101/Warren Consolidated Schools/3235 12 Mi Rd

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CI0010/HOU101-081 <small>082301943-0001</small>		Gray Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
CI0010/HOU101-082 <small>082301943-0002</small>	Mastic Only	Brown Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
CI0010/HOU101-083 <small>082301943-0003</small>	Mastic Only	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected

Analyst(s)

Kassandra Maraz (3)

Richard Harding, Laboratory Manager  
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Plymouth, MI NVLAP Lab Code 101048-4

Initial report from: 08/31/2023 14:14:42



**Warren Consolidated Schools  
3235 12 Mile Road**

**Section IV  
Facility Information/Diagram**

This section includes information provided by Warren Consolidated Schools on this facility. Specifically, this information contains the following:

- Functional Space Listing
- Diagram of 3235 12 Mile Road

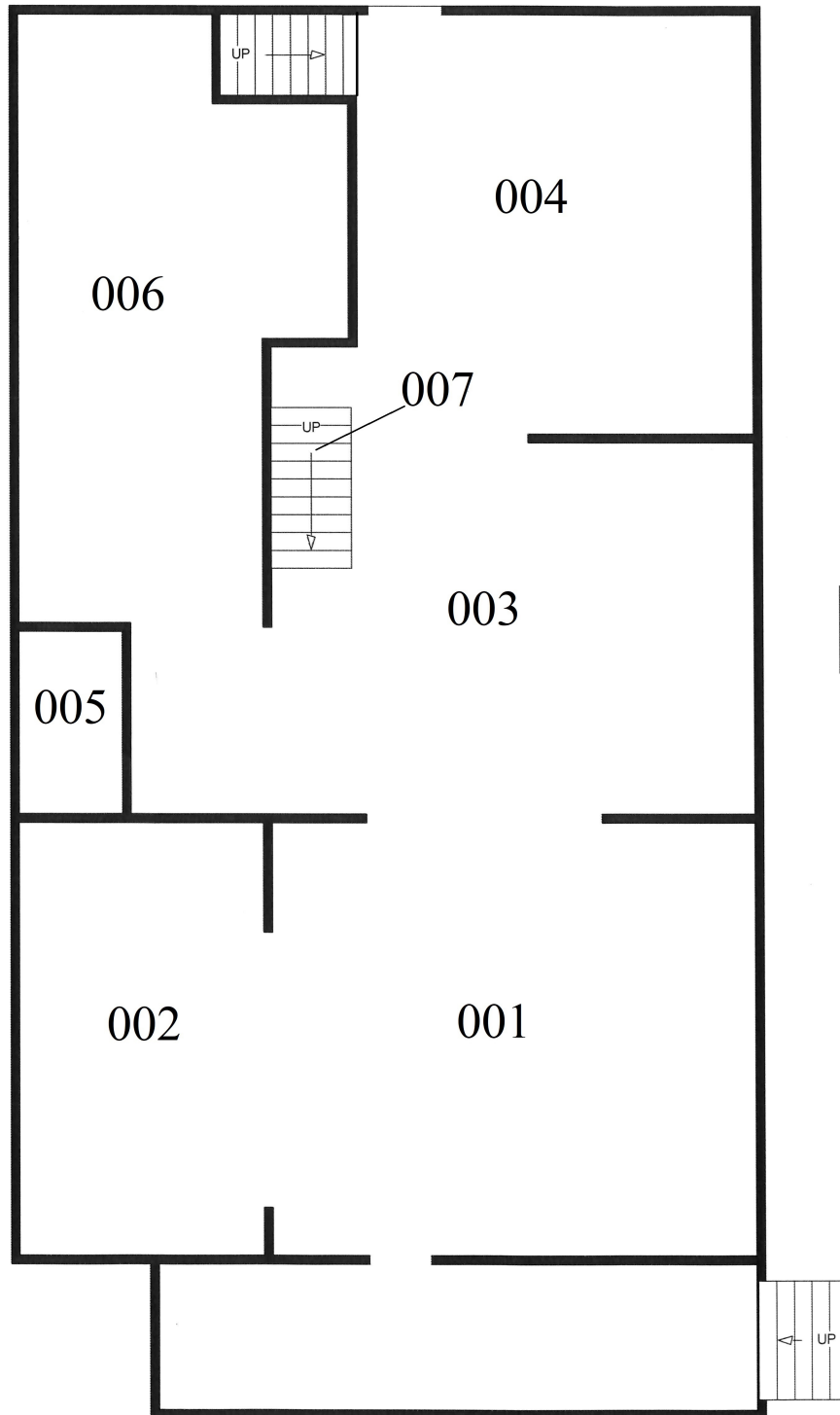
**Warren Consolidated Schools**3235 12 Mile Road  
Functional Space Listing

<b>FS#</b>	<b>FS Description</b>
1	Main Entrance
2	SW Room
3	Dining Room
4	Kitchen
5	1st Floor Restroom
6	1st Floor Bedroom
7	1st/2nd Floor Stairway
8	2nd Floor SE Room
9	2nd Floor Center Room
10	2nd Floor North Room
11	2nd Floor SW Room
12	1st Floor/Basement Landing
13	1st Floor/Basement Landing Restroom
14	Basement Vestibule/Stairway
15	Basement
16	NE Basement Room
17	NW Basement Room
18	Exterior
19	Garage Exterior

WARREN CONSOLIDATED SCHOOLS

3235 E. 12 MILE RD

1ST FLOOR - FLOOR PLAN

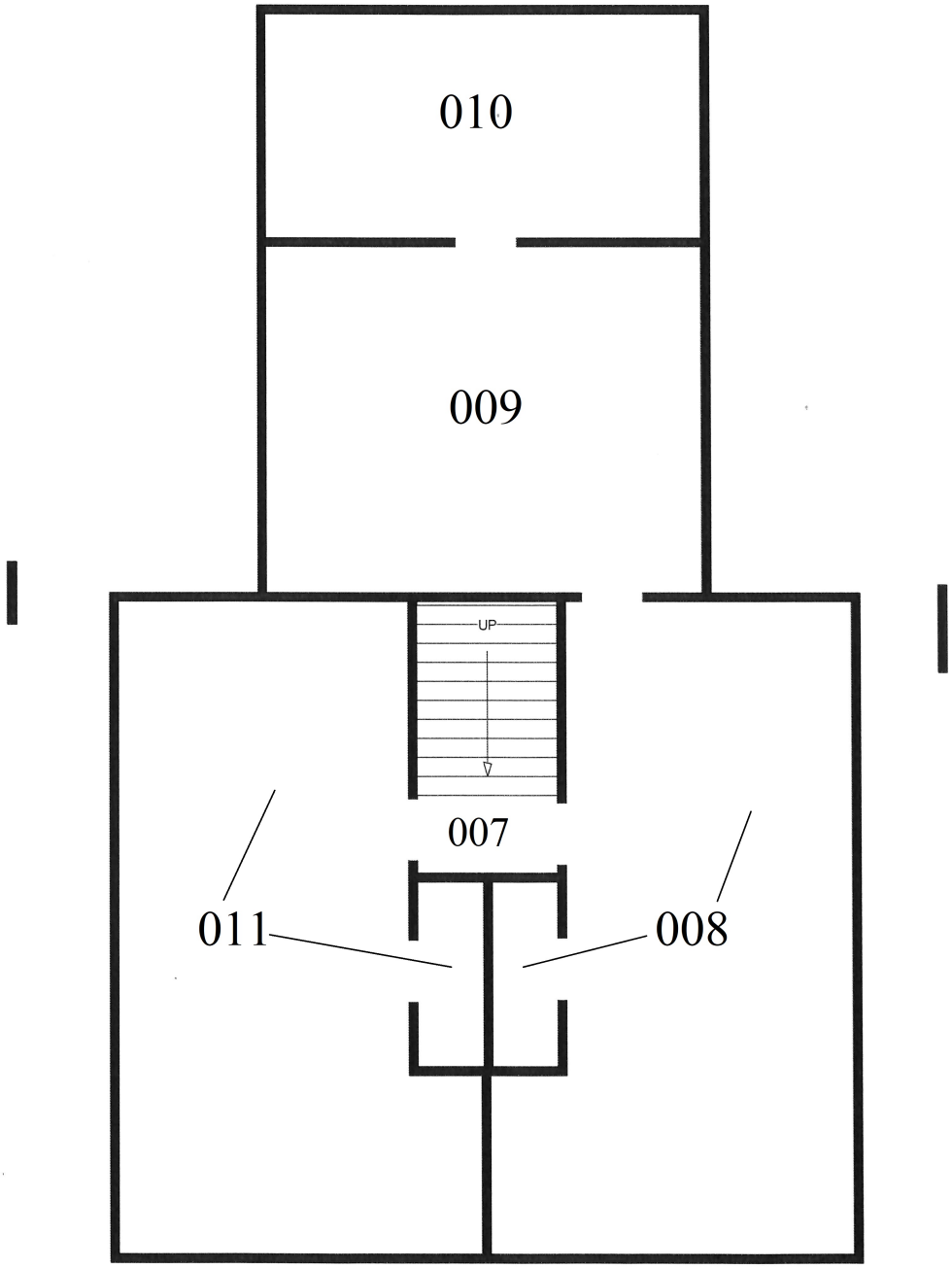


Exterior - 18

WARREN CONSOLIDATED SCHOOLS

3235 E. 12 MILE RD

2ND FLOOR - FLOOR PLAN

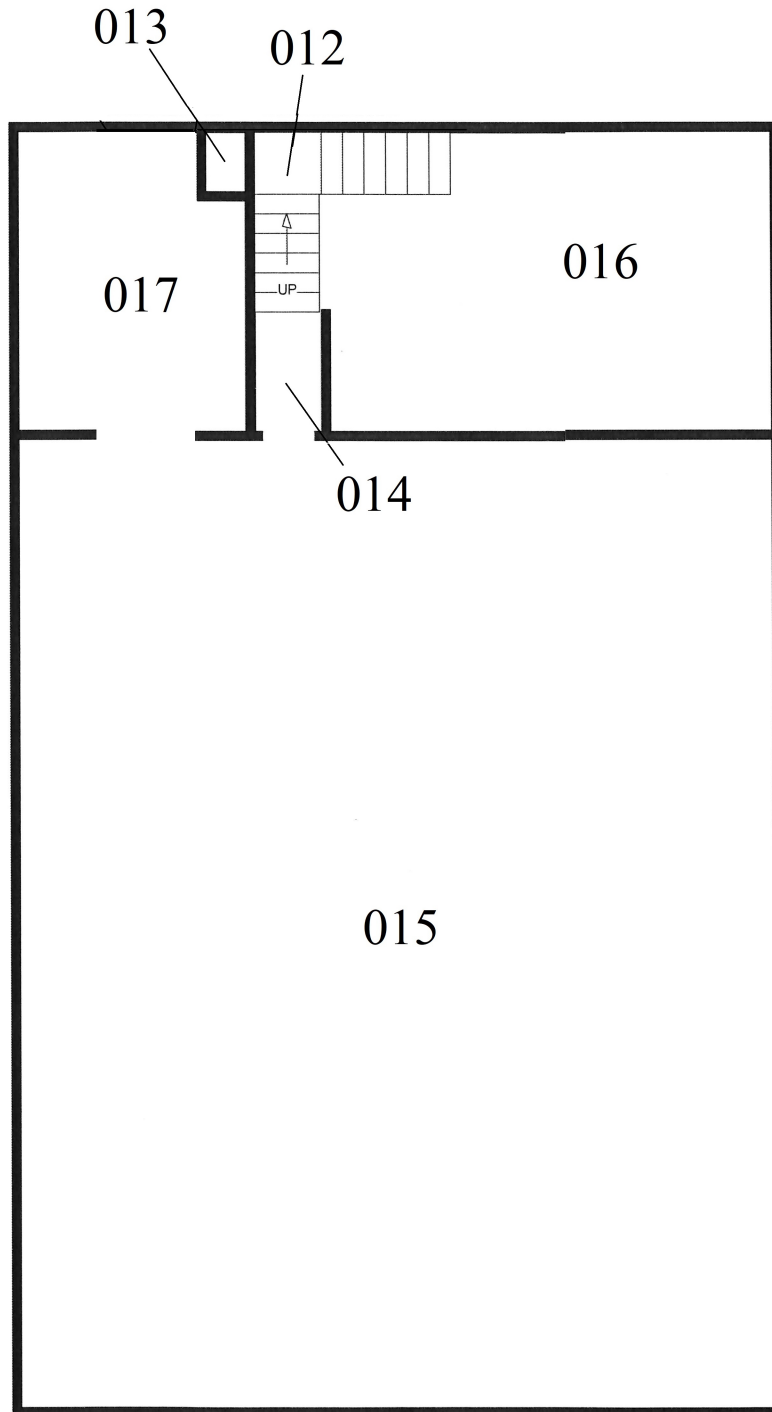




WARREN CONSOLIDATED SCHOOLS

3235 E. 12 MILE RD

BASEMENT - FLOOR PLAN



LIVING AREA  
1529 sq ft





**Warren Consolidated Schools  
3235 12 Mile Road**

**Section V  
Qualifications/Certifications & General Disclaimer Statement**

This section provides the qualifications/certifications of the Nova Environmental, Inc. Accredited Inspectors and the Laboratory used for sample analysis. Also located within this section is a general disclaimer statement on the inspection conducted. The following forms are located within this section:

Bulk Sampling Information form  
Laboratory Information form  
Copy of Inspectors' Michigan Accreditation Cards  
General Disclaimer Statement



## BULK SAMPLING INFORMATION

This form provides information regarding the collection of bulk samples, in accordance with 40 CFR, part 763.85(b)(vii)(B).

1. **Date(s) of Bulk Sampling (Project #CI0012/HOU101):**

August 18, 2023 & August 23, 2023

2. **Name of Accredited Inspector(s) who collected Bulk Sample(s):**

Russell Love / Carol May

3. **Signature of Accredited Inspector(s) who collected Bulk Sample(s):**

*Russell Love Carol May*

4. **State of Accreditation of Inspector(s) who collected Bulk Sample(s):**

Michigan / Michigan

5. **Accreditation Number of Accredited Inspector(s) who collected Bulk Sample(s):**


A60073 / A60072


**Note:** Description of the manner used to determine sample locations:

All Samples are collected in accordance with 40 CFR, Part 763.86 and the EPA's Asbestos in Buildings: Simplified Sampling Scheme for Friable Surfacing Materials.

**State of Michigan**  
Department of Labor and Economic Opportunity  
Michigan Occupational Safety & Health Administration - Asbestos Program


**Asbestos Inspector**

  
**Russell Love**  
5300 Plymouth Road  
Ann Arbor, MI 48105



**Accreditation Number**  
A60073

**Expiration Date**  
01/25/2024

  
DOB: 06/22/1996

This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1988, as amended, to be accredited as an Asbestos Inspector.

Accreditation card is not valid if altered.

161255

**State of Michigan**  
Department of Labor and Economic Opportunity  
Michigan Occupational Safety & Health Administration - Asbestos Program

**Asbestos Inspector**



**Carol May**  
c/o Nova Environmental  
5300 Plymouth Road  
Ann Arbor, MI 48105

**Accreditation Number** **Expiration Date**  
**A60072** **01/25/2024**

DOB: 04/03/1998

This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1988, as amended, to be accredited as an Asbestos Inspector.

Accreditation card is not valid if altered. **161256**



## LABORATORY INFORMATION

1. **Name of Laboratory:**

EMSL

2. **Address of Laboratory:**

15111 Northville Rd., Plymouth, MI 48170

3. **Name of Analyst:**

Ashton Bullock / Kassandra Maraz / Madeline Ryan

4. **Signature of Analyst:**

See Attached Laboratory Results Sheet

5. **Date(s) of Analysis:**

August 22, 24, 28, 31, 2023

6. **National Voluntary Laboratory Accreditation Program (NVLAP) Number:**

101048-4

7. **Applicable Requirements Statement:**

Samples are analyzed for asbestos by laboratories accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), in accordance with 40 CFR, Part 763.87(a). This program is provided under the auspices of the United States Department of Commerce National Institute of Standards and Technology. Question #6 provides the NVLAP Accreditation Number for the laboratory, which performed the asbestos bulk analysis on the samples collected.

***Nova Environmental, Inc.***  
***ACM Inspection***  
***General Disclaimer Statement***

The intent of this General Disclaimer Statement is to provide an understanding of the inherent limitations of typical asbestos-containing materials (ACM) inspections. Additional limitations specific to this building's inspection are identified in Section I of this report.

***REGULATIONS and STANDARDS***

Nova Environmental, Inc. made every effort to conduct the ACM inspection in accordance with 40 CFR Part 61 of the EPA's NESHAP regulation and 29 CFR Part 1926.1101 of the OSHA Asbestos Construction Standard, (Michigan Part 602), utilizing inspection and sampling strategies identified in 40 CFR Part 763 of the EPA's AHERA regulation. However, it should be noted that, since Nova Environmental, Inc. did not use destructive means to access materials, this ACM inspection includes only accessible building components.

If any building material or component is encountered that is not identified within this ACM inspection report, it should be assumed and treated as ACM until bulk samples are collected and analyzed in order to determine asbestos content.

***ASBESTOS TERMINOLOGY***

Many of the terms and phrases used within this ACM inspection report were derived from the EPA's AHERA regulation. Although AHERA is only associated with K-12 schools and associated buildings, both EPA and OSHA reference the AHERA regulation when identifying the strategy for conducting ACM inspections. As a result, the Nova Environmental, Inc. uses AHERA terms and phrases within all ACM inspections, even those conducted in non K-12 buildings and facilities.

***SAMPLING STRATEGIES***

Nova Environmental, Inc. conducted bulk sampling in accordance with the EPA's AHERA regulation and the EPA's Simplified Sampling Scheme. At least one bulk sample was collected and analyzed for each homogeneous area except for those materials that are assumed ACM or for those TSI materials that are assumed by the Michigan Accredited Asbestos Inspector to be non-ACM such as fiberglass, foam glass or rubber, (in accordance with 763.86 of the AHERA regulation).

Nova Environmental, Inc. utilizes an independent third party laboratory that is NVLAP accredited to conduct the bulk sample analysis.

If one or more bulk samples of a given homogeneous area is tested positive for asbestos, the homogeneous area is identified as ACM within this report.

If a bulk sample result is listed as trace or less than 1% asbestos but greater than none detect, Nova Environmental, Inc. will either identify the homogeneous area as ACM or have the sample point counted. The point count sample result will be used to determine if the homogeneous area is ACM or non-ACM. If the laboratory identifies a disclaimer stating that point count samples should have gravimetric reduction performed, the client must specifically request this type of sample preparation from Nova Environmental, Inc.

***ASSUMED ACM***

Normally, Nova Environmental, Inc. assumes that fire doors (tagged), fire door frames (tagged), all materials associated with ceramic and roofs are assumed ACM. This is due to the level of destructive means to bulk sample these types of materials. It is Nova's policy to assume these materials to be ACM unless specifically agreed upon by Nova and its client.

**WARREN CONSOLIDATED SCHOOLS**  
**REGULATED CONSTRUCTION WASTE REPORT**  
**FOR**  
**3235 12 MILE ROAD**  
**AUGUST 18, 2023**







September 6, 2023

Ms. Laura Mabee  
Manager of Auxiliary Services  
Warren Consolidated Schools  
31950 Mound Rd.  
Warren, MI 48092

Dear Ms. Mabee:

Enclosed please find the Regulated Construction Waste Report for 3235 12 Mile Road This Report is separated into the following sections:

- Section I                      Background
- Section II                     Description of Inspection Procedure
- Section III                    Regulated Construction Waste Report Listed by Material

The on-site Regulated Construction Waste of the above-mentioned facility was conducted by an Inspector from Nova Environmental, Inc.

If you have any questions or concerns regarding the enclosed material, please feel free to contact me at (734) 930-0995.

Thank you for choosing Nova Environmental, Inc.

Sincerely,

NOVA ENVIRONMENTAL, INC.

Adam Amin  
Senior Environmental Consultant

AA/ab



**Regulated Construction Waste  
For  
3235 12 Mile Road**

**Section I**

**Background/Regulated Construction Waste Information**

**Background:**

On August 18, 2023, Nova Environmental, Inc. began conducting an on-site inspection of Regulated Construction Waste within the 3235 12 Mile Road

The intent of these inspections was to provide data on potentially Regulated Construction Waste components within the facility. The Regulated Construction Waste Report will provide a list of material or components, outlined as potentially Hazardous, for each functional space of the building.

**Regulated Construction Waste  
For  
3235 12 Mile Road**

**Section I (Continued)**

**Background/Regulated Construction Waste Information**

**Regulated Construction Waste Information:**

Name of Client: Warren Consolidated Schools

Name of Building: 3235 12 Mile Road

Address of Building: 3235 12 Mile Road

Date(s) of Inspection: August 18, 2023

Contact Person: Laura Mabee

Name(s) of Inspector(s): Russel Love / Carol May



**Regulated Construction Waste  
For  
3235 12 Mile Road**

**Section II**

**Description of Inspection Procedure**

**Inspection Strategy/Regulated Construction Waste Selection Process:**

The following is a listing of the inspection strategy agreed upon between Warren Consolidated Schools and Nova Environmental, Inc. representatives:

- The Regulated Construction Waste inspection was limited to the following components/materials:
  - Fluorescent Ballasts
  - High Intensity Discharge Bulbs
  - Air Conditioners
  - Emergency Bulbs
  - Exit Signs
  - Smoke Detectors
  - Security Systems
  - Thermostats
  - Mercury Switches
  - Fire Extinguishers
  - Refrigerators
  - Sink Traps
  - Drinking Fountains



**Regulated Construction Waste  
For  
3235 12 Mile Road**

**Section III**

**Regulated Construction Waste Report**

**Warren Consolidated Schools**

3235 12 Mile Road

RCW Listing

<b>RBM #</b>	<b>RCW Description</b>
1	Smoke Detectors
2	Thermostats
3	Fluorescent Bulbs
4	Refrigerators
5	Fluorescent Ballasts
6	Mercury Switches

**Warren Consolidated Schools**

3235 12 Mile Road  
RCW by Functional Space

<b>FS#</b>	<b>FS Description</b>	<b>RCW #</b>	<b>RCW Description</b>	<b>RCW Amount</b>
1	Main Entrance	1	Smoke Detectors	1
1	Main Entrance	3	Flourescent Bulbs	4
2	SW Room	1	Smoke Detectors	1
2	SW Room	3	Flourescent Bulbs	2
3	Dining Room	2	Thermostats	1
3	Dining Room	3	Flourescent Bulbs	4
4	Kitchen	3	Flourescent Bulbs	2
4	Kitchen	4	Refrigerators	1
5	1st Floor Restroom	3	Flourescent Bulbs	1
5	1st Floor Restroom	5	Flourescent Ballasts	1
6	1st Floor Bedroom	1	Smoke Detectors	2
6	1st Floor Bedroom	3	Flourescent Bulbs	3
7	1st/2nd Floor Stairway	3	Flourescent Bulbs	2
8	2nd Floor SE Room	3	Flourescent Bulbs	2
9	2nd Floor Center Room	3	Flourescent Bulbs	1
11	2nd Floor SW Room	3	Flourescent Bulbs	2
12	1st Floor/Basement Landing	1	Smoke Detectors	1
12	1st Floor/Basement Landing	3	Flourescent Bulbs	1
13	1st Floor/Basement Landing Restroom	3	Flourescent Bulbs	1
14	Basement Vestibule/Stairway	3	Flourescent Bulbs	1
15	Basement	6	Mercury Switches	1

**Warren Consolidated Schools**

3235 12 Mile Road

RCW by Material

<b>FS#</b>	<b>FS Description</b>	<b>RCW #</b>	<b>RCW Description</b>	<b>RCW Amount</b>
1	Main Entrance	1	Smoke Detectors	1
2	SW Room	1	Smoke Detectors	1
6	1st Floor Bedroom	1	Smoke Detectors	2
12	1st Floor/Basement Landing	1	Smoke Detectors	1
3	Dining Room	2	Thermostats	1
1	Main Entrance	3	Fluorescent Bulbs	4
2	SW Room	3	Fluorescent Bulbs	2
3	Dining Room	3	Fluorescent Bulbs	4
4	Kitchen	3	Fluorescent Bulbs	2
5	1st Floor Restroom	3	Fluorescent Bulbs	1
6	1st Floor Bedroom	3	Fluorescent Bulbs	3
7	1st/2nd Floor Stairway	3	Fluorescent Bulbs	2
8	2nd Floor SE Room	3	Fluorescent Bulbs	2
9	2nd Floor Center Room	3	Fluorescent Bulbs	1
11	2nd Floor SW Room	3	Fluorescent Bulbs	2
12	1st Floor/Basement Landing	3	Fluorescent Bulbs	1
13	1st Floor/Basement Landing Restroom	3	Fluorescent Bulbs	1
14	Basement Vestibule/Stairway	3	Fluorescent Bulbs	1
4	Kitchen	4	Refrigerators	1
5	1st Floor Restroom	5	Fluorescent Ballasts	1
15	Basement	6	Mercury Switches	1



**WARREN CONSOLIDATED SCHOOLS**

**ASBESTOS INSPECTION REPORT FOR**

**11131 Gerald Drive**

**MARCH 2023**



**ENVIRONMENTAL, INC.**

**5300 PLYMOUTH ROAD  
ANN ARBOR, MICHIGAN 48105  
734-930-0995**



April 4, 2023

Ms. Laura Mabee  
Manager of Auxiliary Services  
Warren Consolidated Schools  
31950 Mound Rd.  
Warren, MI 48092

Dear Ms. Mabee:

The following is the Asbestos Inspection Report of 11131 Gerald Drive, prepared for Warren Consolidated Schools.

The Asbestos Inspection, conducted by Nova Environmental, Inc., is separated into the following sections:

Section I	Background/Inspection Information
Section II	Inspection Results
Section III	Laboratory Results
Section IV	Facility Information/Diagram
Section V	Qualifications/Certifications/General Disclaimer Statement

If you have any questions or concerns regarding the information presented within this report, please feel free to contact me at (734) 930-0995.

Thank you for choosing Nova Environmental, Inc.

Sincerely,

NOVA ENVIRONMENTAL, INC.

A handwritten signature in blue ink, appearing to read "Adam Amin", is written over a light blue horizontal line.

Adam Amin  
Senior Environmental Consultant

AA/ab



**Warren Consolidated Schools  
11131 Gerald Drive**

**Section I  
Background/Inspection Information**

**Background:**

On March 22-23, 2023, and March 28, 2023, representatives of Nova Environmental, Inc. conducted an Asbestos Inspection within the 11131 Gerald Drive. The intent of this inspection was to determine potential asbestos content within interior and exterior accessible building materials/components.

During the on-site inspection phase, Nova collected a total of 71 bulk samples. Each of these samples was analyzed under Polarizing Light Microscopy (PLM) by EMSL Analytical, Inc., an accredited laboratory, utilizing EPA 600/R-93/116 Method. Bulk samples analyzed <5% asbestos was subsequently analyzed using the point count method. There was a total of 0 bulk samples analyzed using the point count method. All laboratory result sheets are in Section III of this report.

It should be noted that the following limitations were realized during the inspection phase:

- Nova Environmental, Inc. collected bulk samples of accessible suspect asbestos-containing material (ACM).
- Nova Environmental, Inc. only quantified accessible suspect ACM, therefore, all quantities are estimates of the actual amounts.
- Further inspection of inaccessible areas will be necessary before any renovation or demolition takes place.
- Due to recent interpretations by MIOSHA, all materials that have been analyzed < 1 % asbestos by point count will still need to follow the OSHA Asbestos Construction Standard when disturbed.

A General Disclaimer Statement regarding this asbestos inspection is located in Section V of this Report.

## **Inspection Information:**

All bulk samples were collected by Michigan Accredited Asbestos Inspectors in accordance with 40CFR Part 763 of the EPA's AHERA regulation. This sampling strategy is required according to 29 CFR Part 1926.1101 of the OSHA Asbestos Construction Standard for public and commercial buildings.

There are several terms/phrases that are identified in the various EPA and OSHA asbestos regulations, which are used within this ACM Survey report. They are as follows:

- ***Asbestos-Containing Material (ACM):***  
Refers to a material, which contains more than 1% asbestos. If a given material contains over 1% asbestos, it is considered asbestos by all federal and state government agencies. If the material contains less than or equal to 1% asbestos, it is legally non-asbestos containing material.
- ***Friable:***  
Refers to the ability of the material to crumble or pulverize under hand pressure when dry.
- ***Functional Space (FS):***  
Means a room, group of rooms or separate independent area, such as hallways, restrooms, etc.
- ***Functional Space Number:***  
A number, assigned to each functional space by either the building owner or Nova.
- ***Homogeneous Area (HA):***  
Refers to a material that is uniform in color and texture.
- ***Homogeneous Area Number:***  
A number, assigned to each homogeneous area by the Nova Inspector(s).
- ***Miscellaneous Material:***  
Any material, which is not classified as thermal system insulation or surfacing material.
- ***Surfacing Material:***  
Means material that is sprayed trowelled-on or otherwise applied to surfaces, (such as acoustical plaster on ceilings and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, and other purposes).
- ***Thermal System Insulation (TSI):***  
Means ACM applied to pipes, fittings, boilers, breeching, tanks, ducts or other structural components to prevent heat loss or gain.
- ***Units:***  
Units of measurement in either square feet, linear feet or totals, such as a total count of a given material or component.



**Warren Consolidated Schools  
11131 Gerald Drive**

**Section II  
Inspection Results**

This section is delineated into three separate sub-sections. Included in each sub-section are FS# or functional space numbers, FS Description, Material Description, amount of material present, whether the material is positive, negative, or assumed asbestos and its present status. Please note that within the sub-sections all materials tested **positive** or **assumed** to be asbestos are in bold, while all materials tested negative for asbestos are in regular type.

A listing and description of each sub-section follows:

- ***Homogeneous Area Listing***  
This listing provides a complete material listing as well as whether the material contains asbestos, is assumed or is negative for asbestos-containing material.
- ***List by Functional Space Number***  
This listing provides all inspection information organized by functional space.
- ***List by Homogeneous Areas***  
This listing provides all inspection information organized by homogeneous area, or material description.

The laboratory results are in Section III of this Report.

Gerald Drive Building  
Homogeneous Area Listing

Homogeneous Area Description	HA#	Asbestos
<b>9" x 9" Floor Tile - Light Brown w/ Dark Brown Streaks</b>	<b>1</b>	<b>*Positive</b>
<b>Mastic for 9" x 9" Floor Tile - Light Brown w/ Dark Brown Streaks</b>	<b>2</b>	<b>*Positive</b>
<b>9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks</b>	<b>3</b>	<b>*Positive</b>
Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	*Negative
<b>9" x 9" Floor Tile - White w/ Black Streaks</b>	<b>5</b>	<b>*Positive</b>
Mastic for 9" x 9" Floor Tile - White w/ Black Streaks	6	*Negative
<b>Light Heat Shield</b>	<b>7</b>	<b>*Positive</b>
<b>9" x 9" Floor Tile - Brown w/ Dark Brown Specks</b>	<b>8</b>	<b>*Positive</b>
Mastic for 9" x 9" Floor Tile - Brown w/ Dark Brown Specks	9	*Negative
<b>Marble Linoleum - Light Colored w/ Blue Dots</b>	<b>10</b>	<b>*Positive</b>
<b>Mastic for Marble Linoleum - Light Colored w/ Blue Dots</b>	<b>11</b>	<b>*Positive</b>
<b>Gold Marble Vinyl Sheeting</b>	<b>12</b>	<b>Not Found</b>
<b>Mastic for Gold Marble Vinyl Sheeting</b>	<b>13</b>	<b>Not Found</b>
<b>Tagged Fire Door</b>	<b>14</b>	<b>Assumed</b>
<b>Tagged Fire Door Frame</b>	<b>15</b>	<b>Assumed</b>
Smooth Plaster Ceiling - Finishcoat	16	Negative
Smooth Plaster Ceiling - Browncoat	17	Negative
Swirled Plaster Ceiling - Finishcoat	18	Negative
Swirled Plaster Ceiling - Browncoat	19	Negative
1' x 1' Ceiling Tile - Dots and Gouges	20	*Negative
Gluepods for 1' x 1' Ceiling Tile - Dots and Gouges	21	*Negative
Fiberglass Pipe Insulation	22	*Negative
Mud Fittings	23	Negative
4" Covebase - Brown	24	*Negative
Mastic for 4" Covebase - Brown	25	*Negative
2' x 4' Ceiling Panel - Dots and Gouges	26	*Negative
4" Covebase - Black	27	*Negative
Mastic for 4" Covebase - Black	28	*Negative
Cinderblock	29	*Negative
Cinderblock Mortar	30	*Negative
Concrete	31	*Negative
Stair Tread - Brown	32	*Negative
Mastic for Stair Tread - Brown	33	*Negative
12" x 12" Floor Tile - White w/ Colored Specks	34	*Negative
Mastic for 12" x 12" Floor Tile - White w/ Colored Specks	35	*Negative
4" Covebase - Tan	36	*Negative
Mastic for 4" Covebase - Tan	37	*Negative
6" Covebase - Brown	38	*Negative
Mastic for 6" Covebase - Brown	39	*Negative
Sink Undercoating - Pink	40	*Negative
Exterior Brick	41	Negative
Exterior Brick Mortar	42	Negative
<b>Boiler (2014)</b>	<b>43</b>	<b>Assumed</b>
Glass Block	44	Non-Suspect
Glass Block Mortar	45	Negative
<b>Door Caulk - White</b>	<b>46</b>	<b>Positive</b>
<b>Floor Tar - Black</b>	<b>47</b>	<b>Positive</b>
Drywall	48	Negative

Gerald Drive Building  
Homogeneous Area Listing

Homogeneous Area Description	HA#	Asbestos
Carpet Glue - Orange	49	Negative
Bathtub Caulk - White	50	Negative
Deck Paper - Black	51	Negative
Ceramic for Ceramic Floor Tile	52	Negative
Grout for Ceramic Floor Tile	53	Negative
Ceramic for Ceramic Wall Tile	54	Negative
Grout for Ceramic Wall Tile	55	Negative
Smooth Plaster Wall - Finishcoat	56	Negative
Smooth Plaster Wall - Browncoat	57	Negative
Door Caulk - Cream	58	Negative
Window Caulk - Gray	59	Negative
Window Glaze - Black	60	Negative
<b>Marble Linoleum - Brown Stone Pattern</b>	<b>61</b>	<b>Positive</b>
<b>Mastic for Marble Linoleum - Brown Stone Pattern</b>	<b>62</b>	<b>Inseparable</b>
Exterior Brick - Blue	63	Negative
Exterior Mortar for Brick - Blue	64	Negative
Exterior Vapor Barrier - Green	65	Negative
<b>Exterior Door Caulk - Gray</b>	<b>66</b>	<b>Positive</b>
Exterior Window Glaze - Black	67	Negative
<b>Exterior Exhaust Vent Caulk - White</b>	<b>68</b>	<b>Positive</b>
Exterior Stone Window Sill	69	Negative
<b>Exterior Window Caulk - Gray</b>	<b>70</b>	<b>Positive</b>
<b>Exterior Door Caulk - White</b>	<b>71</b>	<b>Positive</b>
Exterior Vapor Barrier - Black	72	Negative
Exterior Metal Overhang Caulk - White	73	Negative
Exterior Window Caulk - White	74	Negative
<b>Exterior Roof Flashing Caulk - White</b>	<b>75</b>	<b>Positive</b>
<b>Exterior Roof Flashing Caulk - Gray</b>	<b>76</b>	<b>Positive</b>
Exterior Roof Shingle	77	Negative
Exterior Roof Vent Caulk - Black	78	Negative
Exterior Built up Roof - Black	79	Negative
<b>Exterior Pipe Caulk - Gray</b>	<b>80</b>	<b>Positive</b>
Exterior Built up Roof Flashing	81	Negative
Exterior Built up Roof - North	82	Negative
<b>Exterior Roof Chimney Flashing</b>	<b>83</b>	<b>Positive</b>
<b>Exterior Overhang Caulk - Old Cream</b>	<b>84</b>	<b>Positive</b>
Exterior Overhang Caulk - Cream	85	Negative
Exterior 2nd Layer Shingle - Green	86	Negative
Exterior 3rd Layer Shingle - Brown	87	Negative
Exterior 4th Layer Shingle - Brown	88	Negative
Exterior Roof Felt Layer (Bottom)	89	Negative

## Warren Consolidated Schools

Gerald Drive Building  
List by Functional Space

FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
<b>1</b>	<b>Boiler Room</b>	<b>Tagged Fire Door</b>	<b>14</b>	<b>1 Total</b>		<b>Assumed</b>
<b>1</b>	<b>Boiler Room</b>	<b>Tagged Fire Door Frame</b>	<b>15</b>	<b>1 Total</b>		<b>Assumed</b>
1	Boiler Room	Swirled Plaster Ceiling - Finishcoat	18	169 Sq. Ft.		Negative
1	Boiler Room	Swirled Plaster Ceiling - Browncoat	19	169 Sq. Ft.		Negative
1	Boiler Room	Fiberglass Pipe Insulation	22	5 Ln. Ft.		*Negative
1	Boiler Room	Mud Fittings	23	3 Ln. Ft.		Negative
1	Boiler Room	Cinderblock	29	520 Sq. Ft.		*Negative
1	Boiler Room	Cinderblock Mortar	30	520 Sq. Ft.		*Negative
1	Boiler Room	Concrete	31	169 Sq. Ft.		*Negative
<b>1</b>	<b>Boiler Room</b>	<b>Boiler (2014)</b>	<b>43</b>	<b>2 Total</b>		<b>Assumed</b>
1	Boiler Room	Glass Block	44	15 Sq. Ft.		Non-Suspect
1	Boiler Room	Glass Block Mortar	45	15 Sq. Ft.		Negative
<b>1</b>	<b>Boiler Room</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20 Ln. Ft.</b>		<b>Positive</b>
1	Boiler Room	Drywall	48	169 Sq. Ft.		Negative
1	Boiler Room	Deck Paper - Black	51	169 Sq. Ft.		Negative
2	East Stairwell Storage	Smooth Plaster Ceiling - Finishcoat	16	104 Sq. Ft.		Negative
2	East Stairwell Storage	Smooth Plaster Ceiling - Browncoat	17	104 Sq. Ft.		Negative
2	East Stairwell Storage	Cinderblock	29	420 Sq. Ft.		*Negative
2	East Stairwell Storage	Cinderblock Mortar	30	420 Sq. Ft.		*Negative
2	East Stairwell Storage	Concrete	31	104 Sq. Ft.		*Negative
2	East Stairwell Storage	Glass Block	44	15 Sq. Ft.		Non-Suspect
2	East Stairwell Storage	Glass Block Mortar	45	15 Sq. Ft.		Negative
<b>2</b>	<b>East Stairwell Storage</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20 Ln. Ft.</b>		<b>Positive</b>
2	East Stairwell Storage	Drywall	48	104 Sq. Ft.		Negative
3	Custodial Closet	Smooth Plaster Ceiling - Finishcoat	16	28 Sq. Ft.		Negative
3	Custodial Closet	Smooth Plaster Ceiling - Browncoat	17	28 Sq. Ft.		Negative
3	Custodial Closet	Cinderblock	29	220 Sq. Ft.		*Negative
3	Custodial Closet	Cinderblock Mortar	30	220 Sq. Ft.		*Negative
3	Custodial Closet	Concrete	31	28 Sq. Ft.		*Negative
<b>3</b>	<b>Custodial Closet</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20 Ln. Ft.</b>		<b>Positive</b>
<b>3</b>	<b>Custodial Closet</b>	<b>Floor Tar - Black</b>	<b>47</b>	<b>7 Ln. Ft.</b>		<b>Positive</b>
3	Custodial Closet	Drywall	48	28 Sq. Ft.		Negative
<b>4</b>	<b>SE Storage</b>	<b>9" x 9" Floor Tile - White w/ Black Streaks</b>	<b>5</b>	<b>143 Sq. Ft.</b>		<b>*Positive</b>
4	SE Storage	Mastic for 9" x 9" Floor Tile - White w/ Black Streaks	6	143 Sq. Ft.		*Negative
4	SE Storage	Smooth Plaster Ceiling - Finishcoat	16	143 Sq. Ft.		Negative
4	SE Storage	Smooth Plaster Ceiling - Browncoat	17	143 Sq. Ft.		Negative

\*Previously Sampled



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FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
4	SE Storage	4" Covebase - Black	27	48 Ln. Ft.		*Negative
4	SE Storage	Mastic for 4" Covebase - Black	28	48 Ln. Ft.		*Negative
4	SE Storage	Cinderblock	29	143 Sq. Ft.		*Negative
4	SE Storage	Cinderblock Mortar	30	480 Sq. Ft.		*Negative
4	SE Storage	Concrete	31	143 Sq. Ft.		*Negative
4	SE Storage	Glass Block	44	15 Sq. Ft.		Non-Suspect
4	SE Storage	Glass Block Mortar	45	15 Sq. Ft.		Negative
<b>4</b>	<b>SE Storage</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20 Ln. Ft.</b>		<b>Positive</b>
4	SE Storage	Drywall	48	143 Sq. Ft.		Negative
<b>5</b>	<b>Washroom Storage</b>	<b>9" x 9" Floor Tile - Light Brown w/ Dark Brown Streaks</b>	<b>1</b>	<b>117 Sq. Ft.</b>		<b>*Positive</b>
<b>5</b>	<b>Washroom Storage</b>	<b>Mastic for 9" x 9" Floor Tile - Light Brown w/ Dark Brown Streaks</b>	<b>2</b>	<b>117 Sq. Ft.</b>		<b>*Positive</b>
<b>5</b>	<b>Washroom Storage</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>2 Total</b>		<b>*Positive</b>
5	Washroom Storage	Smooth Plaster Ceiling - Finishcoat	16	117 Sq. Ft.		Negative
5	Washroom Storage	Smooth Plaster Ceiling - Browncoat	17	117 Sq. Ft.		Negative
5	Washroom Storage	4" Covebase - Brown	24	44 Ln. Ft.		*Negative
5	Washroom Storage	Mastic for 4" Covebase - Brown	25	44 Ln. Ft.		*Negative
5	Washroom Storage	Cinderblock	29	117 Sq. Ft.		*Negative
5	Washroom Storage	Cinderblock Mortar	30	440 Sq. Ft.		*Negative
5	Washroom Storage	Concrete	31	440 Sq. Ft.		*Negative
5	Washroom Storage	Glass Block	44	15 Sq. Ft.		Non-Suspect
5	Washroom Storage	Glass Block Mortar	45	15 Sq. Ft.		Negative
<b>5</b>	<b>Washroom Storage</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>40 Ln. Ft.</b>		<b>Positive</b>
5	Washroom Storage	Drywall	48	117 Sq. Ft.		Negative
<b>6</b>	<b>Washroom</b>	<b>9" x 9" Floor Tile - White w/ Black Streaks</b>	<b>5</b>	<b>364 Sq. Ft.</b>		<b>*Positive</b>
6	Washroom	Mastic for 9" x 9" Floor Tile - White w/ Black Streaks	6	364 Sq. Ft.		*Negative
<b>6</b>	<b>Washroom</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>3 Total</b>		<b>*Positive</b>
6	Washroom	Smooth Plaster Ceiling - Finishcoat	16	364 Sq. Ft.		Negative
6	Washroom	Smooth Plaster Ceiling - Browncoat	17	364 Sq. Ft.		Negative
6	Washroom	Fiberglass Pipe Insulation	22	30 Ln. Ft.		*Negative
6	Washroom	Mud Fittings	23	7 Ln. Ft.		Negative
6	Washroom	4" Covebase - Black	27	82 Ln. Ft.		*Negative
6	Washroom	Mastic for 4" Covebase - Black	28	82 Ln. Ft.		*Negative
6	Washroom	Cinderblock	29	820 Sq. Ft.		*Negative
6	Washroom	Cinderblock Mortar	30	820 Sq. Ft.		*Negative
6	Washroom	Concrete	31	364 Sq. Ft.		*Negative
6	Washroom	Glass Block	44	45 Sq. Ft.		Non-Suspect

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FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
6	Washroom	Glass Block Mortar	45	45	Sq. Ft.	Negative
<b>6</b>	<b>Washroom</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20</b>	<b>Ln. Ft.</b>	<b>Positive</b>
6	Washroom	Drywall	48	364	Sq. Ft.	Negative
7	W Storage	Fiberglass Pipe Insulation	22	1	Ln. Ft.	*Negative
7	W Storage	Cinderblock	29	580	Sq. Ft.	*Negative
7	W Storage	Cinderblock Mortar	30	580	Sq. Ft.	*Negative
7	W Storage	Concrete	31	190	Sq. Ft.	*Negative
<b>7</b>	<b>W Storage</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20</b>	<b>Ln. Ft.</b>	<b>Positive</b>
<b>7</b>	<b>W Storage</b>	<b>Floor Tar - Black</b>	<b>47</b>	<b>30</b>	<b>Ln. Ft.</b>	<b>Positive</b>
<b>8</b>	<b>Shuffleboard Room</b>	<b>9" x 9" Floor Tile - Light Brown w/ Dark Brown Streaks</b>	<b>1</b>	<b>20</b>	<b>Sq. Ft.</b>	<b>*Positive</b>
<b>8</b>	<b>Shuffleboard Room</b>	<b>Mastic for 9" x 9" Floor Tile - Light Brown w/ Dark Brown Streaks</b>	<b>2</b>	<b>20</b>	<b>Sq. Ft.</b>	<b>*Positive</b>
<b>8</b>	<b>Shuffleboard Room</b>	<b>9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks</b>	<b>3</b>	<b>396</b>	<b>Sq. Ft.</b>	<b>*Positive</b>
8	Shuffleboard Room	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	396	Sq. Ft.	*Negative
<b>8</b>	<b>Shuffleboard Room</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>4</b>	<b>Total</b>	<b>*Positive</b>
8	Shuffleboard Room	1' x 1' Ceiling Tile - Dots and Gouges	20	416	Sq. Ft.	*Negative
8	Shuffleboard Room	Gluepods for 1' x 1' Ceiling Tile - Dots and Gouges	21	416	Sq. Ft.	*Negative
8	Shuffleboard Room	4" Covebase - Brown	24	90	Ln. Ft.	*Negative
8	Shuffleboard Room	Mastic for 4" Covebase - Brown	25	90	Ln. Ft.	*Negative
8	Shuffleboard Room	Cinderblock	29	900	Sq. Ft.	*Negative
8	Shuffleboard Room	Cinderblock Mortar	30	900	Sq. Ft.	*Negative
8	Shuffleboard Room	Concrete	31	416	Sq. Ft.	*Negative
8	Shuffleboard Room	Glass Block	44	30	Sq. Ft.	Non-Suspect
8	Shuffleboard Room	Glass Block Mortar	45	30	Sq. Ft.	Negative
<b>8</b>	<b>Shuffleboard Room</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20</b>	<b>Ln. Ft.</b>	<b>Positive</b>
9	N Storage	Fiberglass Pipe Insulation	22	50	Ln. Ft.	*Negative
9	N Storage	Mud Fittings	23	12	Ln. Ft.	Negative
9	N Storage	Cinderblock	29	360	Sq. Ft.	*Negative
9	N Storage	Cinderblock Mortar	30	360	Sq. Ft.	*Negative
9	N Storage	Concrete	31	80	Sq. Ft.	*Negative
<b>9</b>	<b>N Storage</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20</b>	<b>Ln. Ft.</b>	<b>Positive</b>
<b>9</b>	<b>N Storage</b>	<b>Floor Tar - Black</b>	<b>47</b>	<b>10</b>	<b>Ln. Ft.</b>	<b>Positive</b>
<b>10</b>	<b>Basement Common Room</b>	<b>9" x 9" Floor Tile - Light Brown w/ Dark Brown Streaks</b>	<b>1</b>	<b>260</b>	<b>Sq. Ft.</b>	<b>*Positive</b>
<b>10</b>	<b>Basement Common Room</b>	<b>Mastic for 9" x 9" Floor Tile - Light Brown w/ Dark Brown Streaks</b>	<b>2</b>	<b>260</b>	<b>Sq. Ft.</b>	<b>*Positive</b>
<b>10</b>	<b>Basement Common Room</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>3</b>	<b>Total</b>	<b>*Positive</b>
10	Basement Common Room	Smooth Plaster Ceiling - Finishcoat	16	260	Sq. Ft.	Negative
10	Basement Common Room	Smooth Plaster Ceiling - Browncoat	17	260	Sq. Ft.	Negative

\*Previously Sampled

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FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
10	Basement Common Room	4" Covebase - Brown	24	66 Ln. Ft.		*Negative
10	Basement Common Room	Mastic for 4" Covebase - Brown	25	66 Ln. Ft.		*Negative
10	Basement Common Room	Cinderblock	29	660 Sq. Ft.		*Negative
10	Basement Common Room	Cinderblock Mortar	30	660 Sq. Ft.		*Negative
10	Basement Common Room	Concrete	31	260 Sq. Ft.		*Negative
10	Basement Common Room	Glass Block	44	15 Sq. Ft.		Non-Suspect
10	Basement Common Room	Glass Block Mortar	45	15 Sq. Ft.		Negative
<b>10</b>	<b>Basement Common Room</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>40 Ln. Ft.</b>		<b>Positive</b>
10	Basement Common Room	Drywall	48	260 Sq. Ft.		Negative
<b>11</b>	<b>Basement Restroom</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1 Total</b>		<b>*Positive</b>
11	Basement Restroom	Smooth Plaster Ceiling - Finishcoat	16	30 Sq. Ft.		Negative
11	Basement Restroom	Smooth Plaster Ceiling - Browncoat	17	30 Sq. Ft.		Negative
11	Basement Restroom	Cinderblock	29	110 Sq. Ft.		*Negative
11	Basement Restroom	Cinderblock Mortar	30	100 Sq. Ft.		*Negative
11	Basement Restroom	Concrete	31	30 Sq. Ft.		*Negative
<b>11</b>	<b>Basement Restroom</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20 Ln. Ft.</b>		<b>Positive</b>
11	Basement Restroom	Drywall	48	30 Sq. Ft.		Negative
11	Basement Restroom	Ceramic for Ceramic Floor Tile	52	30 Sq. Ft.		Negative
11	Basement Restroom	Grout for Ceramic Floor Tile	53	30 Sq. Ft.		Negative
11	Basement Restroom	Ceramic for Ceramic Wall Tile	54	110 Sq. Ft.		Negative
11	Basement Restroom	Grout for Ceramic Wall Tile	55	110 Sq. Ft.		Negative
<b>12</b>	<b>Basement Hallway</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>8 Total</b>		<b>*Positive</b>
<b>12</b>	<b>Basement Hallway</b>	<b>9" x 9" Floor Tile - Brown w/ Dark Brown Specks</b>	<b>8</b>	<b>360 Sq. Ft.</b>		<b>*Positive</b>
12	Basement Hallway	Mastic for 9" x 9" Floor Tile - Brown w/ Dark Brown Specks	9	360 Sq. Ft.		*Negative
12	Basement Hallway	Fiberglass Pipe Insulation	22	70 Ln. Ft.		*Negative
12	Basement Hallway	Mud Fittings	23	17 Ln. Ft.		Negative
12	Basement Hallway	4" Covebase - Brown	24	82 Ln. Ft.		*Negative
12	Basement Hallway	Mastic for 4" Covebase - Brown	25	82 Ln. Ft.		*Negative
12	Basement Hallway	2' x 4' Ceiling Panel - Dots and Gouges	26	360 Sq. Ft.		*Negative
12	Basement Hallway	Cinderblock	29	820 Sq. Ft.		*Negative
12	Basement Hallway	Cinderblock Mortar	30	820 Sq. Ft.		*Negative
12	Basement Hallway	Concrete	31	360 Sq. Ft.		*Negative
<b>12</b>	<b>Basement Hallway</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20 Ln. Ft.</b>		<b>Positive</b>
<b>12.1</b>	<b>Basement Restroom Closet</b>	<b>9" x 9" Floor Tile - Brown w/ Dark Brown Specks</b>	<b>8</b>	<b>18 Sq. Ft.</b>		<b>*Positive</b>
12.1	Basement Restroom Closet	Mastic for 9" x 9" Floor Tile - Brown w/ Dark Brown Specks	9	18 Sq. Ft.		*Negative
12.1	Basement Restroom Closet	Smooth Plaster Ceiling - Finishcoat	16	18 Sq. Ft.		Negative

\*Previously Sampled

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FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
12.1	Basement Restroom Closet	Smooth Plaster Ceiling - Browncoat	17	18	Sq. Ft.	Negative
12.1	Basement Restroom Closet	4" Covebase - Brown	24	12	Ln. Ft.	*Negative
12.1	Basement Restroom Closet	Mastic for 4" Covebase - Brown	25	12	Ln. Ft.	*Negative
12.1	Basement Restroom Closet	Cinderblock	29	120	Sq. Ft.	*Negative
12.1	Basement Restroom Closet	Cinderblock Mortar	30	120	Sq. Ft.	*Negative
12.1	Basement Restroom Closet	Concrete	31	18	Sq. Ft.	*Negative
<b>12.1</b>	<b>Basement Restroom Closet</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>30</b>	<b>Ln. Ft.</b>	<b>Positive</b>
<b>12.2</b>	<b>Basement Restroom Hallway</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1</b>	<b>Total</b>	<b>*Positive</b>
<b>12.2</b>	<b>Basement Restroom Hallway</b>	<b>9" x 9" Floor Tile - Brown w/ Dark Brown Specks</b>	<b>8</b>	<b>28</b>	<b>Sq. Ft.</b>	<b>*Positive</b>
12.2	Basement Restroom Hallway	Mastic for 9" x 9" Floor Tile - Brown w/ Dark Brown Specks	9	28	Sq. Ft.	*Negative
12.2	Basement Restroom Hallway	4" Covebase - Brown	24	22	Ln. Ft.	*Negative
12.2	Basement Restroom Hallway	Mastic for 4" Covebase - Brown	25	22	Ln. Ft.	*Negative
12.2	Basement Restroom Hallway	2' x 4' Ceiling Panel - Dots and Gouges	26	28	Sq. Ft.	*Negative
12.2	Basement Restroom Hallway	Cinderblock	29	220	Sq. Ft.	*Negative
12.2	Basement Restroom Hallway	Cinderblock Mortar	30	220	Sq. Ft.	*Negative
12.2	Basement Restroom Hallway	Concrete	31	28	Sq. Ft.	*Negative
12.2	Basement Restroom Hallway	Drywall	48	28	Sq. Ft.	Negative
<b>12.3</b>	<b>Basement Hallway Closet</b>	<b>9" x 9" Floor Tile - Brown w/ Dark Brown Specks</b>	<b>8</b>	<b>6</b>	<b>Sq. Ft.</b>	<b>*Positive</b>
12.3	Basement Hallway Closet	Mastic for 9" x 9" Floor Tile - Brown w/ Dark Brown Specks	9	6	Sq. Ft.	*Negative
12.3	Basement Hallway Closet	4" Covebase - Brown	24	7	Ln. Ft.	*Negative
12.3	Basement Hallway Closet	Mastic for 4" Covebase - Brown	25	7	Ln. Ft.	*Negative
12.3	Basement Hallway Closet	Cinderblock	29	70	Sq. Ft.	*Negative
12.3	Basement Hallway Closet	Cinderblock Mortar	30	70	Sq. Ft.	*Negative
12.3	Basement Hallway Closet	Concrete	31	6	Sq. Ft.	*Negative
<b>12.3</b>	<b>Basement Hallway Closet</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20</b>	<b>Ln. Ft.</b>	<b>Positive</b>
<b>13</b>	<b>Basement/1st Floor Stairwell</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>2</b>	<b>Total</b>	<b>*Positive</b>
13	Basement/1st Floor Stairwell	Smooth Plaster Ceiling - Finishcoat	16	108	Sq. Ft.	Negative
13	Basement/1st Floor Stairwell	Smooth Plaster Ceiling - Browncoat	17	108	Sq. Ft.	Negative
13	Basement/1st Floor Stairwell	4" Covebase - Brown	24	10	Ln. Ft.	*Negative
13	Basement/1st Floor Stairwell	Mastic for 4" Covebase - Brown	25	10	Ln. Ft.	*Negative
13	Basement/1st Floor Stairwell	Cinderblock	29	620	Sq. Ft.	*Negative
13	Basement/1st Floor Stairwell	Cinderblock Mortar	30	620	Sq. Ft.	*Negative
13	Basement/1st Floor Stairwell	Concrete	31	108	Sq. Ft.	*Negative
13	Basement/1st Floor Stairwell	Stair Tread - Brown	32	60	Sq. Ft.	*Negative
13	Basement/1st Floor Stairwell	Mastic for Stair Tread - Brown	33	60	Sq. Ft.	*Negative
13	Basement/1st Floor Stairwell	6" Covebase - Brown	38	60	Ln. Ft.	*Negative

\*Previously Sampled

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FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
13	Basement/1st Floor Stairwell	Mastic for 6" Covebase - Brown	39	60	Ln. Ft.	*Negative
<b>13</b>	<b>Basement/1st Floor Stairwell</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20</b>	<b>Ln. Ft.</b>	<b>Positive</b>
13	Basement/1st Floor Stairwell	Smooth Plaster Wall - Finishcoat	56	620	Sq. Ft.	Negative
13	Basement/1st Floor Stairwell	Smooth Plaster Wall - Browncoat	57	620	Sq. Ft.	Negative
13	Basement/1st Floor Stairwell	Door Caulk - Cream	58	20	Ln. Ft.	Negative
<b>14</b>	<b>Kitchen</b>	<b>Marble Linoleum - Light Colored w/ Blue Dots</b>	<b>10</b>	<b>252</b>	<b>Sq. Ft.</b>	<b>*Positive</b>
<b>14</b>	<b>Kitchen</b>	<b>Mastic for Marble Linoleum - Light Colored w/ Blue Dots</b>	<b>11</b>	<b>252</b>	<b>Sq. Ft.</b>	<b>*Positive</b>
14	Kitchen	Smooth Plaster Ceiling - Finishcoat	16	252	Sq. Ft.	Negative
14	Kitchen	Smooth Plaster Ceiling - Browncoat	17	252	Sq. Ft.	Negative
14	Kitchen	4" Covebase - Brown	24	14	Ln. Ft.	*Negative
14	Kitchen	Mastic for 4" Covebase - Brown	25	14	Ln. Ft.	*Negative
14	Kitchen	4" Covebase - Black	27	50	Ln. Ft.	*Negative
14	Kitchen	Mastic for 4" Covebase - Black	28	50	Ln. Ft.	*Negative
14	Kitchen	Concrete	31	252	Sq. Ft.	*Negative
14	Kitchen	Sink Undercoating - Pink	40	3	Total	*Negative
14	Kitchen	Smooth Plaster Wall - Finishcoat	56	640	Sq. Ft.	Negative
14	Kitchen	Smooth Plaster Wall - Browncoat	57	640	Sq. Ft.	Negative
14	Kitchen	Window Caulk - Gray	59	30	Ln. Ft.	Negative
14	Kitchen	Window Glaze - Black	60	40	Sq. Ft.	Negative
<b>15</b>	<b>Dining Room</b>	<b>9" x 9" Floor Tile - White w/ Black Streaks</b>	<b>5</b>	<b>406</b>	<b>Sq. Ft.</b>	<b>*Positive</b>
15	Dining Room	Mastic for 9" x 9" Floor Tile - White w/ Black Streaks	6	406	Sq. Ft.	*Negative
<b>15</b>	<b>Dining Room</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>8</b>	<b>Total</b>	<b>*Positive</b>
15	Dining Room	Smooth Plaster Ceiling - Finishcoat	16	406	Sq. Ft.	Negative
15	Dining Room	Smooth Plaster Ceiling - Browncoat	17	406	Sq. Ft.	Negative
15	Dining Room	Concrete	31	406	Sq. Ft.	*Negative
15	Dining Room	Smooth Plaster Wall - Finishcoat	56	860	Sq. Ft.	Negative
15	Dining Room	Smooth Plaster Wall - Browncoat	57	860	Sq. Ft.	Negative
15	Dining Room	Window Caulk - Gray	59	60	Ln. Ft.	Negative
15	Dining Room	Window Glaze - Black	60	75	Sq. Ft.	Negative
<b>16</b>	<b>Living Room</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1</b>	<b>Total</b>	<b>*Positive</b>
16	Living Room	1' x 1' Ceiling Tile - Dots and Gouges	20	224	Sq. Ft.	*Negative
16	Living Room	Gluepods for 1' x 1' Ceiling Tile - Dots and Gouges	21	224	Sq. Ft.	*Negative
16	Living Room	Concrete	31	224	Sq. Ft.	*Negative
16	Living Room	Carpet Glue - Orange	49	224	Sq. Ft.	Negative
16	Living Room	Smooth Plaster Wall - Finishcoat	56	600	Sq. Ft.	Negative
16	Living Room	Smooth Plaster Wall - Browncoat	57	600	Sq. Ft.	Negative

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FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
16	Living Room	Window Caulk - Gray	59	40	Ln. Ft.	Negative
<b>17</b>	<b>Side Entry Door Room</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1</b>	<b>Total</b>	<b>*Positive</b>
17	Side Entry Door Room	1' x 1' Ceiling Tile - Dots and Gouges	20	110	Sq. Ft.	*Negative
17	Side Entry Door Room	Gluepods for 1' x 1' Ceiling Tile - Dots and Gouges	21	110	Sq. Ft.	*Negative
17	Side Entry Door Room	Concrete	31	110	Sq. Ft.	*Negative
17	Side Entry Door Room	12" x 12" Floor Tile - White w/ Colored Specks	34	110	Sq. Ft.	*Negative
17	Side Entry Door Room	Mastic for 12" x 12" Floor Tile - White w/ Colored Specks	35	110	Sq. Ft.	*Negative
17	Side Entry Door Room	4" Covebase - Tan	36	42	Ln. Ft.	*Negative
17	Side Entry Door Room	Mastic for 4" Covebase - Tan	37	42	Ln. Ft.	*Negative
17	Side Entry Door Room	Smooth Plaster Wall - Finishcoat	56	420	Sq. Ft.	Negative
17	Side Entry Door Room	Smooth Plaster Wall - Browncoat	57	420	Sq. Ft.	Negative
17	Side Entry Door Room	Window Caulk - Gray	59	20	Ln. Ft.	Negative
17	Side Entry Door Room	Window Glaze - Black	60	30	Sq. Ft.	Negative
<b>18</b>	<b>Side Entry Office</b>	<b>9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks</b>	<b>3</b>	<b>99</b>	<b>Sq. Ft.</b>	<b>*Positive</b>
18	Side Entry Office	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	99	Sq. Ft.	*Negative
<b>18</b>	<b>Side Entry Office</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1</b>	<b>Total</b>	<b>*Positive</b>
18	Side Entry Office	1' x 1' Ceiling Tile - Dots and Gouges	20	99	Sq. Ft.	*Negative
18	Side Entry Office	Gluepods for 1' x 1' Ceiling Tile - Dots and Gouges	21	99	Sq. Ft.	*Negative
18	Side Entry Office	4" Covebase - Brown	24	20	Ln. Ft.	*Negative
18	Side Entry Office	Mastic for 4" Covebase - Brown	25	20	Ln. Ft.	*Negative
18	Side Entry Office	Concrete	31	99	Sq. Ft.	*Negative
18	Side Entry Office	Smooth Plaster Wall - Finishcoat	56	400	Sq. Ft.	Negative
18	Side Entry Office	Smooth Plaster Wall - Browncoat	57	400	Sq. Ft.	Negative
18	Side Entry Office	Window Caulk - Gray	59	20	Ln. Ft.	Negative
18	Side Entry Office	Window Glaze - Black	60	30	Sq. Ft.	Negative
19	Bedroom 1	Smooth Plaster Ceiling - Finishcoat	16	112	Sq. Ft.	Negative
19	Bedroom 1	Smooth Plaster Ceiling - Browncoat	17	112	Sq. Ft.	Negative
19	Bedroom 1	Concrete	31	112	Sq. Ft.	*Negative
19	Bedroom 1	Carpet Glue - Orange	49	112	Sq. Ft.	Negative
19	Bedroom 1	Smooth Plaster Wall - Finishcoat	56	440	Sq. Ft.	Negative
19	Bedroom 1	Smooth Plaster Wall - Browncoat	57	440	Sq. Ft.	Negative
19	Bedroom 1	Window Caulk - Gray	59	20	Ln. Ft.	Negative
19	Bedroom 1	Window Glaze - Black	60	30	Sq. Ft.	Negative
20	Bedroom 1 Restroom	Smooth Plaster Ceiling - Finishcoat	16	40	Sq. Ft.	Negative
20	Bedroom 1 Restroom	Smooth Plaster Ceiling - Browncoat	17	40	Sq. Ft.	Negative
20	Bedroom 1 Restroom	Concrete	31	40	Sq. Ft.	*Negative

\*Previously Sampled

## Warren Consolidated Schools

Gerald Drive Building  
List by Functional Space

FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
20	Bedroom 1 Restroom	Bathtub Caulk - White	50	20	Ln. Ft.	Negative
20	Bedroom 1 Restroom	Ceramic for Ceramic Floor Tile	52	40	Sq. Ft.	Negative
20	Bedroom 1 Restroom	Grout for Ceramic Floor Tile	53	40	Sq. Ft.	Negative
20	Bedroom 1 Restroom	Ceramic for Ceramic Wall Tile	54	130	Sq. Ft.	Negative
20	Bedroom 1 Restroom	Grout for Ceramic Wall Tile	55	130	Sq. Ft.	Negative
20	Bedroom 1 Restroom	Smooth Plaster Wall - Finishcoat	56	130	Sq. Ft.	Negative
20	Bedroom 1 Restroom	Smooth Plaster Wall - Browncoat	57	130	Sq. Ft.	Negative
21	1st Floor Hallway Restroom	Smooth Plaster Ceiling - Finishcoat	16	25	Sq. Ft.	Negative
21	1st Floor Hallway Restroom	Smooth Plaster Ceiling - Browncoat	17	25	Sq. Ft.	Negative
21	1st Floor Hallway Restroom	Concrete	31	25	Sq. Ft.	*Negative
21	1st Floor Hallway Restroom	Ceramic for Ceramic Floor Tile	52	25	Sq. Ft.	Negative
21	1st Floor Hallway Restroom	Grout for Ceramic Floor Tile	53	25	Sq. Ft.	Negative
21	1st Floor Hallway Restroom	Ceramic for Ceramic Wall Tile	54	50	Sq. Ft.	Negative
21	1st Floor Hallway Restroom	Grout for Ceramic Wall Tile	55	50	Sq. Ft.	Negative
21	1st Floor Hallway Restroom	Smooth Plaster Wall - Finishcoat	56	50	Sq. Ft.	Negative
21	1st Floor Hallway Restroom	Smooth Plaster Wall - Browncoat	57	50	Sq. Ft.	Negative
<b>22</b>	<b>Chapel</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1</b>	<b>Total</b>	<b>*Positive</b>
22	Chapel	Smooth Plaster Ceiling - Finishcoat	16	513	Sq. Ft.	Negative
22	Chapel	Smooth Plaster Ceiling - Browncoat	17	513	Sq. Ft.	Negative
22	Chapel	Concrete	31	513	Sq. Ft.	*Negative
22	Chapel	Carpet Glue - Orange	49	513	Sq. Ft.	Negative
22	Chapel	Smooth Plaster Wall - Finishcoat	56	920	Sq. Ft.	Negative
22	Chapel	Smooth Plaster Wall - Browncoat	57	920	Sq. Ft.	Negative
22	Chapel	Window Caulk - Gray	59	20	Ln. Ft.	Negative
22	Chapel	Window Glaze - Black	60	30	Sq. Ft.	Negative
23	Main Hallway Closet	1' x 1' Ceiling Tile - Dots and Gouges	20	9	Sq. Ft.	*Negative
23	Main Hallway Closet	Gluepods for 1' x 1' Ceiling Tile - Dots and Gouges	21	9	Sq. Ft.	*Negative
23	Main Hallway Closet	Concrete	31	9	Sq. Ft.	*Negative
23	Main Hallway Closet	Smooth Plaster Wall - Finishcoat	56	120	Sq. Ft.	Negative
23	Main Hallway Closet	Smooth Plaster Wall - Browncoat	57	120	Sq. Ft.	Negative
<b>24</b>	<b>1st Floor Main Restroom</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1</b>	<b>Total</b>	<b>*Positive</b>
24	1st Floor Main Restroom	Smooth Plaster Ceiling - Finishcoat	16	126	Sq. Ft.	Negative
24	1st Floor Main Restroom	Smooth Plaster Ceiling - Browncoat	17	126	Sq. Ft.	Negative
24	1st Floor Main Restroom	Concrete	31	126	Sq. Ft.	*Negative
24	1st Floor Main Restroom	Ceramic for Ceramic Floor Tile	52	126	Sq. Ft.	Negative
24	1st Floor Main Restroom	Grout for Ceramic Floor Tile	53	126	Sq. Ft.	Negative

\*Previously Sampled

**Warren Consolidated Schools**

Gerald Drive Building  
List by Functional Space

<b>FS#</b>	<b>FS Description</b>	<b>Homogeneous Area Description</b>	<b>HA#</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>
24	1st Floor Main Restroom	Ceramic for Ceramic Wall Tile	54	230	Sq. Ft.	Negative
24	1st Floor Main Restroom	Grout for Ceramic Wall Tile	55	230	Sq. Ft.	Negative
24	1st Floor Main Restroom	Smooth Plaster Wall - Finishcoat	56	130	Sq. Ft.	Negative
24	1st Floor Main Restroom	Smooth Plaster Wall - Browncoat	57	130	Sq. Ft.	Negative
24	1st Floor Main Restroom	Window Caulk - Gray	59	10	Ln. Ft.	Negative
24	1st Floor Main Restroom	Window Glaze - Black	60	10	Sq. Ft.	Negative
25	Cleaning Supply Room	Smooth Plaster Ceiling - Finishcoat	16	24	Sq. Ft.	Negative
25	Cleaning Supply Room	Smooth Plaster Ceiling - Browncoat	17	24	Sq. Ft.	Negative
25	Cleaning Supply Room	4" Covebase - Brown	24	22	Ln. Ft.	*Negative
25	Cleaning Supply Room	Mastic for 4" Covebase - Brown	25	22	Ln. Ft.	*Negative
25	Cleaning Supply Room	Concrete	31	24	Sq. Ft.	*Negative
25	Cleaning Supply Room	Smooth Plaster Wall - Finishcoat	56	220	Sq. Ft.	Negative
25	Cleaning Supply Room	Smooth Plaster Wall - Browncoat	57	220	Sq. Ft.	Negative
<b>25</b>	<b>Cleaning Supply Room</b>	<b>Marble Linoleum - Brown Stone Pattern</b>	<b>61</b>	<b>24</b>	<b>Sq. Ft.</b>	<b>Positive</b>
<b>25</b>	<b>Cleaning Supply Room</b>	<b>Mastic for Marble Linoleum - Brown Stone Pattern</b>	<b>62</b>	<b>24</b>	<b>Sq. Ft.</b>	<b>Inseparable</b>
<b>26</b>	<b>Locker Room</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>2</b>	<b>Total</b>	<b>*Positive</b>
26	Locker Room	Smooth Plaster Ceiling - Finishcoat	16	88	Sq. Ft.	Negative
26	Locker Room	Smooth Plaster Ceiling - Browncoat	17	88	Sq. Ft.	Negative
26	Locker Room	4" Covebase - Brown	24	2	Ln. Ft.	*Negative
26	Locker Room	Mastic for 4" Covebase - Brown	25	2	Ln. Ft.	*Negative
26	Locker Room	Concrete	31	88	Sq. Ft.	*Negative
26	Locker Room	Smooth Plaster Wall - Finishcoat	56	380	Sq. Ft.	Negative
26	Locker Room	Smooth Plaster Wall - Browncoat	57	380	Sq. Ft.	Negative
26	Locker Room	Window Caulk - Gray	59	10	Ln. Ft.	Negative
26	Locker Room	Window Glaze - Black	60	10	Sq. Ft.	Negative
<b>26</b>	<b>Locker Room</b>	<b>Marble Linoleum - Brown Stone Pattern</b>	<b>61</b>	<b>88</b>	<b>Sq. Ft.</b>	<b>Positive</b>
<b>26</b>	<b>Locker Room</b>	<b>Mastic for Marble Linoleum - Brown Stone Pattern</b>	<b>62</b>	<b>88</b>	<b>Sq. Ft.</b>	<b>Inseparable</b>
<b>27</b>	<b>1st Floor Hallway</b>	<b>9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks</b>	<b>3</b>	<b>10</b>	<b>Sq. Ft.</b>	<b>*Positive</b>
27	1st Floor Hallway	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	10	Sq. Ft.	*Negative
<b>27</b>	<b>1st Floor Hallway</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>6</b>	<b>Total</b>	<b>*Positive</b>
27	1st Floor Hallway	Smooth Plaster Ceiling - Finishcoat	16	390	Sq. Ft.	Negative
27	1st Floor Hallway	Smooth Plaster Ceiling - Browncoat	17	390	Sq. Ft.	Negative
27	1st Floor Hallway	Concrete	31	390	Sq. Ft.	*Negative
27	1st Floor Hallway	Carpet Glue - Orange	49	390	Sq. Ft.	Negative
27	1st Floor Hallway	Smooth Plaster Wall - Finishcoat	56	1,660	Sq. Ft.	Negative
27	1st Floor Hallway	Smooth Plaster Wall - Browncoat	57	1,660	Sq. Ft.	Negative

\*Previously Sampled



## Warren Consolidated Schools

Gerald Drive Building  
List by Functional Space

FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
<b>27.1</b>	<b>E 1st/2nd Floor Stairwell Lobby</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>2 Total</b>		<b>*Positive</b>
27.1	E 1st/2nd Floor Stairwell Lobby	Smooth Plaster Ceiling - Finishcoat	16	112 Sq. Ft.		Negative
27.1	E 1st/2nd Floor Stairwell Lobby	Smooth Plaster Ceiling - Browncoat	17	112 Sq. Ft.		Negative
27.1	E 1st/2nd Floor Stairwell Lobby	Concrete	31	112 Sq. Ft.		*Negative
27.1	E 1st/2nd Floor Stairwell Lobby	Carpet Glue - Orange	49	112 Sq. Ft.		Negative
27.1	E 1st/2nd Floor Stairwell Lobby	Smooth Plaster Wall - Finishcoat	56	440 Sq. Ft.		Negative
27.1	E 1st/2nd Floor Stairwell Lobby	Smooth Plaster Wall - Browncoat	57	440 Sq. Ft.		Negative
27.1	E 1st/2nd Floor Stairwell Lobby	Door Caulk - Cream	58	4 Ln. Ft.		Negative
<b>28</b>	<b>W Stairwell</b>	<b>9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks</b>	<b>3</b>	<b>35 Sq. Ft.</b>		<b>*Positive</b>
28	W Stairwell	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	35 Sq. Ft.		*Negative
<b>28</b>	<b>W Stairwell</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>2 Total</b>		<b>*Positive</b>
28	W Stairwell	Smooth Plaster Ceiling - Finishcoat	16	448 Sq. Ft.		Negative
28	W Stairwell	Smooth Plaster Ceiling - Browncoat	17	448 Sq. Ft.		Negative
28	W Stairwell	Concrete	31	448 Sq. Ft.		*Negative
28	W Stairwell	Stair Tread - Brown	32	60 Sq. Ft.		*Negative
28	W Stairwell	Mastic for Stair Tread - Brown	33	60 Sq. Ft.		*Negative
28	W Stairwell	6" Covebase - Brown	38	60 Ln. Ft.		*Negative
28	W Stairwell	Mastic for 6" Covebase - Brown	39	60 Ln. Ft.		*Negative
28	W Stairwell	Window Caulk - Gray	59	20 Ln. Ft.		Negative
28	W Stairwell	Window Glaze - Black	60	30 Sq. Ft.		Negative
<b>29</b>	<b>Upstairs Storage</b>	<b>9" x 9" Floor Tile - White w/ Black Streaks</b>	<b>5</b>	<b>112 Sq. Ft.</b>		<b>*Positive</b>
29	Upstairs Storage	Mastic for 9" x 9" Floor Tile - White w/ Black Streaks	6	112 Sq. Ft.		*Negative
<b>29</b>	<b>Upstairs Storage</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1 Total</b>		<b>*Positive</b>
29	Upstairs Storage	Smooth Plaster Ceiling - Finishcoat	16	112 Sq. Ft.		Negative
29	Upstairs Storage	Smooth Plaster Ceiling - Browncoat	17	112 Sq. Ft.		Negative
29	Upstairs Storage	4" Covebase - Black	27	46 Ln. Ft.		*Negative
29	Upstairs Storage	Mastic for 4" Covebase - Black	28	46 Ln. Ft.		*Negative
29	Upstairs Storage	Concrete	31	112 Sq. Ft.		*Negative
29	Upstairs Storage	Smooth Plaster Wall - Finishcoat	56	460 Sq. Ft.		Negative
29	Upstairs Storage	Smooth Plaster Wall - Browncoat	57	460 Sq. Ft.		Negative
<b>30</b>	<b>2nd Floor Cleaning Supply Closet</b>	<b>9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks</b>	<b>3</b>	<b>20 Sq. Ft.</b>		<b>*Positive</b>
30	2nd Floor Cleaning Supply Closet	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	20 Sq. Ft.		*Negative
30	2nd Floor Cleaning Supply Closet	Smooth Plaster Ceiling - Finishcoat	16	20 Sq. Ft.		Negative
30	2nd Floor Cleaning Supply Closet	Smooth Plaster Ceiling - Browncoat	17	20 Sq. Ft.		Negative
30	2nd Floor Cleaning Supply Closet	4" Covebase - Black	27	18 Ln. Ft.		*Negative
30	2nd Floor Cleaning Supply Closet	Mastic for 4" Covebase - Black	28	18 Ln. Ft.		*Negative

\*Previously Sampled

## Warren Consolidated Schools

Gerald Drive Building  
List by Functional Space

FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
30	2nd Floor Cleaning Supply Closet	Concrete	31	20	Sq. Ft.	*Negative
30	2nd Floor Cleaning Supply Closet	Smooth Plaster Wall - Finishcoat	56	180	Sq. Ft.	Negative
30	2nd Floor Cleaning Supply Closet	Smooth Plaster Wall - Browncoat	57	180	Sq. Ft.	Negative
<b>31</b>	<b>2nd Floor Restroom/Shower Room</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>3</b>	<b>Total</b>	<b>*Positive</b>
31	2nd Floor Restroom/Shower Room	Smooth Plaster Ceiling - Finishcoat	16	252	Sq. Ft.	Negative
31	2nd Floor Restroom/Shower Room	Smooth Plaster Ceiling - Browncoat	17	252	Sq. Ft.	Negative
31	2nd Floor Restroom/Shower Room	Concrete	31	252	Sq. Ft.	*Negative
31	2nd Floor Restroom/Shower Room	Bathtub Caulk - White	50	20	Ln. Ft.	Negative
31	2nd Floor Restroom/Shower Room	Ceramic for Ceramic Floor Tile	52	252	Sq. Ft.	Negative
31	2nd Floor Restroom/Shower Room	Grout for Ceramic Floor Tile	53	252	Sq. Ft.	Negative
31	2nd Floor Restroom/Shower Room	Ceramic for Ceramic Wall Tile	54	320	Sq. Ft.	Negative
31	2nd Floor Restroom/Shower Room	Grout for Ceramic Wall Tile	55	320	Sq. Ft.	Negative
31	2nd Floor Restroom/Shower Room	Smooth Plaster Wall - Finishcoat	56	320	Sq. Ft.	Negative
31	2nd Floor Restroom/Shower Room	Smooth Plaster Wall - Browncoat	57	320	Sq. Ft.	Negative
<b>32</b>	<b>Room 5</b>	<b>9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks</b>	<b>3</b>	<b>126</b>	<b>Sq. Ft.</b>	<b>*Positive</b>
32	Room 5	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	126	Sq. Ft.	*Negative
<b>32</b>	<b>Room 5</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1</b>	<b>Total</b>	<b>*Positive</b>
32	Room 5	Smooth Plaster Ceiling - Finishcoat	16	126	Sq. Ft.	Negative
32	Room 5	Smooth Plaster Ceiling - Browncoat	17	126	Sq. Ft.	Negative
32	Room 5	4" Covebase - Black	27	46	Ln. Ft.	*Negative
32	Room 5	Mastic for 4" Covebase - Black	28	46	Ln. Ft.	*Negative
32	Room 5	Concrete	31	126	Sq. Ft.	*Negative
32	Room 5	Smooth Plaster Wall - Finishcoat	56	460	Sq. Ft.	Negative
32	Room 5	Smooth Plaster Wall - Browncoat	57	460	Sq. Ft.	Negative
32	Room 5	Window Caulk - Gray	59	20	Ln. Ft.	Negative
32	Room 5	Window Glaze - Black	60	30	Sq. Ft.	Negative
<b>33</b>	<b>Room 3</b>	<b>9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks</b>	<b>3</b>	<b>126</b>	<b>Sq. Ft.</b>	<b>*Positive</b>
33	Room 3	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	126	Sq. Ft.	*Negative
<b>33</b>	<b>Room 3</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1</b>	<b>Total</b>	<b>*Positive</b>
33	Room 3	Smooth Plaster Ceiling - Finishcoat	16	126	Sq. Ft.	Negative
33	Room 3	Smooth Plaster Ceiling - Browncoat	17	126	Sq. Ft.	Negative
33	Room 3	4" Covebase - Black	27	46	Ln. Ft.	*Negative
33	Room 3	Mastic for 4" Covebase - Black	28	46	Ln. Ft.	*Negative
33	Room 3	Concrete	31	126	Sq. Ft.	*Negative
33	Room 3	Carpet Glue - Orange	49	126	Sq. Ft.	Negative
33	Room 3	Smooth Plaster Wall - Finishcoat	56	460	Sq. Ft.	Negative

\*Previously Sampled

## Warren Consolidated Schools

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FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
33	Room 3	Smooth Plaster Wall - Browncoat	57	460	Sq. Ft.	Negative
33	Room 3	Window Caulk - Gray	59	20	Ln. Ft.	Negative
33	Room 3	Window Glaze - Black	60	30	Sq. Ft.	Negative
<b>34</b>	<b>Coat Closet</b>	<b>9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks</b>	<b>3</b>	<b>12</b>	<b>Sq. Ft.</b>	<b>*Positive</b>
34	Coat Closet	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	12	Sq. Ft.	*Negative
34	Coat Closet	Smooth Plaster Ceiling - Finishcoat	16	12	Sq. Ft.	Negative
34	Coat Closet	Smooth Plaster Ceiling - Browncoat	17	12	Sq. Ft.	Negative
34	Coat Closet	4" Covebase - Black	27	14	Ln. Ft.	*Negative
34	Coat Closet	Mastic for 4" Covebase - Black	28	14	Ln. Ft.	*Negative
34	Coat Closet	Concrete	31	12	Sq. Ft.	*Negative
<b>34</b>	<b>Coat Closet</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20</b>	<b>Ln. Ft.</b>	<b>Positive</b>
34	Coat Closet	Smooth Plaster Wall - Finishcoat	56	140	Sq. Ft.	Negative
34	Coat Closet	Smooth Plaster Wall - Browncoat	57	140	Sq. Ft.	Negative
<b>35</b>	<b>Room 1</b>	<b>9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks</b>	<b>3</b>	<b>126</b>	<b>Sq. Ft.</b>	<b>*Positive</b>
35	Room 1	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	126	Sq. Ft.	*Negative
<b>35</b>	<b>Room 1</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1</b>	<b>Total</b>	<b>*Positive</b>
35	Room 1	Smooth Plaster Ceiling - Finishcoat	16	126	Sq. Ft.	Negative
35	Room 1	Smooth Plaster Ceiling - Browncoat	17	126	Sq. Ft.	Negative
35	Room 1	4" Covebase - Black	27	46	Ln. Ft.	*Negative
35	Room 1	Mastic for 4" Covebase - Black	28	46	Ln. Ft.	*Negative
35	Room 1	Concrete	31	126	Sq. Ft.	*Negative
35	Room 1	Smooth Plaster Wall - Finishcoat	56	460	Sq. Ft.	Negative
35	Room 1	Smooth Plaster Wall - Browncoat	57	460	Sq. Ft.	Negative
35	Room 1	Window Caulk - Gray	59	20	Ln. Ft.	Negative
35	Room 1	Window Glaze - Black	60	30	Sq. Ft.	Negative
<b>36</b>	<b>Room 2</b>	<b>9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks</b>	<b>3</b>	<b>126</b>	<b>Sq. Ft.</b>	<b>*Positive</b>
36	Room 2	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	126	Sq. Ft.	*Negative
<b>36</b>	<b>Room 2</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1</b>	<b>Total</b>	<b>*Positive</b>
36	Room 2	Smooth Plaster Ceiling - Finishcoat	16	126	Sq. Ft.	Negative
36	Room 2	Smooth Plaster Ceiling - Browncoat	17	126	Sq. Ft.	Negative
36	Room 2	4" Covebase - Black	27	46	Ln. Ft.	*Negative
36	Room 2	Mastic for 4" Covebase - Black	28	46	Ln. Ft.	*Negative
36	Room 2	Concrete	31	126	Sq. Ft.	*Negative
36	Room 2	Carpet Glue - Orange	49	126	Sq. Ft.	Negative
36	Room 2	Smooth Plaster Wall - Finishcoat	56	460	Sq. Ft.	Negative
36	Room 2	Smooth Plaster Wall - Browncoat	57	460	Sq. Ft.	Negative

\*Previously Sampled

## Warren Consolidated Schools

Gerald Drive Building  
List by Functional Space

FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
36	Room 2	Window Caulk - Gray	59	20	Ln. Ft.	Negative
36	Room 2	Window Glaze - Black	60	30	Sq. Ft.	Negative
<b>37</b>	<b>Room 4</b>	<b>9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks</b>	<b>3</b>	<b>126</b>	<b>Sq. Ft.</b>	<b>*Positive</b>
37	Room 4	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	126	Sq. Ft.	*Negative
<b>37</b>	<b>Room 4</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1</b>	<b>Total</b>	<b>*Positive</b>
37	Room 4	Smooth Plaster Ceiling - Finishcoat	16	126	Sq. Ft.	Negative
37	Room 4	Smooth Plaster Ceiling - Browncoat	17	126	Sq. Ft.	Negative
37	Room 4	4" Covebase - Black	27	46	Ln. Ft.	*Negative
37	Room 4	Mastic for 4" Covebase - Black	28	46	Ln. Ft.	*Negative
37	Room 4	Concrete	31	126	Sq. Ft.	*Negative
37	Room 4	Smooth Plaster Wall - Finishcoat	56	460	Sq. Ft.	Negative
37	Room 4	Smooth Plaster Wall - Browncoat	57	460	Sq. Ft.	Negative
37	Room 4	Window Caulk - Gray	59	20	Ln. Ft.	Negative
37	Room 4	Window Glaze - Black	60	30	Sq. Ft.	Negative
<b>38</b>	<b>Room 6</b>	<b>9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks</b>	<b>3</b>	<b>126</b>	<b>Sq. Ft.</b>	<b>*Positive</b>
38	Room 6	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	126	Sq. Ft.	*Negative
<b>38</b>	<b>Room 6</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1</b>	<b>Total</b>	<b>*Positive</b>
38	Room 6	Smooth Plaster Ceiling - Finishcoat	16	126	Sq. Ft.	Negative
38	Room 6	Smooth Plaster Ceiling - Browncoat	17	126	Sq. Ft.	Negative
38	Room 6	4" Covebase - Black	27	46	Ln. Ft.	*Negative
38	Room 6	Mastic for 4" Covebase - Black	28	46	Ln. Ft.	*Negative
38	Room 6	Concrete	31	126	Sq. Ft.	*Negative
38	Room 6	Smooth Plaster Wall - Finishcoat	56	460	Sq. Ft.	Negative
38	Room 6	Smooth Plaster Wall - Browncoat	57	460	Sq. Ft.	Negative
38	Room 6	Window Caulk - Gray	59	20	Ln. Ft.	Negative
38	Room 6	Window Glaze - Black	60	30	Sq. Ft.	Negative
<b>39</b>	<b>Room 7</b>	<b>9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks</b>	<b>3</b>	<b>126</b>	<b>Sq. Ft.</b>	<b>*Positive</b>
39	Room 7	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	126	Sq. Ft.	*Negative
<b>39</b>	<b>Room 7</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1</b>	<b>Total</b>	<b>*Positive</b>
39	Room 7	Smooth Plaster Ceiling - Finishcoat	16	126	Sq. Ft.	Negative
39	Room 7	Smooth Plaster Ceiling - Browncoat	17	126	Sq. Ft.	Negative
39	Room 7	4" Covebase - Black	27	46	Ln. Ft.	*Negative
39	Room 7	Mastic for 4" Covebase - Black	28	46	Ln. Ft.	*Negative
39	Room 7	Concrete	31	126	Sq. Ft.	*Negative
39	Room 7	Carpet Glue - Orange	49	126	Sq. Ft.	Negative
39	Room 7	Smooth Plaster Wall - Finishcoat	56	460	Sq. Ft.	Negative

\*Previously Sampled

## Warren Consolidated Schools

Gerald Drive Building  
List by Functional Space

FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
39	Room 7	Smooth Plaster Wall - Browncoat	57	460	Sq. Ft.	Negative
39	Room 7	Window Caulk - Gray	59	20	Ln. Ft.	Negative
39	Room 7	Window Glaze - Black	60	30	Sq. Ft.	Negative
<b>40</b>	<b>Room 8</b>	<b>9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks</b>	<b>3</b>	<b>140</b>	<b>Sq. Ft.</b>	<b>*Positive</b>
40	Room 8	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	140	Sq. Ft.	*Negative
40	Room 8	Smooth Plaster Ceiling - Finishcoat	16	140	Sq. Ft.	Negative
40	Room 8	Smooth Plaster Ceiling - Browncoat	17	140	Sq. Ft.	Negative
40	Room 8	4" Covebase - Brown	24	48	Ln. Ft.	*Negative
40	Room 8	Mastic for 4" Covebase - Brown	25	48	Ln. Ft.	*Negative
40	Room 8	Concrete	31	140	Sq. Ft.	*Negative
<b>40</b>	<b>Room 8</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>10</b>	<b>Ln. Ft.</b>	<b>Positive</b>
40	Room 8	Smooth Plaster Wall - Finishcoat	56	480	Sq. Ft.	Negative
40	Room 8	Smooth Plaster Wall - Browncoat	57	480	Sq. Ft.	Negative
40	Room 8	Window Caulk - Gray	59	10	Ln. Ft.	Negative
<b>41</b>	<b>Clothing Storage</b>	<b>9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks</b>	<b>3</b>	<b>80</b>	<b>Sq. Ft.</b>	<b>*Positive</b>
41	Clothing Storage	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	80	Sq. Ft.	*Negative
<b>41</b>	<b>Clothing Storage</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1</b>	<b>Total</b>	<b>*Positive</b>
41	Clothing Storage	Smooth Plaster Ceiling - Finishcoat	16	80	Sq. Ft.	Negative
41	Clothing Storage	Smooth Plaster Ceiling - Browncoat	17	80	Sq. Ft.	Negative
41	Clothing Storage	4" Covebase - Brown	24	10	Ln. Ft.	*Negative
41	Clothing Storage	Mastic for 4" Covebase - Brown	25	10	Ln. Ft.	*Negative
41	Clothing Storage	Concrete	31	80	Sq. Ft.	*Negative
41	Clothing Storage	Smooth Plaster Wall - Finishcoat	56	360	Sq. Ft.	Negative
41	Clothing Storage	Smooth Plaster Wall - Browncoat	57	360	Sq. Ft.	Negative
41	Clothing Storage	Window Caulk - Gray	59	20	Ln. Ft.	Negative
<b>41.1</b>	<b>2nd Floor W Restroom</b>	<b>9" x 9" Floor Tile - Light Brown w/ Dark Brown Streaks</b>	<b>1</b>	<b>32</b>	<b>Sq. Ft.</b>	<b>*Positive</b>
<b>41.1</b>	<b>2nd Floor W Restroom</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1</b>	<b>Total</b>	<b>*Positive</b>
41.1	2nd Floor W Restroom	Smooth Plaster Ceiling - Finishcoat	16	32	Sq. Ft.	Negative
41.1	2nd Floor W Restroom	Smooth Plaster Ceiling - Browncoat	17	32	Sq. Ft.	Negative
41.1	2nd Floor W Restroom	Bathtub Caulk - White	50	20	Ln. Ft.	Negative
41.1	2nd Floor W Restroom	Ceramic for Ceramic Floor Tile	52	32	Sq. Ft.	Negative
41.1	2nd Floor W Restroom	Grout for Ceramic Floor Tile	53	32	Sq. Ft.	Negative
41.1	2nd Floor W Restroom	Ceramic for Ceramic Wall Tile	54	120	Sq. Ft.	Negative
41.1	2nd Floor W Restroom	Grout for Ceramic Wall Tile	55	120	Sq. Ft.	Negative
41.1	2nd Floor W Restroom	Smooth Plaster Wall - Finishcoat	56	120	Sq. Ft.	Negative
41.1	2nd Floor W Restroom	Smooth Plaster Wall - Browncoat	57	120	Sq. Ft.	Negative

\*Previously Sampled

## Warren Consolidated Schools

Gerald Drive Building  
List by Functional Space

FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
<b>42</b>	<b>Room 9</b>	<b>9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks</b>	<b>3</b>	<b>126 Sq. Ft.</b>		<b>*Positive</b>
42	Room 9	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	126 Sq. Ft.		*Negative
<b>42</b>	<b>Room 9</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1 Total</b>		<b>*Positive</b>
42	Room 9	Smooth Plaster Ceiling - Finishcoat	16	126 Sq. Ft.		Negative
42	Room 9	Smooth Plaster Ceiling - Browncoat	17	126 Sq. Ft.		Negative
42	Room 9	Concrete	31	126 Sq. Ft.		*Negative
42	Room 9	Carpet Glue - Orange	49	126 Sq. Ft.		Negative
42	Room 9	Smooth Plaster Wall - Finishcoat	56	460 Sq. Ft.		Negative
42	Room 9	Smooth Plaster Wall - Browncoat	57	460 Sq. Ft.		Negative
42	Room 9	Window Caulk - Gray	59	20 Ln. Ft.		Negative
42	Room 9	Window Glaze - Black	60	30 Sq. Ft.		Negative
<b>43</b>	<b>Room 10</b>	<b>9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks</b>	<b>3</b>	<b>126 Sq. Ft.</b>		<b>*Positive</b>
43	Room 10	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	126 Sq. Ft.		*Negative
<b>43</b>	<b>Room 10</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1 Total</b>		<b>*Positive</b>
43	Room 10	Smooth Plaster Ceiling - Finishcoat	16	126 Sq. Ft.		Negative
43	Room 10	Smooth Plaster Ceiling - Browncoat	17	126 Sq. Ft.		Negative
43	Room 10	Concrete	31	126 Sq. Ft.		*Negative
43	Room 10	Carpet Glue - Orange	49	126 Sq. Ft.		Negative
43	Room 10	Smooth Plaster Wall - Finishcoat	56	460 Sq. Ft.		Negative
43	Room 10	Smooth Plaster Wall - Browncoat	57	460 Sq. Ft.		Negative
43	Room 10	Window Caulk - Gray	59	20 Ln. Ft.		Negative
43	Room 10	Window Glaze - Black	60	30 Sq. Ft.		Negative
<b>44</b>	<b>Linen Closet</b>	<b>9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks</b>	<b>3</b>	<b>16 Sq. Ft.</b>		<b>*Positive</b>
44	Linen Closet	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	16 Sq. Ft.		*Negative
44	Linen Closet	Smooth Plaster Ceiling - Finishcoat	16	16 Sq. Ft.		Negative
44	Linen Closet	Smooth Plaster Ceiling - Browncoat	17	16 Sq. Ft.		Negative
44	Linen Closet	4" Covebase - Black	27	12 Ln. Ft.		*Negative
44	Linen Closet	Mastic for 4" Covebase - Black	28	12 Ln. Ft.		*Negative
44	Linen Closet	Concrete	31	16 Sq. Ft.		*Negative
44	Linen Closet	Smooth Plaster Wall - Finishcoat	56	120 Sq. Ft.		Negative
44	Linen Closet	Smooth Plaster Wall - Browncoat	57	120 Sq. Ft.		Negative
<b>45</b>	<b>2nd Floor Hallway</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>8 Total</b>		<b>*Positive</b>
45	2nd Floor Hallway	Smooth Plaster Ceiling - Finishcoat	16	390 Sq. Ft.		Negative
45	2nd Floor Hallway	Smooth Plaster Ceiling - Browncoat	17	390 Sq. Ft.		Negative
45	2nd Floor Hallway	Concrete	31	390 Sq. Ft.		*Negative
45	2nd Floor Hallway	Carpet Glue - Orange	49	390 Sq. Ft.		Negative

\*Previously Sampled

**Warren Consolidated Schools**

Gerald Drive Building  
List by Functional Space

<b>FS#</b>	<b>FS Description</b>	<b>Homogeneous Area Description</b>	<b>HA#</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>
45	2nd Floor Hallway	Smooth Plaster Wall - Finishcoat	56	1,660	Sq. Ft.	Negative
45	2nd Floor Hallway	Smooth Plaster Wall - Browncoat	57	1,660	Sq. Ft.	Negative
45	2nd Floor Hallway	Window Caulk - Gray	59	40	Ln. Ft.	Negative
45	2nd Floor Hallway	Window Glaze - Black	60	60	Sq. Ft.	Negative
<b>46</b>	<b>2nd/1st Floor E Stairwell</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1 Total</b>		<b>*Positive</b>
46	2nd/1st Floor E Stairwell	Smooth Plaster Ceiling - Finishcoat	16	192	Sq. Ft.	Negative
46	2nd/1st Floor E Stairwell	Smooth Plaster Ceiling - Browncoat	17	192	Sq. Ft.	Negative
46	2nd/1st Floor E Stairwell	Concrete	31	192	Sq. Ft.	*Negative
46	2nd/1st Floor E Stairwell	Carpet Glue - Orange	49	192	Sq. Ft.	Negative
46	2nd/1st Floor E Stairwell	Smooth Plaster Wall - Finishcoat	56	640	Sq. Ft.	Negative
46	2nd/1st Floor E Stairwell	Smooth Plaster Wall - Browncoat	57	640	Sq. Ft.	Negative
46	2nd/1st Floor E Stairwell	Window Caulk - Gray	59	20	Ln. Ft.	Negative
46	2nd/1st Floor E Stairwell	Window Glaze - Black	60	30	Sq. Ft.	Negative
47	Exterior	Exterior Brick	41	2,200	Sq. Ft.	Negative
47	Exterior	Exterior Brick Mortar	42	2,200	Sq. Ft.	Negative
47	Exterior	Exterior Brick - Blue	63	300	Sq. Ft.	Negative
47	Exterior	Exterior Mortar for Brick - Blue	64	300	Sq. Ft.	Negative
47	Exterior	Exterior Vapor Barrier - Green	65	600	Sq. Ft.	Negative
<b>47</b>	<b>Exterior</b>	<b>Exterior Door Caulk - Gray</b>	<b>66</b>	<b>40 Ln. Ft.</b>		<b>Positive</b>
47	Exterior	Exterior Window Glaze - Black	67	750	Sq. Ft.	Negative
<b>47</b>	<b>Exterior</b>	<b>Exterior Exhaust Vent Caulk - White</b>	<b>68</b>	<b>50 Ln. Ft.</b>		<b>Positive</b>
47	Exterior	Exterior Stone Window Sill	69	125	Sq. Ft.	Negative
<b>47</b>	<b>Exterior</b>	<b>Exterior Window Caulk - Gray</b>	<b>70</b>	<b>40 Ln. Ft.</b>		<b>Positive</b>
<b>47</b>	<b>Exterior</b>	<b>Exterior Door Caulk - White</b>	<b>71</b>	<b>20 Ln. Ft.</b>		<b>Positive</b>
47	Exterior	Exterior Vapor Barrier - Black	72	2,200	Sq. Ft.	Negative
47	Exterior	Exterior Metal Overhang Caulk - White	73	50	Ln. Ft.	Negative
47	Exterior	Exterior Window Caulk - White	74	500	Ln. Ft.	Negative
<b>47</b>	<b>Exterior</b>	<b>Exterior Roof Flashing Caulk - White</b>	<b>75</b>	<b>250 Ln. Ft.</b>		<b>Positive</b>
<b>47</b>	<b>Exterior</b>	<b>Exterior Roof Flashing Caulk - Gray</b>	<b>76</b>	<b>20 Ln. Ft.</b>		<b>Positive</b>
47	Exterior	Exterior Roof Shingle	77	2,400	Sq. Ft.	Negative
47	Exterior	Exterior Roof Vent Caulk - Black	78	5	Ln. Ft.	Negative
47	Exterior	Exterior Built up Roof - Black	79	110	Sq. Ft.	Negative
<b>47</b>	<b>Exterior</b>	<b>Exterior Pipe Caulk - Gray</b>	<b>80</b>	<b>9 Ln. Ft.</b>		<b>Positive</b>
47	Exterior	Exterior Built up Roof Flashing	81	200	Sq. Ft.	Negative
47	Exterior	Exterior Built up Roof - North	82	55	Sq. Ft.	Negative
<b>47</b>	<b>Exterior</b>	<b>Exterior Roof Chimney Flashing</b>	<b>83</b>	<b>10 Sq. Ft.</b>		<b>Positive</b>

\*Previously Sampled

**Warren Consolidated Schools**

Gerald Drive Building  
List by Functional Space

<b>FS#</b>	<b>FS Description</b>	<b>Homogeneous Area Description</b>	<b>HA#</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>
47	Exterior	Exterior Overhang Caulk - Old Cream	84	20	Ln. Ft.	Positive
47	Exterior	Exterior Overhang Caulk - Cream	85	30	Sq. Ft.	Negative
47	Exterior	Exterior 2nd Layer Shingle - Green	86		Sq. Ft.	Negative
47	Exterior	Exterior 3rd Layer Shingle - Brown	87		Sq. Ft.	Negative
47	Exterior	Exterior 4th Layer Shingle - Brown	88		Sq. Ft.	Negative
47	Exterior	Exterior Roof Felt Layer (Bottom)	89		Sq. Ft.	Negative



## Warren Consolidated Schools

Gerald Drive Building  
List by Homogeneous Area

FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
5	Washroom Storage	9" x 9" Floor Tile - Light Brown w/ Dark Brown Streaks	1	117	Sq. Ft.	*Positive
8	Shuffleboard Room	9" x 9" Floor Tile - Light Brown w/ Dark Brown Streaks	1	20	Sq. Ft.	*Positive
10	Basement Common Room	9" x 9" Floor Tile - Light Brown w/ Dark Brown Streaks	1	260	Sq. Ft.	*Positive
41.1	2nd Floor W Restroom	9" x 9" Floor Tile - Light Brown w/ Dark Brown Streaks	1	32	Sq. Ft.	*Positive
5	Washroom Storage	Mastic for 9" x 9" Floor Tile - Light Brown w/ Dark Brown Streaks	2	117	Sq. Ft.	*Positive
8	Shuffleboard Room	Mastic for 9" x 9" Floor Tile - Light Brown w/ Dark Brown Streaks	2	20	Sq. Ft.	*Positive
10	Basement Common Room	Mastic for 9" x 9" Floor Tile - Light Brown w/ Dark Brown Streaks	2	260	Sq. Ft.	*Positive
8	Shuffleboard Room	9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	3	396	Sq. Ft.	*Positive
18	Side Entry Office	9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	3	99	Sq. Ft.	*Positive
27	1st Floor Hallway	9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	3	10	Sq. Ft.	*Positive
28	W Stairwell	9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	3	35	Sq. Ft.	*Positive
30	2nd Floor Cleaning Supply Closet	9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	3	20	Sq. Ft.	*Positive
32	Room 5	9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	3	126	Sq. Ft.	*Positive
33	Room 3	9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	3	126	Sq. Ft.	*Positive
34	Coat Closet	9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	3	12	Sq. Ft.	*Positive
35	Room 1	9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	3	126	Sq. Ft.	*Positive
36	Room 2	9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	3	126	Sq. Ft.	*Positive
37	Room 4	9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	3	126	Sq. Ft.	*Positive
38	Room 6	9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	3	126	Sq. Ft.	*Positive
39	Room 7	9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	3	126	Sq. Ft.	*Positive
40	Room 8	9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	3	140	Sq. Ft.	*Positive
41	Clothing Storage	9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	3	80	Sq. Ft.	*Positive
42	Room 9	9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	3	126	Sq. Ft.	*Positive
43	Room 10	9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	3	126	Sq. Ft.	*Positive
44	Linen Closet	9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	3	16	Sq. Ft.	*Positive
8	Shuffleboard Room	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	396	Sq. Ft.	*Negative
18	Side Entry Office	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	99	Sq. Ft.	*Negative
27	1st Floor Hallway	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	10	Sq. Ft.	*Negative
28	W Stairwell	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	35	Sq. Ft.	*Negative
30	2nd Floor Cleaning Supply Closet	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	20	Sq. Ft.	*Negative
32	Room 5	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	126	Sq. Ft.	*Negative
33	Room 3	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	126	Sq. Ft.	*Negative
34	Coat Closet	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	12	Sq. Ft.	*Negative
35	Room 1	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	126	Sq. Ft.	*Negative
36	Room 2	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	126	Sq. Ft.	*Negative
37	Room 4	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	126	Sq. Ft.	*Negative

\*Previously Sampled

**Warren Consolidated Schools**

Gerald Drive Building  
List by Homogeneous Area

<b>FS#</b>	<b>FS Description</b>	<b>Homogeneous Area Description</b>	<b>HA#</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>
38	Room 6	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	126 Sq. Ft.		*Negative
39	Room 7	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	126 Sq. Ft.		*Negative
40	Room 8	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	140 Sq. Ft.		*Negative
41	Clothing Storage	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	80 Sq. Ft.		*Negative
42	Room 9	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	126 Sq. Ft.		*Negative
43	Room 10	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	126 Sq. Ft.		*Negative
44	Linen Closet	Mastic for 9" x 9" Floor Tile - Dark Brown w/ Dark Brown Streaks	4	16 Sq. Ft.		*Negative
<b>4</b>	<b>SE Storage</b>	<b>9" x 9" Floor Tile - White w/ Black Streaks</b>	<b>5</b>	<b>143 Sq. Ft.</b>		<b>*Positive</b>
<b>6</b>	<b>Washroom</b>	<b>9" x 9" Floor Tile - White w/ Black Streaks</b>	<b>5</b>	<b>364 Sq. Ft.</b>		<b>*Positive</b>
<b>15</b>	<b>Dining Room</b>	<b>9" x 9" Floor Tile - White w/ Black Streaks</b>	<b>5</b>	<b>406 Sq. Ft.</b>		<b>*Positive</b>
<b>29</b>	<b>Upstairs Storage</b>	<b>9" x 9" Floor Tile - White w/ Black Streaks</b>	<b>5</b>	<b>112 Sq. Ft.</b>		<b>*Positive</b>
4	SE Storage	Mastic for 9" x 9" Floor Tile - White w/ Black Streaks	6	143 Sq. Ft.		*Negative
6	Washroom	Mastic for 9" x 9" Floor Tile - White w/ Black Streaks	6	364 Sq. Ft.		*Negative
15	Dining Room	Mastic for 9" x 9" Floor Tile - White w/ Black Streaks	6	406 Sq. Ft.		*Negative
29	Upstairs Storage	Mastic for 9" x 9" Floor Tile - White w/ Black Streaks	6	112 Sq. Ft.		*Negative
<b>5</b>	<b>Washroom Storage</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>2 Total</b>		<b>*Positive</b>
<b>6</b>	<b>Washroom</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>3 Total</b>		<b>*Positive</b>
<b>8</b>	<b>Shuffleboard Room</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>4 Total</b>		<b>*Positive</b>
<b>10</b>	<b>Basement Common Room</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>3 Total</b>		<b>*Positive</b>
<b>11</b>	<b>Basement Restroom</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1 Total</b>		<b>*Positive</b>
<b>12</b>	<b>Basement Hallway</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>8 Total</b>		<b>*Positive</b>
<b>12.2</b>	<b>Basement Restroom Hallway</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1 Total</b>		<b>*Positive</b>
<b>13</b>	<b>Basement/1st Floor Stairwell</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>2 Total</b>		<b>*Positive</b>
<b>15</b>	<b>Dining Room</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>8 Total</b>		<b>*Positive</b>
<b>16</b>	<b>Living Room</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1 Total</b>		<b>*Positive</b>
<b>17</b>	<b>Side Entry Door Room</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1 Total</b>		<b>*Positive</b>
<b>18</b>	<b>Side Entry Office</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1 Total</b>		<b>*Positive</b>
<b>22</b>	<b>Chapel</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1 Total</b>		<b>*Positive</b>
<b>24</b>	<b>1st Floor Main Restroom</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1 Total</b>		<b>*Positive</b>
<b>26</b>	<b>Locker Room</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>2 Total</b>		<b>*Positive</b>
<b>27</b>	<b>1st Floor Hallway</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>6 Total</b>		<b>*Positive</b>
<b>27.1</b>	<b>E 1st/2nd Floor Stairwell Lobby</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>2 Total</b>		<b>*Positive</b>
<b>28</b>	<b>W Stairwell</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>2 Total</b>		<b>*Positive</b>
<b>29</b>	<b>Upstairs Storage</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1 Total</b>		<b>*Positive</b>
<b>31</b>	<b>2nd Floor Restroom/Shower Room</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>3 Total</b>		<b>*Positive</b>
<b>32</b>	<b>Room 5</b>	<b>Light Heat Shield</b>	<b>7</b>	<b>1 Total</b>		<b>*Positive</b>

\*Previously Sampled

**Warren Consolidated Schools**

Gerald Drive Building  
List by Homogeneous Area

FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
33	Room 3	Light Heat Shield	7	1 Total		*Positive
35	Room 1	Light Heat Shield	7	1 Total		*Positive
36	Room 2	Light Heat Shield	7	1 Total		*Positive
37	Room 4	Light Heat Shield	7	1 Total		*Positive
38	Room 6	Light Heat Shield	7	1 Total		*Positive
39	Room 7	Light Heat Shield	7	1 Total		*Positive
41	Clothing Storage	Light Heat Shield	7	1 Total		*Positive
41.1	2nd Floor W Restroom	Light Heat Shield	7	1 Total		*Positive
42	Room 9	Light Heat Shield	7	1 Total		*Positive
43	Room 10	Light Heat Shield	7	1 Total		*Positive
45	2nd Floor Hallway	Light Heat Shield	7	8 Total		*Positive
46	2nd/1st Floor E Stairwell	Light Heat Shield	7	1 Total		*Positive
12	Basement Hallway	9" x 9" Floor Tile - Brown w/ Dark Brown Specks	8	360 Sq. Ft.		*Positive
12.1	Basement Restroom Closet	9" x 9" Floor Tile - Brown w/ Dark Brown Specks	8	18 Sq. Ft.		*Positive
12.2	Basement Restroom Hallway	9" x 9" Floor Tile - Brown w/ Dark Brown Specks	8	28 Sq. Ft.		*Positive
12.3	Basement Hallway Closet	9" x 9" Floor Tile - Brown w/ Dark Brown Specks	8	6 Sq. Ft.		*Positive
12	Basement Hallway	Mastic for 9" x 9" Floor Tile - Brown w/ Dark Brown Specks	9	360 Sq. Ft.		*Negative
12.1	Basement Restroom Closet	Mastic for 9" x 9" Floor Tile - Brown w/ Dark Brown Specks	9	18 Sq. Ft.		*Negative
12.2	Basement Restroom Hallway	Mastic for 9" x 9" Floor Tile - Brown w/ Dark Brown Specks	9	28 Sq. Ft.		*Negative
12.3	Basement Hallway Closet	Mastic for 9" x 9" Floor Tile - Brown w/ Dark Brown Specks	9	6 Sq. Ft.		*Negative
14	Kitchen	Marble Linoleum - Light Colored w/ Blue Dots	10	252 Sq. Ft.		*Positive
14	Kitchen	Mastic for Marble Linoleum - Light Colored w/ Blue Dots	11	252 Sq. Ft.		*Positive
1	Boiler Room	Tagged Fire Door	14	1 Total		Assumed
1	Boiler Room	Tagged Fire Door Frame	15	1 Total		Assumed
2	East Stairwell Storage	Smooth Plaster Ceiling - Finishcoat	16	104 Sq. Ft.		Negative
3	Custodial Closet	Smooth Plaster Ceiling - Finishcoat	16	28 Sq. Ft.		Negative
4	SE Storage	Smooth Plaster Ceiling - Finishcoat	16	143 Sq. Ft.		Negative
5	Washroom Storage	Smooth Plaster Ceiling - Finishcoat	16	117 Sq. Ft.		Negative
6	Washroom	Smooth Plaster Ceiling - Finishcoat	16	364 Sq. Ft.		Negative
10	Basement Common Room	Smooth Plaster Ceiling - Finishcoat	16	260 Sq. Ft.		Negative
11	Basement Restroom	Smooth Plaster Ceiling - Finishcoat	16	30 Sq. Ft.		Negative
12.1	Basement Restroom Closet	Smooth Plaster Ceiling - Finishcoat	16	18 Sq. Ft.		Negative
13	Basement/1st Floor Stairwell	Smooth Plaster Ceiling - Finishcoat	16	108 Sq. Ft.		Negative
14	Kitchen	Smooth Plaster Ceiling - Finishcoat	16	252 Sq. Ft.		Negative
15	Dining Room	Smooth Plaster Ceiling - Finishcoat	16	406 Sq. Ft.		Negative
19	Bedroom 1	Smooth Plaster Ceiling - Finishcoat	16	112 Sq. Ft.		Negative

\*Previously Sampled

**Warren Consolidated Schools**

Gerald Drive Building  
List by Homogeneous Area

<b>FS#</b>	<b>FS Description</b>	<b>Homogeneous Area Description</b>	<b>HA#</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>
20	Bedroom 1 Restroom	Smooth Plaster Ceiling - Finishcoat	16	40	Sq. Ft.	Negative
21	1st Floor Hallway Restroom	Smooth Plaster Ceiling - Finishcoat	16	25	Sq. Ft.	Negative
22	Chapel	Smooth Plaster Ceiling - Finishcoat	16	513	Sq. Ft.	Negative
24	1st Floor Main Restroom	Smooth Plaster Ceiling - Finishcoat	16	126	Sq. Ft.	Negative
25	Cleaning Supply Room	Smooth Plaster Ceiling - Finishcoat	16	24	Sq. Ft.	Negative
26	Locker Room	Smooth Plaster Ceiling - Finishcoat	16	88	Sq. Ft.	Negative
27	1st Floor Hallway	Smooth Plaster Ceiling - Finishcoat	16	390	Sq. Ft.	Negative
27.1	E 1st/2nd Floor Stairwell Lobby	Smooth Plaster Ceiling - Finishcoat	16	112	Sq. Ft.	Negative
28	W Stairwell	Smooth Plaster Ceiling - Finishcoat	16	448	Sq. Ft.	Negative
29	Upstairs Storage	Smooth Plaster Ceiling - Finishcoat	16	112	Sq. Ft.	Negative
30	2nd Floor Cleaning Supply Closet	Smooth Plaster Ceiling - Finishcoat	16	20	Sq. Ft.	Negative
31	2nd Floor Restroom/Shower Room	Smooth Plaster Ceiling - Finishcoat	16	252	Sq. Ft.	Negative
32	Room 5	Smooth Plaster Ceiling - Finishcoat	16	126	Sq. Ft.	Negative
33	Room 3	Smooth Plaster Ceiling - Finishcoat	16	126	Sq. Ft.	Negative
34	Coat Closet	Smooth Plaster Ceiling - Finishcoat	16	12	Sq. Ft.	Negative
35	Room 1	Smooth Plaster Ceiling - Finishcoat	16	126	Sq. Ft.	Negative
36	Room 2	Smooth Plaster Ceiling - Finishcoat	16	126	Sq. Ft.	Negative
37	Room 4	Smooth Plaster Ceiling - Finishcoat	16	126	Sq. Ft.	Negative
38	Room 6	Smooth Plaster Ceiling - Finishcoat	16	126	Sq. Ft.	Negative
39	Room 7	Smooth Plaster Ceiling - Finishcoat	16	126	Sq. Ft.	Negative
40	Room 8	Smooth Plaster Ceiling - Finishcoat	16	140	Sq. Ft.	Negative
41	Clothing Storage	Smooth Plaster Ceiling - Finishcoat	16	80	Sq. Ft.	Negative
41.1	2nd Floor W Restroom	Smooth Plaster Ceiling - Finishcoat	16	32	Sq. Ft.	Negative
42	Room 9	Smooth Plaster Ceiling - Finishcoat	16	126	Sq. Ft.	Negative
43	Room 10	Smooth Plaster Ceiling - Finishcoat	16	126	Sq. Ft.	Negative
44	Linen Closet	Smooth Plaster Ceiling - Finishcoat	16	16	Sq. Ft.	Negative
45	2nd Floor Hallway	Smooth Plaster Ceiling - Finishcoat	16	390	Sq. Ft.	Negative
46	2nd/1st Floor E Stairwell	Smooth Plaster Ceiling - Finishcoat	16	192	Sq. Ft.	Negative
2	East Stairwell Storage	Smooth Plaster Ceiling - Browncoat	17	104	Sq. Ft.	Negative
3	Custodial Closet	Smooth Plaster Ceiling - Browncoat	17	28	Sq. Ft.	Negative
4	SE Storage	Smooth Plaster Ceiling - Browncoat	17	143	Sq. Ft.	Negative
5	Washroom Storage	Smooth Plaster Ceiling - Browncoat	17	117	Sq. Ft.	Negative
6	Washroom	Smooth Plaster Ceiling - Browncoat	17	364	Sq. Ft.	Negative
10	Basement Common Room	Smooth Plaster Ceiling - Browncoat	17	260	Sq. Ft.	Negative
11	Basement Restroom	Smooth Plaster Ceiling - Browncoat	17	30	Sq. Ft.	Negative
12.1	Basement Restroom Closet	Smooth Plaster Ceiling - Browncoat	17	18	Sq. Ft.	Negative

\*Previously Sampled

**Warren Consolidated Schools**

Gerald Drive Building  
List by Homogeneous Area

<b>FS#</b>	<b>FS Description</b>	<b>Homogeneous Area Description</b>	<b>HA#</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>
13	Basement/1st Floor Stairwell	Smooth Plaster Ceiling - Browncoat	17	108	Sq. Ft.	Negative
14	Kitchen	Smooth Plaster Ceiling - Browncoat	17	252	Sq. Ft.	Negative
15	Dining Room	Smooth Plaster Ceiling - Browncoat	17	406	Sq. Ft.	Negative
19	Bedroom 1	Smooth Plaster Ceiling - Browncoat	17	112	Sq. Ft.	Negative
20	Bedroom 1 Restroom	Smooth Plaster Ceiling - Browncoat	17	40	Sq. Ft.	Negative
21	1st Floor Hallway Restroom	Smooth Plaster Ceiling - Browncoat	17	25	Sq. Ft.	Negative
22	Chapel	Smooth Plaster Ceiling - Browncoat	17	513	Sq. Ft.	Negative
24	1st Floor Main Restroom	Smooth Plaster Ceiling - Browncoat	17	126	Sq. Ft.	Negative
25	Cleaning Supply Room	Smooth Plaster Ceiling - Browncoat	17	24	Sq. Ft.	Negative
26	Locker Room	Smooth Plaster Ceiling - Browncoat	17	88	Sq. Ft.	Negative
27	1st Floor Hallway	Smooth Plaster Ceiling - Browncoat	17	390	Sq. Ft.	Negative
27.1	E 1st/2nd Floor Stairwell Lobby	Smooth Plaster Ceiling - Browncoat	17	112	Sq. Ft.	Negative
28	W Stairwell	Smooth Plaster Ceiling - Browncoat	17	448	Sq. Ft.	Negative
29	Upstairs Storage	Smooth Plaster Ceiling - Browncoat	17	112	Sq. Ft.	Negative
30	2nd Floor Cleaning Supply Closet	Smooth Plaster Ceiling - Browncoat	17	20	Sq. Ft.	Negative
31	2nd Floor Restroom/Shower Room	Smooth Plaster Ceiling - Browncoat	17	252	Sq. Ft.	Negative
32	Room 5	Smooth Plaster Ceiling - Browncoat	17	126	Sq. Ft.	Negative
33	Room 3	Smooth Plaster Ceiling - Browncoat	17	126	Sq. Ft.	Negative
34	Coat Closet	Smooth Plaster Ceiling - Browncoat	17	12	Sq. Ft.	Negative
35	Room 1	Smooth Plaster Ceiling - Browncoat	17	126	Sq. Ft.	Negative
36	Room 2	Smooth Plaster Ceiling - Browncoat	17	126	Sq. Ft.	Negative
37	Room 4	Smooth Plaster Ceiling - Browncoat	17	126	Sq. Ft.	Negative
38	Room 6	Smooth Plaster Ceiling - Browncoat	17	126	Sq. Ft.	Negative
39	Room 7	Smooth Plaster Ceiling - Browncoat	17	126	Sq. Ft.	Negative
40	Room 8	Smooth Plaster Ceiling - Browncoat	17	140	Sq. Ft.	Negative
41	Clothing Storage	Smooth Plaster Ceiling - Browncoat	17	80	Sq. Ft.	Negative
41.1	2nd Floor W Restroom	Smooth Plaster Ceiling - Browncoat	17	32	Sq. Ft.	Negative
42	Room 9	Smooth Plaster Ceiling - Browncoat	17	126	Sq. Ft.	Negative
43	Room 10	Smooth Plaster Ceiling - Browncoat	17	126	Sq. Ft.	Negative
44	Linen Closet	Smooth Plaster Ceiling - Browncoat	17	16	Sq. Ft.	Negative
45	2nd Floor Hallway	Smooth Plaster Ceiling - Browncoat	17	390	Sq. Ft.	Negative
46	2nd/1st Floor E Stairwell	Smooth Plaster Ceiling - Browncoat	17	192	Sq. Ft.	Negative
1	Boiler Room	Swirled Plaster Ceiling - Finishcoat	18	169	Sq. Ft.	Negative
1	Boiler Room	Swirled Plaster Ceiling - Browncoat	19	169	Sq. Ft.	Negative
8	Shuffleboard Room	1' x 1' Ceiling Tile - Dots and Gouges	20	416	Sq. Ft.	*Negative
16	Living Room	1' x 1' Ceiling Tile - Dots and Gouges	20	224	Sq. Ft.	*Negative

\*Previously Sampled

**Warren Consolidated Schools**

Gerald Drive Building  
List by Homogeneous Area

FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
17	Side Entry Door Room	1' x 1' Ceiling Tile - Dots and Gouges	20	110 Sq. Ft.		*Negative
18	Side Entry Office	1' x 1' Ceiling Tile - Dots and Gouges	20	99 Sq. Ft.		*Negative
23	Main Hallway Closet	1' x 1' Ceiling Tile - Dots and Gouges	20	9 Sq. Ft.		*Negative
8	Shuffleboard Room	Gluepods for 1' x 1' Ceiling Tile - Dots and Gouges	21	416 Sq. Ft.		*Negative
16	Living Room	Gluepods for 1' x 1' Ceiling Tile - Dots and Gouges	21	224 Sq. Ft.		*Negative
17	Side Entry Door Room	Gluepods for 1' x 1' Ceiling Tile - Dots and Gouges	21	110 Sq. Ft.		*Negative
18	Side Entry Office	Gluepods for 1' x 1' Ceiling Tile - Dots and Gouges	21	99 Sq. Ft.		*Negative
23	Main Hallway Closet	Gluepods for 1' x 1' Ceiling Tile - Dots and Gouges	21	9 Sq. Ft.		*Negative
1	Boiler Room	Fiberglass Pipe Insulation	22	5 Ln. Ft.		*Negative
6	Washroom	Fiberglass Pipe Insulation	22	30 Ln. Ft.		*Negative
7	W Storage	Fiberglass Pipe Insulation	22	1 Ln. Ft.		*Negative
9	N Storage	Fiberglass Pipe Insulation	22	50 Ln. Ft.		*Negative
12	Basement Hallway	Fiberglass Pipe Insulation	22	70 Ln. Ft.		*Negative
1	Boiler Room	Mud Fittings	23	3 Ln. Ft.		Negative
6	Washroom	Mud Fittings	23	7 Ln. Ft.		Negative
9	N Storage	Mud Fittings	23	12 Ln. Ft.		Negative
12	Basement Hallway	Mud Fittings	23	17 Ln. Ft.		Negative
5	Washroom Storage	4" Covebase - Brown	24	44 Ln. Ft.		*Negative
8	Shuffleboard Room	4" Covebase - Brown	24	90 Ln. Ft.		*Negative
10	Basement Common Room	4" Covebase - Brown	24	66 Ln. Ft.		*Negative
12	Basement Hallway	4" Covebase - Brown	24	82 Ln. Ft.		*Negative
12.1	Basement Restroom Closet	4" Covebase - Brown	24	12 Ln. Ft.		*Negative
12.2	Basement Restroom Hallway	4" Covebase - Brown	24	22 Ln. Ft.		*Negative
12.3	Basement Hallway Closet	4" Covebase - Brown	24	7 Ln. Ft.		*Negative
13	Basement/1st Floor Stairwell	4" Covebase - Brown	24	10 Ln. Ft.		*Negative
14	Kitchen	4" Covebase - Brown	24	14 Ln. Ft.		*Negative
18	Side Entry Office	4" Covebase - Brown	24	20 Ln. Ft.		*Negative
25	Cleaning Supply Room	4" Covebase - Brown	24	22 Ln. Ft.		*Negative
26	Locker Room	4" Covebase - Brown	24	2 Ln. Ft.		*Negative
40	Room 8	4" Covebase - Brown	24	48 Ln. Ft.		*Negative
41	Clothing Storage	4" Covebase - Brown	24	10 Ln. Ft.		*Negative
5	Washroom Storage	Mastic for 4" Covebase - Brown	25	44 Ln. Ft.		*Negative
8	Shuffleboard Room	Mastic for 4" Covebase - Brown	25	90 Ln. Ft.		*Negative
10	Basement Common Room	Mastic for 4" Covebase - Brown	25	66 Ln. Ft.		*Negative
12	Basement Hallway	Mastic for 4" Covebase - Brown	25	82 Ln. Ft.		*Negative
12.1	Basement Restroom Closet	Mastic for 4" Covebase - Brown	25	12 Ln. Ft.		*Negative

\*Previously Sampled

**Warren Consolidated Schools**

Gerald Drive Building  
List by Homogeneous Area

FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
12.2	Basement Restroom Hallway	Mastic for 4" Covebase - Brown	25	22 Ln. Ft.		*Negative
12.3	Basement Hallway Closet	Mastic for 4" Covebase - Brown	25	7 Ln. Ft.		*Negative
13	Basement/1st Floor Stairwell	Mastic for 4" Covebase - Brown	25	10 Ln. Ft.		*Negative
14	Kitchen	Mastic for 4" Covebase - Brown	25	14 Ln. Ft.		*Negative
18	Side Entry Office	Mastic for 4" Covebase - Brown	25	20 Ln. Ft.		*Negative
25	Cleaning Supply Room	Mastic for 4" Covebase - Brown	25	22 Ln. Ft.		*Negative
26	Locker Room	Mastic for 4" Covebase - Brown	25	2 Ln. Ft.		*Negative
40	Room 8	Mastic for 4" Covebase - Brown	25	48 Ln. Ft.		*Negative
41	Clothing Storage	Mastic for 4" Covebase - Brown	25	10 Ln. Ft.		*Negative
12	Basement Hallway	2' x 4' Ceiling Panel - Dots and Gouges	26	360 Sq. Ft.		*Negative
12.2	Basement Restroom Hallway	2' x 4' Ceiling Panel - Dots and Gouges	26	28 Sq. Ft.		*Negative
4	SE Storage	4" Covebase - Black	27	48 Ln. Ft.		*Negative
6	Washroom	4" Covebase - Black	27	82 Ln. Ft.		*Negative
14	Kitchen	4" Covebase - Black	27	50 Ln. Ft.		*Negative
29	Upstairs Storage	4" Covebase - Black	27	46 Ln. Ft.		*Negative
30	2nd Floor Cleaning Supply Closet	4" Covebase - Black	27	18 Ln. Ft.		*Negative
32	Room 5	4" Covebase - Black	27	46 Ln. Ft.		*Negative
33	Room 3	4" Covebase - Black	27	46 Ln. Ft.		*Negative
34	Coat Closet	4" Covebase - Black	27	14 Ln. Ft.		*Negative
35	Room 1	4" Covebase - Black	27	46 Ln. Ft.		*Negative
36	Room 2	4" Covebase - Black	27	46 Ln. Ft.		*Negative
37	Room 4	4" Covebase - Black	27	46 Ln. Ft.		*Negative
38	Room 6	4" Covebase - Black	27	46 Ln. Ft.		*Negative
39	Room 7	4" Covebase - Black	27	46 Ln. Ft.		*Negative
44	Linen Closet	4" Covebase - Black	27	12 Ln. Ft.		*Negative
4	SE Storage	Mastic for 4" Covebase - Black	28	48 Ln. Ft.		*Negative
6	Washroom	Mastic for 4" Covebase - Black	28	82 Ln. Ft.		*Negative
14	Kitchen	Mastic for 4" Covebase - Black	28	50 Ln. Ft.		*Negative
29	Upstairs Storage	Mastic for 4" Covebase - Black	28	46 Ln. Ft.		*Negative
30	2nd Floor Cleaning Supply Closet	Mastic for 4" Covebase - Black	28	18 Ln. Ft.		*Negative
32	Room 5	Mastic for 4" Covebase - Black	28	46 Ln. Ft.		*Negative
33	Room 3	Mastic for 4" Covebase - Black	28	46 Ln. Ft.		*Negative
34	Coat Closet	Mastic for 4" Covebase - Black	28	14 Ln. Ft.		*Negative
35	Room 1	Mastic for 4" Covebase - Black	28	46 Ln. Ft.		*Negative
36	Room 2	Mastic for 4" Covebase - Black	28	46 Ln. Ft.		*Negative
37	Room 4	Mastic for 4" Covebase - Black	28	46 Ln. Ft.		*Negative

\*Previously Sampled

**Warren Consolidated Schools**

Gerald Drive Building  
List by Homogeneous Area

<b>FS#</b>	<b>FS Description</b>	<b>Homogeneous Area Description</b>	<b>HA#</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>
38	Room 6	Mastic for 4" Covebase - Black	28	46 Ln. Ft.		*Negative
39	Room 7	Mastic for 4" Covebase - Black	28	46 Ln. Ft.		*Negative
44	Linen Closet	Mastic for 4" Covebase - Black	28	12 Ln. Ft.		*Negative
1	Boiler Room	Cinderblock	29	520 Sq. Ft.		*Negative
2	East Stairwell Storage	Cinderblock	29	420 Sq. Ft.		*Negative
3	Custodial Closet	Cinderblock	29	220 Sq. Ft.		*Negative
4	SE Storage	Cinderblock	29	143 Sq. Ft.		*Negative
5	Washroom Storage	Cinderblock	29	117 Sq. Ft.		*Negative
6	Washroom	Cinderblock	29	820 Sq. Ft.		*Negative
7	W Storage	Cinderblock	29	580 Sq. Ft.		*Negative
8	Shuffleboard Room	Cinderblock	29	900 Sq. Ft.		*Negative
9	N Storage	Cinderblock	29	360 Sq. Ft.		*Negative
10	Basement Common Room	Cinderblock	29	660 Sq. Ft.		*Negative
11	Basement Restroom	Cinderblock	29	110 Sq. Ft.		*Negative
12	Basement Hallway	Cinderblock	29	820 Sq. Ft.		*Negative
12.1	Basement Restroom Closet	Cinderblock	29	120 Sq. Ft.		*Negative
12.2	Basement Restroom Hallway	Cinderblock	29	220 Sq. Ft.		*Negative
12.3	Basement Hallway Closet	Cinderblock	29	70 Sq. Ft.		*Negative
13	Basement/1st Floor Stairwell	Cinderblock	29	620 Sq. Ft.		*Negative
1	Boiler Room	Cinderblock Mortar	30	520 Sq. Ft.		*Negative
2	East Stairwell Storage	Cinderblock Mortar	30	420 Sq. Ft.		*Negative
3	Custodial Closet	Cinderblock Mortar	30	220 Sq. Ft.		*Negative
4	SE Storage	Cinderblock Mortar	30	480 Sq. Ft.		*Negative
5	Washroom Storage	Cinderblock Mortar	30	440 Sq. Ft.		*Negative
6	Washroom	Cinderblock Mortar	30	820 Sq. Ft.		*Negative
7	W Storage	Cinderblock Mortar	30	580 Sq. Ft.		*Negative
8	Shuffleboard Room	Cinderblock Mortar	30	900 Sq. Ft.		*Negative
9	N Storage	Cinderblock Mortar	30	360 Sq. Ft.		*Negative
10	Basement Common Room	Cinderblock Mortar	30	660 Sq. Ft.		*Negative
11	Basement Restroom	Cinderblock Mortar	30	100 Sq. Ft.		*Negative
12	Basement Hallway	Cinderblock Mortar	30	820 Sq. Ft.		*Negative
12.1	Basement Restroom Closet	Cinderblock Mortar	30	120 Sq. Ft.		*Negative
12.2	Basement Restroom Hallway	Cinderblock Mortar	30	220 Sq. Ft.		*Negative
12.3	Basement Hallway Closet	Cinderblock Mortar	30	70 Sq. Ft.		*Negative
13	Basement/1st Floor Stairwell	Cinderblock Mortar	30	620 Sq. Ft.		*Negative
1	Boiler Room	Concrete	31	169 Sq. Ft.		*Negative

\*Previously Sampled



**Warren Consolidated Schools**

Gerald Drive Building  
List by Homogeneous Area

FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
2	East Stairwell Storage	Concrete	31	104	Sq. Ft.	*Negative
3	Custodial Closet	Concrete	31	28	Sq. Ft.	*Negative
4	SE Storage	Concrete	31	143	Sq. Ft.	*Negative
5	Washroom Storage	Concrete	31	440	Sq. Ft.	*Negative
6	Washroom	Concrete	31	364	Sq. Ft.	*Negative
7	W Storage	Concrete	31	190	Sq. Ft.	*Negative
8	Shuffleboard Room	Concrete	31	416	Sq. Ft.	*Negative
9	N Storage	Concrete	31	80	Sq. Ft.	*Negative
10	Basement Common Room	Concrete	31	260	Sq. Ft.	*Negative
11	Basement Restroom	Concrete	31	30	Sq. Ft.	*Negative
12	Basement Hallway	Concrete	31	360	Sq. Ft.	*Negative
12.1	Basement Restroom Closet	Concrete	31	18	Sq. Ft.	*Negative
12.2	Basement Restroom Hallway	Concrete	31	28	Sq. Ft.	*Negative
12.3	Basement Hallway Closet	Concrete	31	6	Sq. Ft.	*Negative
13	Basement/1st Floor Stairwell	Concrete	31	108	Sq. Ft.	*Negative
14	Kitchen	Concrete	31	252	Sq. Ft.	*Negative
15	Dining Room	Concrete	31	406	Sq. Ft.	*Negative
16	Living Room	Concrete	31	224	Sq. Ft.	*Negative
17	Side Entry Door Room	Concrete	31	110	Sq. Ft.	*Negative
18	Side Entry Office	Concrete	31	99	Sq. Ft.	*Negative
19	Bedroom 1	Concrete	31	112	Sq. Ft.	*Negative
20	Bedroom 1 Restroom	Concrete	31	40	Sq. Ft.	*Negative
21	1st Floor Hallway Restroom	Concrete	31	25	Sq. Ft.	*Negative
22	Chapel	Concrete	31	513	Sq. Ft.	*Negative
23	Main Hallway Closet	Concrete	31	9	Sq. Ft.	*Negative
24	1st Floor Main Restroom	Concrete	31	126	Sq. Ft.	*Negative
25	Cleaning Supply Room	Concrete	31	24	Sq. Ft.	*Negative
26	Locker Room	Concrete	31	88	Sq. Ft.	*Negative
27	1st Floor Hallway	Concrete	31	390	Sq. Ft.	*Negative
27.1	E 1st/2nd Floor Stairwell Lobby	Concrete	31	112	Sq. Ft.	*Negative
28	W Stairwell	Concrete	31	448	Sq. Ft.	*Negative
29	Upstairs Storage	Concrete	31	112	Sq. Ft.	*Negative
30	2nd Floor Cleaning Supply Closet	Concrete	31	20	Sq. Ft.	*Negative
31	2nd Floor Restroom/Shower Room	Concrete	31	252	Sq. Ft.	*Negative
32	Room 5	Concrete	31	126	Sq. Ft.	*Negative
33	Room 3	Concrete	31	126	Sq. Ft.	*Negative

\*Previously Sampled

## Warren Consolidated Schools

Gerald Drive Building  
List by Homogeneous Area

FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
34	Coat Closet	Concrete	31	12	Sq. Ft.	*Negative
35	Room 1	Concrete	31	126	Sq. Ft.	*Negative
36	Room 2	Concrete	31	126	Sq. Ft.	*Negative
37	Room 4	Concrete	31	126	Sq. Ft.	*Negative
38	Room 6	Concrete	31	126	Sq. Ft.	*Negative
39	Room 7	Concrete	31	126	Sq. Ft.	*Negative
40	Room 8	Concrete	31	140	Sq. Ft.	*Negative
41	Clothing Storage	Concrete	31	80	Sq. Ft.	*Negative
42	Room 9	Concrete	31	126	Sq. Ft.	*Negative
43	Room 10	Concrete	31	126	Sq. Ft.	*Negative
44	Linen Closet	Concrete	31	16	Sq. Ft.	*Negative
45	2nd Floor Hallway	Concrete	31	390	Sq. Ft.	*Negative
46	2nd/1st Floor E Stairwell	Concrete	31	192	Sq. Ft.	*Negative
13	Basement/1st Floor Stairwell	Stair Tread - Brown	32	60	Sq. Ft.	*Negative
28	W Stairwell	Stair Tread - Brown	32	60	Sq. Ft.	*Negative
13	Basement/1st Floor Stairwell	Mastic for Stair Tread - Brown	33	60	Sq. Ft.	*Negative
28	W Stairwell	Mastic for Stair Tread - Brown	33	60	Sq. Ft.	*Negative
17	Side Entry Door Room	12" x 12" Floor Tile - White w/ Colored Specks	34	110	Sq. Ft.	*Negative
17	Side Entry Door Room	Mastic for 12" x 12" Floor Tile - White w/ Colored Specks	35	110	Sq. Ft.	*Negative
17	Side Entry Door Room	4" Covebase - Tan	36	42	Ln. Ft.	*Negative
17	Side Entry Door Room	Mastic for 4" Covebase - Tan	37	42	Ln. Ft.	*Negative
13	Basement/1st Floor Stairwell	6" Covebase - Brown	38	60	Ln. Ft.	*Negative
28	W Stairwell	6" Covebase - Brown	38	60	Ln. Ft.	*Negative
13	Basement/1st Floor Stairwell	Mastic for 6" Covebase - Brown	39	60	Ln. Ft.	*Negative
28	W Stairwell	Mastic for 6" Covebase - Brown	39	60	Ln. Ft.	*Negative
14	Kitchen	Sink Undercoating - Pink	40	3	Total	*Negative
47	Exterior	Exterior Brick	41	2,200	Sq. Ft.	Negative
47	Exterior	Exterior Brick Mortar	42	2,200	Sq. Ft.	Negative
<b>1</b>	<b>Boiler Room</b>	<b>Boiler (2014)</b>	<b>43</b>	<b>2</b>	<b>Total</b>	<b>Assumed</b>
1	Boiler Room	Glass Block	44	15	Sq. Ft.	Non-Suspect
2	East Stairwell Storage	Glass Block	44	15	Sq. Ft.	Non-Suspect
4	SE Storage	Glass Block	44	15	Sq. Ft.	Non-Suspect
5	Washroom Storage	Glass Block	44	15	Sq. Ft.	Non-Suspect
6	Washroom	Glass Block	44	45	Sq. Ft.	Non-Suspect
8	Shuffleboard Room	Glass Block	44	30	Sq. Ft.	Non-Suspect
10	Basement Common Room	Glass Block	44	15	Sq. Ft.	Non-Suspect

\*Previously Sampled

**Warren Consolidated Schools**

Gerald Drive Building  
List by Homogeneous Area

<b>FS#</b>	<b>FS Description</b>	<b>Homogeneous Area Description</b>	<b>HA#</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>
1	Boiler Room	Glass Block Mortar	45	15 Sq. Ft.		Negative
2	East Stairwell Storage	Glass Block Mortar	45	15 Sq. Ft.		Negative
4	SE Storage	Glass Block Mortar	45	15 Sq. Ft.		Negative
5	Washroom Storage	Glass Block Mortar	45	15 Sq. Ft.		Negative
6	Washroom	Glass Block Mortar	45	45 Sq. Ft.		Negative
8	Shuffleboard Room	Glass Block Mortar	45	30 Sq. Ft.		Negative
10	Basement Common Room	Glass Block Mortar	45	15 Sq. Ft.		Negative
<b>1</b>	<b>Boiler Room</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20 Ln. Ft.</b>		<b>Positive</b>
<b>2</b>	<b>East Stairwell Storage</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20 Ln. Ft.</b>		<b>Positive</b>
<b>3</b>	<b>Custodial Closet</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20 Ln. Ft.</b>		<b>Positive</b>
<b>4</b>	<b>SE Storage</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20 Ln. Ft.</b>		<b>Positive</b>
<b>5</b>	<b>Washroom Storage</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>40 Ln. Ft.</b>		<b>Positive</b>
<b>6</b>	<b>Washroom</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20 Ln. Ft.</b>		<b>Positive</b>
<b>7</b>	<b>W Storage</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20 Ln. Ft.</b>		<b>Positive</b>
<b>8</b>	<b>Shuffleboard Room</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20 Ln. Ft.</b>		<b>Positive</b>
<b>9</b>	<b>N Storage</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20 Ln. Ft.</b>		<b>Positive</b>
<b>10</b>	<b>Basement Common Room</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>40 Ln. Ft.</b>		<b>Positive</b>
<b>11</b>	<b>Basement Restroom</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20 Ln. Ft.</b>		<b>Positive</b>
<b>12</b>	<b>Basement Hallway</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20 Ln. Ft.</b>		<b>Positive</b>
<b>12.1</b>	<b>Basement Restroom Closet</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>30 Ln. Ft.</b>		<b>Positive</b>
<b>12.3</b>	<b>Basement Hallway Closet</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20 Ln. Ft.</b>		<b>Positive</b>
<b>13</b>	<b>Basement/1st Floor Stairwell</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20 Ln. Ft.</b>		<b>Positive</b>
<b>34</b>	<b>Coat Closet</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>20 Ln. Ft.</b>		<b>Positive</b>
<b>40</b>	<b>Room 8</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>10 Ln. Ft.</b>		<b>Positive</b>
<b>3</b>	<b>Custodial Closet</b>	<b>Floor Tar - Black</b>	<b>47</b>	<b>7 Ln. Ft.</b>		<b>Positive</b>
<b>7</b>	<b>W Storage</b>	<b>Floor Tar - Black</b>	<b>47</b>	<b>30 Ln. Ft.</b>		<b>Positive</b>
<b>9</b>	<b>N Storage</b>	<b>Floor Tar - Black</b>	<b>47</b>	<b>10 Ln. Ft.</b>		<b>Positive</b>
1	Boiler Room	Drywall	48	169 Sq. Ft.		Negative
2	East Stairwell Storage	Drywall	48	104 Sq. Ft.		Negative
3	Custodial Closet	Drywall	48	28 Sq. Ft.		Negative
4	SE Storage	Drywall	48	143 Sq. Ft.		Negative
5	Washroom Storage	Drywall	48	117 Sq. Ft.		Negative
6	Washroom	Drywall	48	364 Sq. Ft.		Negative
10	Basement Common Room	Drywall	48	260 Sq. Ft.		Negative
11	Basement Restroom	Drywall	48	30 Sq. Ft.		Negative
12.2	Basement Restroom Hallway	Drywall	48	28 Sq. Ft.		Negative

\*Previously Sampled

**Warren Consolidated Schools**

Gerald Drive Building  
List by Homogeneous Area

FS#	FS Description	Homogeneous Area Description	HA#	Amount	Units	Asbestos
16	Living Room	Carpet Glue - Orange	49	224	Sq. Ft.	Negative
19	Bedroom 1	Carpet Glue - Orange	49	112	Sq. Ft.	Negative
22	Chapel	Carpet Glue - Orange	49	513	Sq. Ft.	Negative
27	1st Floor Hallway	Carpet Glue - Orange	49	390	Sq. Ft.	Negative
27.1	E 1st/2nd Floor Stairwell Lobby	Carpet Glue - Orange	49	112	Sq. Ft.	Negative
33	Room 3	Carpet Glue - Orange	49	126	Sq. Ft.	Negative
36	Room 2	Carpet Glue - Orange	49	126	Sq. Ft.	Negative
39	Room 7	Carpet Glue - Orange	49	126	Sq. Ft.	Negative
42	Room 9	Carpet Glue - Orange	49	126	Sq. Ft.	Negative
43	Room 10	Carpet Glue - Orange	49	126	Sq. Ft.	Negative
45	2nd Floor Hallway	Carpet Glue - Orange	49	390	Sq. Ft.	Negative
46	2nd/1st Floor E Stairwell	Carpet Glue - Orange	49	192	Sq. Ft.	Negative
20	Bedroom 1 Restroom	Bathtub Caulk - White	50	20	Ln. Ft.	Negative
31	2nd Floor Restroom/Shower Room	Bathtub Caulk - White	50	20	Ln. Ft.	Negative
41.1	2nd Floor W Restroom	Bathtub Caulk - White	50	20	Ln. Ft.	Negative
1	Boiler Room	Deck Paper - Black	51	169	Sq. Ft.	Negative
11	Basement Restroom	Ceramic for Ceramic Floor Tile	52	30	Sq. Ft.	Negative
20	Bedroom 1 Restroom	Ceramic for Ceramic Floor Tile	52	40	Sq. Ft.	Negative
21	1st Floor Hallway Restroom	Ceramic for Ceramic Floor Tile	52	25	Sq. Ft.	Negative
24	1st Floor Main Restroom	Ceramic for Ceramic Floor Tile	52	126	Sq. Ft.	Negative
31	2nd Floor Restroom/Shower Room	Ceramic for Ceramic Floor Tile	52	252	Sq. Ft.	Negative
41.1	2nd Floor W Restroom	Ceramic for Ceramic Floor Tile	52	32	Sq. Ft.	Negative
11	Basement Restroom	Grout for Ceramic Floor Tile	53	30	Sq. Ft.	Negative
20	Bedroom 1 Restroom	Grout for Ceramic Floor Tile	53	40	Sq. Ft.	Negative
21	1st Floor Hallway Restroom	Grout for Ceramic Floor Tile	53	25	Sq. Ft.	Negative
24	1st Floor Main Restroom	Grout for Ceramic Floor Tile	53	126	Sq. Ft.	Negative
31	2nd Floor Restroom/Shower Room	Grout for Ceramic Floor Tile	53	252	Sq. Ft.	Negative
41.1	2nd Floor W Restroom	Grout for Ceramic Floor Tile	53	32	Sq. Ft.	Negative
11	Basement Restroom	Ceramic for Ceramic Wall Tile	54	110	Sq. Ft.	Negative
20	Bedroom 1 Restroom	Ceramic for Ceramic Wall Tile	54	130	Sq. Ft.	Negative
21	1st Floor Hallway Restroom	Ceramic for Ceramic Wall Tile	54	50	Sq. Ft.	Negative
24	1st Floor Main Restroom	Ceramic for Ceramic Wall Tile	54	230	Sq. Ft.	Negative
31	2nd Floor Restroom/Shower Room	Ceramic for Ceramic Wall Tile	54	320	Sq. Ft.	Negative
41.1	2nd Floor W Restroom	Ceramic for Ceramic Wall Tile	54	120	Sq. Ft.	Negative
11	Basement Restroom	Grout for Ceramic Wall Tile	55	110	Sq. Ft.	Negative
20	Bedroom 1 Restroom	Grout for Ceramic Wall Tile	55	130	Sq. Ft.	Negative

\*Previously Sampled

**Warren Consolidated Schools**

Gerald Drive Building  
List by Homogeneous Area

<b>FS#</b>	<b>FS Description</b>	<b>Homogeneous Area Description</b>	<b>HA#</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>
21	1st Floor Hallway Restroom	Grout for Ceramic Wall Tile	55	50 Sq. Ft.		Negative
24	1st Floor Main Restroom	Grout for Ceramic Wall Tile	55	230 Sq. Ft.		Negative
31	2nd Floor Restroom/Shower Room	Grout for Ceramic Wall Tile	55	320 Sq. Ft.		Negative
41.1	2nd Floor W Restroom	Grout for Ceramic Wall Tile	55	120 Sq. Ft.		Negative
13	Basement/1st Floor Stairwell	Smooth Plaster Wall - Finishcoat	56	620 Sq. Ft.		Negative
14	Kitchen	Smooth Plaster Wall - Finishcoat	56	640 Sq. Ft.		Negative
15	Dining Room	Smooth Plaster Wall - Finishcoat	56	860 Sq. Ft.		Negative
16	Living Room	Smooth Plaster Wall - Finishcoat	56	600 Sq. Ft.		Negative
17	Side Entry Door Room	Smooth Plaster Wall - Finishcoat	56	420 Sq. Ft.		Negative
18	Side Entry Office	Smooth Plaster Wall - Finishcoat	56	400 Sq. Ft.		Negative
19	Bedroom 1	Smooth Plaster Wall - Finishcoat	56	440 Sq. Ft.		Negative
20	Bedroom 1 Restroom	Smooth Plaster Wall - Finishcoat	56	130 Sq. Ft.		Negative
21	1st Floor Hallway Restroom	Smooth Plaster Wall - Finishcoat	56	50 Sq. Ft.		Negative
22	Chapel	Smooth Plaster Wall - Finishcoat	56	920 Sq. Ft.		Negative
23	Main Hallway Closet	Smooth Plaster Wall - Finishcoat	56	120 Sq. Ft.		Negative
24	1st Floor Main Restroom	Smooth Plaster Wall - Finishcoat	56	130 Sq. Ft.		Negative
25	Cleaning Supply Room	Smooth Plaster Wall - Finishcoat	56	220 Sq. Ft.		Negative
26	Locker Room	Smooth Plaster Wall - Finishcoat	56	380 Sq. Ft.		Negative
27	1st Floor Hallway	Smooth Plaster Wall - Finishcoat	56	1,660 Sq. Ft.		Negative
27.1	E 1st/2nd Floor Stairwell Lobby	Smooth Plaster Wall - Finishcoat	56	440 Sq. Ft.		Negative
29	Upstairs Storage	Smooth Plaster Wall - Finishcoat	56	460 Sq. Ft.		Negative
30	2nd Floor Cleaning Supply Closet	Smooth Plaster Wall - Finishcoat	56	180 Sq. Ft.		Negative
31	2nd Floor Restroom/Shower Room	Smooth Plaster Wall - Finishcoat	56	320 Sq. Ft.		Negative
32	Room 5	Smooth Plaster Wall - Finishcoat	56	460 Sq. Ft.		Negative
33	Room 3	Smooth Plaster Wall - Finishcoat	56	460 Sq. Ft.		Negative
34	Coat Closet	Smooth Plaster Wall - Finishcoat	56	140 Sq. Ft.		Negative
35	Room 1	Smooth Plaster Wall - Finishcoat	56	460 Sq. Ft.		Negative
36	Room 2	Smooth Plaster Wall - Finishcoat	56	460 Sq. Ft.		Negative
37	Room 4	Smooth Plaster Wall - Finishcoat	56	460 Sq. Ft.		Negative
38	Room 6	Smooth Plaster Wall - Finishcoat	56	460 Sq. Ft.		Negative
39	Room 7	Smooth Plaster Wall - Finishcoat	56	460 Sq. Ft.		Negative
40	Room 8	Smooth Plaster Wall - Finishcoat	56	480 Sq. Ft.		Negative
41	Clothing Storage	Smooth Plaster Wall - Finishcoat	56	360 Sq. Ft.		Negative
41.1	2nd Floor W Restroom	Smooth Plaster Wall - Finishcoat	56	120 Sq. Ft.		Negative
42	Room 9	Smooth Plaster Wall - Finishcoat	56	460 Sq. Ft.		Negative
43	Room 10	Smooth Plaster Wall - Finishcoat	56	460 Sq. Ft.		Negative

\*Previously Sampled

**Warren Consolidated Schools**

Gerald Drive Building  
List by Homogeneous Area

<b>FS#</b>	<b>FS Description</b>	<b>Homogeneous Area Description</b>	<b>HA#</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>
44	Linen Closet	Smooth Plaster Wall - Finishcoat	56	120 Sq. Ft.		Negative
45	2nd Floor Hallway	Smooth Plaster Wall - Finishcoat	56	1,660 Sq. Ft.		Negative
46	2nd/1st Floor E Stairwell	Smooth Plaster Wall - Finishcoat	56	640 Sq. Ft.		Negative
13	Basement/1st Floor Stairwell	Smooth Plaster Wall - Browncoat	57	620 Sq. Ft.		Negative
14	Kitchen	Smooth Plaster Wall - Browncoat	57	640 Sq. Ft.		Negative
15	Dining Room	Smooth Plaster Wall - Browncoat	57	860 Sq. Ft.		Negative
16	Living Room	Smooth Plaster Wall - Browncoat	57	600 Sq. Ft.		Negative
17	Side Entry Door Room	Smooth Plaster Wall - Browncoat	57	420 Sq. Ft.		Negative
18	Side Entry Office	Smooth Plaster Wall - Browncoat	57	400 Sq. Ft.		Negative
19	Bedroom 1	Smooth Plaster Wall - Browncoat	57	440 Sq. Ft.		Negative
20	Bedroom 1 Restroom	Smooth Plaster Wall - Browncoat	57	130 Sq. Ft.		Negative
21	1st Floor Hallway Restroom	Smooth Plaster Wall - Browncoat	57	50 Sq. Ft.		Negative
22	Chapel	Smooth Plaster Wall - Browncoat	57	920 Sq. Ft.		Negative
23	Main Hallway Closet	Smooth Plaster Wall - Browncoat	57	120 Sq. Ft.		Negative
24	1st Floor Main Restroom	Smooth Plaster Wall - Browncoat	57	130 Sq. Ft.		Negative
25	Cleaning Supply Room	Smooth Plaster Wall - Browncoat	57	220 Sq. Ft.		Negative
26	Locker Room	Smooth Plaster Wall - Browncoat	57	380 Sq. Ft.		Negative
27	1st Floor Hallway	Smooth Plaster Wall - Browncoat	57	1,660 Sq. Ft.		Negative
27.1	E 1st/2nd Floor Stairwell Lobby	Smooth Plaster Wall - Browncoat	57	440 Sq. Ft.		Negative
29	Upstairs Storage	Smooth Plaster Wall - Browncoat	57	460 Sq. Ft.		Negative
30	2nd Floor Cleaning Supply Closet	Smooth Plaster Wall - Browncoat	57	180 Sq. Ft.		Negative
31	2nd Floor Restroom/Shower Room	Smooth Plaster Wall - Browncoat	57	320 Sq. Ft.		Negative
32	Room 5	Smooth Plaster Wall - Browncoat	57	460 Sq. Ft.		Negative
33	Room 3	Smooth Plaster Wall - Browncoat	57	460 Sq. Ft.		Negative
34	Coat Closet	Smooth Plaster Wall - Browncoat	57	140 Sq. Ft.		Negative
35	Room 1	Smooth Plaster Wall - Browncoat	57	460 Sq. Ft.		Negative
36	Room 2	Smooth Plaster Wall - Browncoat	57	460 Sq. Ft.		Negative
37	Room 4	Smooth Plaster Wall - Browncoat	57	460 Sq. Ft.		Negative
38	Room 6	Smooth Plaster Wall - Browncoat	57	460 Sq. Ft.		Negative
39	Room 7	Smooth Plaster Wall - Browncoat	57	460 Sq. Ft.		Negative
40	Room 8	Smooth Plaster Wall - Browncoat	57	480 Sq. Ft.		Negative
41	Clothing Storage	Smooth Plaster Wall - Browncoat	57	360 Sq. Ft.		Negative
41.1	2nd Floor W Restroom	Smooth Plaster Wall - Browncoat	57	120 Sq. Ft.		Negative
42	Room 9	Smooth Plaster Wall - Browncoat	57	460 Sq. Ft.		Negative
43	Room 10	Smooth Plaster Wall - Browncoat	57	460 Sq. Ft.		Negative
44	Linen Closet	Smooth Plaster Wall - Browncoat	57	120 Sq. Ft.		Negative

\*Previously Sampled

**Warren Consolidated Schools**

Gerald Drive Building  
List by Homogeneous Area

<b>FS#</b>	<b>FS Description</b>	<b>Homogeneous Area Description</b>	<b>HA#</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>
45	2nd Floor Hallway	Smooth Plaster Wall - Browncoat	57	1,660	Sq. Ft.	Negative
46	2nd/1st Floor E Stairwell	Smooth Plaster Wall - Browncoat	57	640	Sq. Ft.	Negative
13	Basement/1st Floor Stairwell	Door Caulk - Cream	58	20	Ln. Ft.	Negative
27.1	E 1st/2nd Floor Stairwell Lobby	Door Caulk - Cream	58	4	Ln. Ft.	Negative
14	Kitchen	Window Caulk - Gray	59	30	Ln. Ft.	Negative
15	Dining Room	Window Caulk - Gray	59	60	Ln. Ft.	Negative
16	Living Room	Window Caulk - Gray	59	40	Ln. Ft.	Negative
17	Side Entry Door Room	Window Caulk - Gray	59	20	Ln. Ft.	Negative
18	Side Entry Office	Window Caulk - Gray	59	20	Ln. Ft.	Negative
19	Bedroom 1	Window Caulk - Gray	59	20	Ln. Ft.	Negative
22	Chapel	Window Caulk - Gray	59	20	Ln. Ft.	Negative
24	1st Floor Main Restroom	Window Caulk - Gray	59	10	Ln. Ft.	Negative
26	Locker Room	Window Caulk - Gray	59	10	Ln. Ft.	Negative
28	W Stairwell	Window Caulk - Gray	59	20	Ln. Ft.	Negative
32	Room 5	Window Caulk - Gray	59	20	Ln. Ft.	Negative
33	Room 3	Window Caulk - Gray	59	20	Ln. Ft.	Negative
35	Room 1	Window Caulk - Gray	59	20	Ln. Ft.	Negative
36	Room 2	Window Caulk - Gray	59	20	Ln. Ft.	Negative
37	Room 4	Window Caulk - Gray	59	20	Ln. Ft.	Negative
38	Room 6	Window Caulk - Gray	59	20	Ln. Ft.	Negative
39	Room 7	Window Caulk - Gray	59	20	Ln. Ft.	Negative
40	Room 8	Window Caulk - Gray	59	10	Ln. Ft.	Negative
41	Clothing Storage	Window Caulk - Gray	59	20	Ln. Ft.	Negative
42	Room 9	Window Caulk - Gray	59	20	Ln. Ft.	Negative
43	Room 10	Window Caulk - Gray	59	20	Ln. Ft.	Negative
45	2nd Floor Hallway	Window Caulk - Gray	59	40	Ln. Ft.	Negative
46	2nd/1st Floor E Stairwell	Window Caulk - Gray	59	20	Ln. Ft.	Negative
14	Kitchen	Window Glaze - Black	60	40	Sq. Ft.	Negative
15	Dining Room	Window Glaze - Black	60	75	Sq. Ft.	Negative
17	Side Entry Door Room	Window Glaze - Black	60	30	Sq. Ft.	Negative
18	Side Entry Office	Window Glaze - Black	60	30	Sq. Ft.	Negative
19	Bedroom 1	Window Glaze - Black	60	30	Sq. Ft.	Negative
22	Chapel	Window Glaze - Black	60	30	Sq. Ft.	Negative
24	1st Floor Main Restroom	Window Glaze - Black	60	10	Sq. Ft.	Negative
26	Locker Room	Window Glaze - Black	60	10	Sq. Ft.	Negative
28	W Stairwell	Window Glaze - Black	60	30	Sq. Ft.	Negative

\*Previously Sampled

**Warren Consolidated Schools**

Gerald Drive Building  
List by Homogeneous Area

<b>FS#</b>	<b>FS Description</b>	<b>Homogeneous Area Description</b>	<b>HA#</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>
32	Room 5	Window Glaze - Black	60	30 Sq. Ft.		Negative
33	Room 3	Window Glaze - Black	60	30 Sq. Ft.		Negative
35	Room 1	Window Glaze - Black	60	30 Sq. Ft.		Negative
36	Room 2	Window Glaze - Black	60	30 Sq. Ft.		Negative
37	Room 4	Window Glaze - Black	60	30 Sq. Ft.		Negative
38	Room 6	Window Glaze - Black	60	30 Sq. Ft.		Negative
39	Room 7	Window Glaze - Black	60	30 Sq. Ft.		Negative
42	Room 9	Window Glaze - Black	60	30 Sq. Ft.		Negative
43	Room 10	Window Glaze - Black	60	30 Sq. Ft.		Negative
45	2nd Floor Hallway	Window Glaze - Black	60	60 Sq. Ft.		Negative
46	2nd/1st Floor E Stairwell	Window Glaze - Black	60	30 Sq. Ft.		Negative
<b>25</b>	<b>Cleaning Supply Room</b>	<b>Marble Linoleum - Brown Stone Pattern</b>	<b>61</b>	<b>24 Sq. Ft.</b>		<b>Positive</b>
<b>26</b>	<b>Locker Room</b>	<b>Marble Linoleum - Brown Stone Pattern</b>	<b>61</b>	<b>88 Sq. Ft.</b>		<b>Positive</b>
<b>25</b>	<b>Cleaning Supply Room</b>	<b>Mastic for Marble Linoleum - Brown Stone Pattern</b>	<b>62</b>	<b>24 Sq. Ft.</b>		<b>Inseparable</b>
<b>26</b>	<b>Locker Room</b>	<b>Mastic for Marble Linoleum - Brown Stone Pattern</b>	<b>62</b>	<b>88 Sq. Ft.</b>		<b>Inseparable</b>
47	Exterior	Exterior Brick - Blue	63	300 Sq. Ft.		Negative
47	Exterior	Exterior Mortar for Brick - Blue	64	300 Sq. Ft.		Negative
47	Exterior	Exterior Vapor Barrier - Green	65	600 Sq. Ft.		Negative
<b>47</b>	<b>Exterior</b>	<b>Exterior Door Caulk - Gray</b>	<b>66</b>	<b>40 Ln. Ft.</b>		<b>Positive</b>
47	Exterior	Exterior Window Glaze - Black	67	750 Sq. Ft.		Negative
<b>47</b>	<b>Exterior</b>	<b>Exterior Exhaust Vent Caulk - White</b>	<b>68</b>	<b>50 Ln. Ft.</b>		<b>Positive</b>
47	Exterior	Exterior Stone Window Sill	69	125 Sq. Ft.		Negative
<b>47</b>	<b>Exterior</b>	<b>Exterior Window Caulk - Gray</b>	<b>70</b>	<b>40 Ln. Ft.</b>		<b>Positive</b>
<b>47</b>	<b>Exterior</b>	<b>Exterior Door Caulk - White</b>	<b>71</b>	<b>20 Ln. Ft.</b>		<b>Positive</b>
47	Exterior	Exterior Vapor Barrier - Black	72	2,200 Sq. Ft.		Negative
47	Exterior	Exterior Metal Overhang Caulk - White	73	50 Ln. Ft.		Negative
47	Exterior	Exterior Window Caulk - White	74	500 Ln. Ft.		Negative
<b>47</b>	<b>Exterior</b>	<b>Exterior Roof Flashing Caulk - White</b>	<b>75</b>	<b>250 Ln. Ft.</b>		<b>Positive</b>
<b>47</b>	<b>Exterior</b>	<b>Exterior Roof Flashing Caulk - Gray</b>	<b>76</b>	<b>20 Ln. Ft.</b>		<b>Positive</b>
47	Exterior	Exterior Roof Shingle	77	2,400 Sq. Ft.		Negative
47	Exterior	Exterior Roof Vent Caulk - Black	78	5 Ln. Ft.		Negative
47	Exterior	Exterior Built up Roof - Black	79	110 Sq. Ft.		Negative
<b>47</b>	<b>Exterior</b>	<b>Exterior Pipe Caulk - Gray</b>	<b>80</b>	<b>9 Ln. Ft.</b>		<b>Positive</b>
47	Exterior	Exterior Built up Roof Flashing	81	200 Sq. Ft.		Negative
47	Exterior	Exterior Built up Roof - North	82	55 Sq. Ft.		Negative
<b>47</b>	<b>Exterior</b>	<b>Exterior Roof Chimney Flashing</b>	<b>83</b>	<b>10 Sq. Ft.</b>		<b>Positive</b>

\*Previously Sampled



**Warren Consolidated Schools**

Gerald Drive Building  
List by Homogeneous Area

<b>FS#</b>	<b>FS Description</b>	<b>Homogeneous Area Description</b>	<b>HA#</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>
47	Exterior	Exterior Overhang Caulk - Old Cream	84	20	Ln. Ft.	Positive
47	Exterior	Exterior Overhang Caulk - Cream	85	30	Sq. Ft.	Negative
47	Exterior	Exterior 2nd Layer Shingle - Green	86		Sq. Ft.	Negative
47	Exterior	Exterior 3rd Layer Shingle - Brown	87		Sq. Ft.	Negative
47	Exterior	Exterior 4th Layer Shingle - Brown	88		Sq. Ft.	Negative
47	Exterior	Exterior Roof Felt Layer (Bottom)	89		Sq. Ft.	Negative



**Warren Consolidated Schools  
11131 Gerald Drive**

**Section III  
Laboratory Results**

This section provides the bulk sample collection information and laboratory results for all samples analyzed.

The Bulk Sample Collection Sheet identifies sample ID, Homogeneous Area Description, Material Class, Location of Sample, Asbestos Detected, % Type of Asbestos and Non-Asbestos Material. Subsequent to these forms are the EMSL Analytical, Inc. Laboratory Results forms.

**Warren Consolidated Schools**

Gerald Drive Building  
Bulk Sample Collection Sheet

ACM Sample #	FS#	FS Description	Homogeneous Area Description	HA#	Sample Location	Asbestos Result
CI0010/GD101- 001	13	Basement/1st Floor Stairwell	Door Caulk - Cream	58	E Door	None Detected
CI0010/GD101- 002A	31	2nd Floor Restroom/Shower Room	Ceramic for Ceramic Wall Tile	54	N Wall	None Detected
CI0010/GD101- 002B	31	2nd Floor Restroom/Shower Room	Grout for Ceramic Wall Tile	55	N Wall	None Detected
CI0010/GD101- 003	15	Dining Room	Window Glaze - Black	60	E Wall	None Detected
CI0010/GD101- 004	1	Boiler Room	Deck Paper - Black	51	Center	None Detected
CI0010/GD101- 005	1	Boiler Room	Drywall	48	Center	None Detected
<b>CI0010/GD101- 006</b>	<b>8</b>	<b>Shuffleboard Room</b>	<b>Door Caulk - White</b>	<b>46</b>	<b>On Door</b>	<b>5% Chrysotile</b>
<b>CI0010/GD101- 007</b>	<b>7</b>	<b>W Storage</b>	<b>Floor Tar - Black</b>	<b>47</b>	<b>E Wall</b>	<b>3% Chrysotile</b>
CI0010/GD101- 008	8	Shuffleboard Room	Glass Block Mortar	45	S Wall	None Detected
CI0010/GD101- 009	22	Chapel	Window Caulk - Gray	59	E Wall	None Detected
CI0010/GD101- 010	1	Boiler Room	Mud Fittings	23	Center	None Detected
CI0010/GD101- 011	6	Washroom	Mud Fittings	23	Center	None Detected
CI0010/GD101- 012	12	Basement Hallway	Mud Fittings	23	W Side	None Detected
CI0010/GD101- 013A	24	1st Floor Main Restroom	Ceramic for Ceramic Floor Tile	52	E Side	None Detected
CI0010/GD101- 013B	24	1st Floor Main Restroom	Grout for Ceramic Floor Tile	53	E Side	None Detected
CI0010/GD101- 014A	1	Boiler Room	Swirled Plaster Ceiling - Finishcoat	18	Center	None Detected
CI0010/GD101- 014B	1	Boiler Room	Swirled Plaster Ceiling - Browncoat	19	Center	None Detected
CI0010/GD101- 015A	1	Boiler Room	Swirled Plaster Ceiling - Finishcoat	18	E Side	None Detected
CI0010/GD101- 015B	1	Boiler Room	Swirled Plaster Ceiling - Browncoat	19	E Side	None Detected
<b>CI0010/GD101- 016A</b>	<b>25</b>	<b>Cleaning Supply Room</b>	<b>Marble Linoleum - Brown Stone Pattern</b>	<b>61</b>	<b>N Side</b>	<b>28% Chrysotile</b>
<b>CI0010/GD101- 016B</b>	<b>25</b>	<b>Cleaning Supply Room</b>	<b>Mastic for Marble Linoleum - Brown Stone Pattern</b>	<b>62</b>	<b>N Side</b>	<b>Inseparable</b>
CI0010/GD101- 017	27.1	E 1st/2nd Floor Stairwell Lobby	Carpet Glue - Orange	49	N Side	None Detected
CI0010/GD101- 018	31	2nd Floor Restroom/Shower Room	Bathtub Caulk - White	50	S Wall	None Detected
CI0010/GD101- 019A	18	Side Entry Office	Smooth Plaster Wall - Finishcoat	56	N Wall	None Detected
CI0010/GD101- 019B	18	Side Entry Office	Smooth Plaster Wall - Browncoat	57	N Wall	None Detected
CI0010/GD101- 020A	34	Coat Closet	Smooth Plaster Wall - Finishcoat	56	W Wall	None Detected
CI0010/GD101- 020B	34	Coat Closet	Smooth Plaster Wall - Browncoat	57	W Wall	None Detected
CI0010/GD101- 021A	25	Cleaning Supply Room	Smooth Plaster Wall - Finishcoat	56	W Wall	None Detected
CI0010/GD101- 021B	25	Cleaning Supply Room	Smooth Plaster Wall - Browncoat	57	W Wall	None Detected
CI0010/GD101- 022A	11	Basement Restroom	Smooth Plaster Ceiling - Finishcoat	16	S Side	None Detected
CI0010/GD101- 022B	11	Basement Restroom	Smooth Plaster Ceiling - Browncoat	17	S Side	None Detected
CI0010/GD101- 023B	14	Kitchen	Smooth Plaster Ceiling - Finishcoat	16	N Side	None Detected
CI0010/GD101- 023B	14	Kitchen	Smooth Plaster Ceiling - Browncoat	17	N Side	None Detected
CI0010/GD101- 024A	38	Room 6	Smooth Plaster Ceiling - Finishcoat	16	W Side	None Detected
CI0010/GD101- 024B	38	Room 6	Smooth Plaster Ceiling - Browncoat	17	W Side	None Detected
CI0010/GD101- 025A	47	Exterior	Exterior Brick	41	N Wall	None Detected
CI0010/GD101- 025B	47	Exterior	Exterior Brick Mortar	42	N Wall	None Detected
CI0010/GD101- 026A	47	Exterior	Exterior Brick - Blue	63	W Wall	None Detected
CI0010/GD101- 026B	47	Exterior	Exterior Mortar for Brick - Blue	64	W Wall	None Detected

**Warren Consolidated Schools**

Gerald Drive Building  
Bulk Sample Collection Sheet

ACM Sample #	FS#	FS Description	Homogeneous Area Description	HA#	Sample Location	Asbestos Result
CI0010/GD101- 027	47	Exterior	Exterior Vapor Barrier - Green	65	S Wall	None Detected
<b>CI0010/GD101- 028</b>	<b>47</b>	<b>Exterior</b>	<b>Exterior Door Caulk - Gray</b>	<b>66</b>	<b>o/s FS#17</b>	<b>5% Chrysotile</b>
CI0010/GD101- 029	47	Exterior	Exterior Window Glaze - Black	67	W Wall	None Detected
<b>CI0010/GD101- 030</b>	<b>47</b>	<b>Exterior</b>	<b>Exterior Exhaust Vent Caulk - White</b>	<b>68</b>	<b>o/s FS#15</b>	<b>3% Chrysotile</b>
CI0010/GD101- 031	47	Exterior	Exterior Stone Window Sill	69	W Wall	None Detected
<b>CI0010/GD101- 032</b>	<b>47</b>	<b>Exterior</b>	<b>Exterior Window Caulk - Gray</b>	<b>70</b>	<b>S Wall</b>	<b>4% Chrysotile</b>
<b>CI0010/GD101- 033</b>	<b>47</b>	<b>Exterior</b>	<b>Exterior Door Caulk - White</b>	<b>71</b>	<b>o/s FS#27</b>	<b>3% Chrysotile</b>
CI0010/GD101- 034	47	Exterior	Exterior Vapor Barrier - Black	72	N Wall	None Detected
CI0010/GD101- 035	47	Exterior	Exterior Metal Overhang Caulk - White	73	o/s FS#27	None Detected
CI0010/GD101- 036	47	Exterior	Exterior Window Caulk - White	74	S Wall	None Detected
<b>CI0010/GD101- 037</b>	<b>47</b>	<b>Exterior</b>	<b>Exterior Roof Flashing Caulk - White</b>	<b>75</b>	<b>Roof</b>	<b>8% Chrysotile</b>
<b>CI0010/GD101- 038</b>	<b>47</b>	<b>Exterior</b>	<b>Exterior Roof Flashing Caulk - Gray</b>	<b>76</b>	<b>NE Exit</b>	<b>10% Chrysotile</b>
CI0010/GD101- 039	47	Exterior	Exterior Roof Shingle	77	Roof	None Detected
CI0010/GD101- 040	47	Exterior	Exterior Roof Vent Caulk - Black	78	Roof	None Detected
CI0010/GD101- 041	47	Exterior	Exterior Built up Roof - Black	79	Roof	None Detected
<b>CI0010/GD101- 042</b>	<b>47</b>	<b>Exterior</b>	<b>Exterior Pipe Caulk - Gray</b>	<b>80</b>	<b>Roof</b>	<b>14% Chrysotile</b>
CI0010/GD101- 043	47	Exterior	Exterior Built up Roof Flashing	81	Roof	None Detected
CI0010/GD101- 044	47	Exterior	Exterior Built up Roof - North	82	Roof	None Detected
<b>CI0010/GD101- 045</b>	<b>47</b>	<b>Exterior</b>	<b>Exterior Roof Chimney Flashing</b>	<b>83</b>	<b>Roof</b>	<b>18% Chrysotile</b>
<b>CI0010/GD101- 046</b>	<b>47</b>	<b>Exterior</b>	<b>Exterior Overhang Caulk - Old Cream</b>	<b>84</b>	<b>E Exit</b>	<b>3% Chrysotile</b>
CI0010/GD101- 047	47	Exterior	Exterior Overhang Caulk - Cream	85	E Exit	None Detected
CI0010/GD101- 048	47	Exterior	Exterior 2nd Layer Shingle - Green	86	W End Center	None Detected
CI0010/GD101- 049	47	Exterior	Exterior 3rd Layer Shingle - Brown	87	W End Center	None Detected
CI0010/GD101- 050	47	Exterior	Exterior 4th Layer Shingle - Brown	88	W End Center	None Detected
CI0010/GD101- 051	47	Exterior	Exterior Roof Felt Layer (Bottom)	89	W End Center	None Detected



# EMSL Analytical, Inc.

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<http://www.EMSL.com> / [annarborlab@emsl.com](mailto:annarborlab@emsl.com)

EMSL Order: 082300626

Customer ID: NOVA53

Customer PO:

Project ID:

**Attention:** Adam Amin  
Nova Environmental, Inc  
5300 Plymouth Rd  
Ann Arbor, MI 48105

**Phone:** (313) 363-5565

**Fax:** (734) 930-2969

**Received Date:** 03/23/2023 11:10 AM

**Analysis Date:** 03/23/2023 - 03/24/2023

**Collected Date:**

**Project:** CI0010/GD101/ Warren Consolidated Schools/ Gerald Drive Building

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CI0010/GD101-001 <small>082300626-0001</small>		Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/GD101-002A <small>082300626-0002</small>	Ceramic	Pink/Beige Non-Fibrous Homogeneous		<1% Quartz 100% Non-fibrous (Other)	None Detected
CI0010/GD101-002B <small>082300626-0003</small>	Grout	White Non-Fibrous Homogeneous		2% Quartz 98% Non-fibrous (Other)	None Detected
CI0010/GD101-002C <small>082300626-0003A</small>	Mortar	Gray Non-Fibrous Homogeneous		4% Quartz 96% Non-fibrous (Other)	None Detected
CI0010/GD101-003 <small>082300626-0004</small>		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/GD101-004 <small>082300626-0005</small>		Brown Non-Fibrous Heterogeneous	96% Cellulose	4% Non-fibrous (Other)	None Detected
CI0010/GD101-005 <small>082300626-0006</small>		Brown/White Fibrous Heterogeneous	3% Cellulose <1% Glass	97% Non-fibrous (Other)	None Detected
CI0010/GD101-006 <small>082300626-0007</small>		Beige Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
CI0010/GD101-007 <small>082300626-0008</small>		Black Non-Fibrous Homogeneous	20% Cellulose	77% Non-fibrous (Other)	3% Chrysotile
CI0010/GD101-008 <small>082300626-0009</small>		Gray Non-Fibrous Homogeneous	<1% Cellulose	5% Quartz 95% Non-fibrous (Other)	None Detected
CI0010/GD101-009 <small>082300626-0010</small>		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/GD101-010 <small>082300626-0011</small>		Gray Non-Fibrous Homogeneous	15% Min. Wool	85% Non-fibrous (Other)	None Detected
CI0010/GD101-011 <small>082300626-0012</small>		Gray Non-Fibrous Homogeneous	18% Min. Wool	82% Non-fibrous (Other)	None Detected
CI0010/GD101-012 <small>082300626-0013</small>		Gray Fibrous Homogeneous	15% Min. Wool	85% Non-fibrous (Other)	None Detected
CI0010/GD101-013A <small>082300626-0014</small>	Ceramic	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/GD101-013B <small>082300626-0015</small>	Grout	Gray Non-Fibrous Homogeneous	<1% Cellulose	5% Quartz 95% Non-fibrous (Other)	None Detected

Initial report from: 03/24/2023 10:56:30



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**EMSL Order:** 082300626  
**Customer ID:** NOVA53  
**Customer PO:**  
**Project ID:**

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CI0010/GD101-014A <small>082300626-0016</small>	FC	White Non-Fibrous Homogeneous	<1% Cellulose	4% Quartz 96% Non-fibrous (Other)	None Detected
CI0010/GD101-014B <small>082300626-0017</small>	BC	Gray Non-Fibrous Homogeneous	<1% Cellulose	7% Quartz 93% Non-fibrous (Other)	None Detected
CI0010/GD101-015A <small>082300626-0018</small>	FC	White Non-Fibrous Homogeneous		4% Quartz 96% Non-fibrous (Other)	None Detected
CI0010/GD101-015B <small>082300626-0019</small>	BC	Gray Non-Fibrous Homogeneous	<1% Cellulose	3% Quartz 97% Non-fibrous (Other)	None Detected
CI0010/GD101-016A <small>082300626-0020</small>	Linoleum	Gray/Various Fibrous Heterogeneous	40% Cellulose	32% Non-fibrous (Other)	28% Chrysotile
CI0010/GD101-016B <small>082300626-0021</small> <i>Insufficient material, mastic not cleanly separable.</i>	Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/GD101-017 <small>082300626-0022</small>	Carpet Glue Only	Tan Non-Fibrous Homogeneous	4% Cellulose	96% Non-fibrous (Other)	None Detected
CI0010/GD101-018 <small>082300626-0023</small>		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/GD101-019A <small>082300626-0024</small>	FC	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/GD101-019B <small>082300626-0025</small>	BC	Gray Non-Fibrous Homogeneous		2% Quartz 30% Perlite 68% Non-fibrous (Other)	None Detected
CI0010/GD101-019C <small>082300626-0025A</small>	Drywall	Brown/White Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
CI0010/GD101-020A <small>082300626-0026</small>	FC	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/GD101-020B <small>082300626-0027</small>	BC	Gray Non-Fibrous Homogeneous	2% Cellulose	3% Quartz 20% Perlite 75% Non-fibrous (Other)	None Detected
CI0010/GD101-020C <small>082300626-0027A</small>	Drywall	Brown/White Fibrous Heterogeneous	4% Cellulose	<1% Quartz 96% Non-fibrous (Other)	None Detected
CI0010/GD101-021A <small>082300626-0028</small>	FC	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/GD101-021B <small>082300626-0029</small>	BC	Gray Non-Fibrous Homogeneous	<1% Cellulose	2% Quartz 18% Perlite 80% Non-fibrous (Other)	None Detected
CI0010/GD101-021C <small>082300626-0029A</small>	Drywall	Brown/White Fibrous Heterogeneous	3% Cellulose	<1% Quartz 97% Non-fibrous (Other)	None Detected
CI0010/GD101-022A <small>082300626-0030</small>	FC	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 03/24/2023 10:56:30



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**EMSL Order:** 082300626  
**Customer ID:** NOVA53  
**Customer PO:**  
**Project ID:**

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CI0010/GD101-022B <small>082300626-0031</small>	BC	Gray Non-Fibrous Homogeneous	<1% Cellulose	2% Quartz 20% Perlite 78% Non-fibrous (Other)	None Detected
CI0010/GD101-023A <small>082300626-0032</small>	FC	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/GD101-023B <small>082300626-0033</small>	BC	Gray Non-Fibrous Homogeneous	<1% Cellulose	3% Quartz 97% Non-fibrous (Other)	None Detected
CI0010/GD101-024A <small>082300626-0034</small>	FC	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/GD101-024B <small>082300626-0035</small>	BC	Gray Non-Fibrous Homogeneous	<1% Cellulose	4% Quartz 96% Non-fibrous (Other)	None Detected
CI0010/GD101-025A <small>082300626-0036</small>	Brick	Yellow/Orange Non-Fibrous Homogeneous		3% Quartz 97% Non-fibrous (Other)	None Detected
CI0010/GD101-025B <small>082300626-0037</small>	Mortar	Gray Non-Fibrous Homogeneous	<1% Cellulose	8% Quartz 92% Non-fibrous (Other)	None Detected
CI0010/GD101-026A <small>082300626-0038</small>	Brick	Blue/Beige Non-Fibrous Heterogeneous		9% Quartz 91% Non-fibrous (Other)	None Detected
CI0010/GD101-026B <small>082300626-0039</small>	Mortar	Gray Non-Fibrous Homogeneous		7% Quartz 93% Non-fibrous (Other)	None Detected
CI0010/GD101-027 <small>082300626-0040</small>		Black/Blue Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
CI0010/GD101-028A <small>082300626-0041</small>	Caulk A	White/Beige Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
CI0010/GD101-028B <small>082300626-0041A</small>	Caulk B	Gray Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
CI0010/GD101-029 <small>082300626-0042</small>		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/GD101-030 <small>082300626-0043</small>		Gray/Beige Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
CI0010/GD101-031 <small>082300626-0044</small>		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CI0010/GD101-032A <small>082300626-0045</small>	Caulk A	Gray Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
CI0010/GD101-032B <small>082300626-0045A</small>	Caulk B	Tan Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
CI0010/GD101-033 <small>082300626-0046</small>		Gray/Tan/White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
CI0010/GD101-034 <small>082300626-0047</small>		Brown/Black/Rust Fibrous Heterogeneous	30% Cellulose 12% Glass	58% Non-fibrous (Other)	None Detected

Initial report from: 03/24/2023 10:56:30



# EMSL Analytical, Inc.

15111 Northville Rd Plymouth, MI 48170

Tel/Fax: (734) 668-6810 / (734) 668-8532

<http://www.EMSL.com> / [annarborlab@emsl.com](mailto:annarborlab@emsl.com)

EMSL Order: 082300626

Customer ID: NOVA53

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CI0010/GD101-035 <i>082300626-0048</i>		White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
CI0010/GD101-036 <i>082300626-0049</i>		White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
CI0010/GD101-037A <i>082300626-0050</i>	Caulk	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
CI0010/GD101-037B <i>082300626-0050A</i>	Tar	Black Non-Fibrous Homogeneous	6% Cellulose	86% Non-fibrous (Other)	8% Chrysotile
CI0010/GD101-038 <i>082300626-0051</i>		Gray/Tan/White Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
CI0010/GD101-039 <i>082300626-0052</i>		Tan/Red/Black Non-Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
CI0010/GD101-040 <i>082300626-0053</i>		Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
CI0010/GD101-041 <i>082300626-0054</i>		Brown/Tan/Black Fibrous Heterogeneous	12% Cellulose 7% Glass	3% Quartz 15% Perlite 63% Non-fibrous (Other)	None Detected
CI0010/GD101-042 <i>082300626-0055</i>		Black Non-Fibrous Homogeneous		86% Non-fibrous (Other)	14% Chrysotile
CI0010/GD101-043 <i>082300626-0056</i>		Black Non-Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
CI0010/GD101-044 <i>082300626-0057</i>		Gray/Black Non-Fibrous Heterogeneous	12% Cellulose 3% Glass	3% Quartz 82% Non-fibrous (Other)	None Detected
CI0010/GD101-045 <i>082300626-0058</i>		Tan/White/Black Non-Fibrous Heterogeneous		82% Non-fibrous (Other)	18% Chrysotile
CI0010/GD101-046 <i>082300626-0059</i>	Caulk Only	Gray/Tan Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
CI0010/GD101-047 <i>082300626-0060</i>	Caulk Only	Tan/Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected





# EMSL Analytical, Inc.

15111 Northville Rd Plymouth, MI 48170

Tel/Fax: (734) 668-6810 / (734) 668-8532

<http://www.EMSL.com> / [annarborlab@emsl.com](mailto:annarborlab@emsl.com)

**EMSL Order:** 082300626

**Customer ID:** NOVA53

**Customer PO:**

**Project ID:**

Analyst(s)

Ashton Bullock (40)

Eric Budai (10)

Madeline Ryan (17)

Eric Budai, Laboratory Manager  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Plymouth, MI NVLAP Lab Code 101048-4

Initial report from: 03/24/2023 10:56:30



# EMSL Analytical, Inc.

15111 Northville Rd Plymouth, MI 48170

Tel/Fax: (734) 668-6810 / (734) 668-8532

<http://www.EMSL.com> / [annarborlab@emsl.com](mailto:annarborlab@emsl.com)

EMSL Order: 082300657

Customer ID: NOVA53

Customer PO:

Project ID:

**Attention:** Adam Amin  
Nova Environmental, Inc  
5300 Plymouth Rd  
Ann Arbor, MI 48105

**Phone:** (313) 363-5565

**Fax:** (734) 930-2969

**Received Date:** 03/28/2023 12:00 PM

**Analysis Date:** 03/29/2023

**Collected Date:**

**Project:** CI0010/GD101/Warren Consolidated Schools/11131 Gerald Dr.

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CI0010/GD101-048 <i>082300657-0001</i>		White/Black/Green Non-Fibrous Homogeneous	<1% Cellulose 6% Glass	94% Non-fibrous (Other)	None Detected
CI0010/GD101-049 <i>082300657-0002</i>		Gray/Red/Black Non-Fibrous Homogeneous	15% Cellulose <1% Glass	85% Non-fibrous (Other)	None Detected
CI0010/GD101-050 <i>082300657-0003</i>		Brown/Gray/Black Non-Fibrous Homogeneous	14% Cellulose 2% Glass	84% Non-fibrous (Other)	None Detected
CI0010/GD101-051 <i>082300657-0004</i>		Black Non-Fibrous Homogeneous	30% Cellulose <1% Synthetic <1% Glass	70% Non-fibrous (Other)	None Detected

Analyst(s)

Madeline Ryan (4)

Eric Budai, Laboratory Manager  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Plymouth, MI NVLAP Lab Code 101048-4

Initial report from: 03/29/2023 11:59:57



**Warren Consolidated Schools  
11131 Gerald Drive**

**Section IV  
Facility Information/Diagram**

This section includes information provided by Warren Consolidated Schools on this facility. Specifically, this information contains the following:

- Functional Space Listing
- Diagram of 11131 Gerald Drive

**Warren Consolidated Schools**Gerald Drive Building  
Functional Space Listing

<b>FS#</b>	<b>FS Description</b>
1	Boiler Room
2	East Stairwell Storage
3	Custodial Closet
4	SE Storage
5	Washroom Storage
6	Washroom
7	W Storage
8	Shuffleboard Room
9	N Storage
10	Basement Common Room
11	Basement Restroom
12	Basement Hallway
12.1	Basement Restroom Closet
12.2	Basement Restroom Hallway
12.3	Basement Hallway Closet
13	Basement/1st Floor Stairwell
14	Kitchen
15	Dining Room
16	Living Room
17	Side Entry Door Room
18	Side Entry Office
19	Bedroom 1
20	Bedroom 1 Restroom
21	1st Floor Hallway Restroom
22	Chapel
23	Main Hallway Closet
24	1st Floor Main Restroom
25	Cleaning Supply Room
26	Locker Room
27	1st Floor Hallway
27.1	E 1st/2nd Floor Stairwell Lobby
28	W Stairwell
29	Upstairs Storage
30	2nd Floor Cleaning Supply Closet
31	2nd Floor Restroom/Shower Room
32	Room 5
33	Room 3
34	Coat Closet
35	Room 1
36	Room 2
37	Room 4
38	Room 6
39	Room 7
40	Room 8
41	Clothing Storage
41.1	2nd Floor W Restroom
42	Room 9
43	Room 10

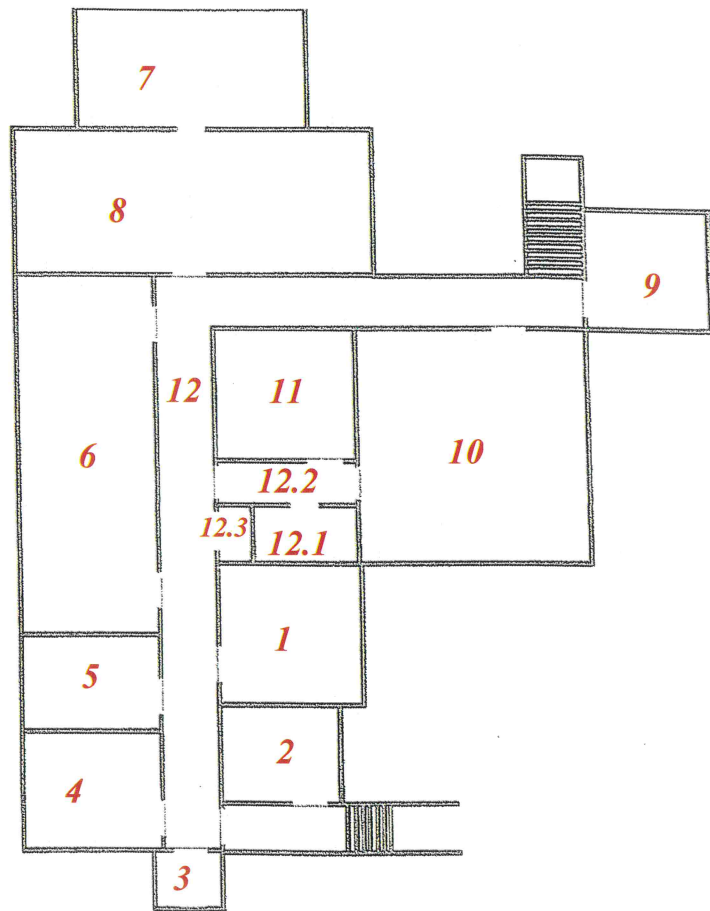
**Warren Consolidated Schools**

Gerald Drive Building  
Functional Space Listing

<b>FS#</b>	<b>FS Description</b>
44	Linen Closet
45	2nd Floor Hallway
46	2nd/1st Floor E Stariwell
47	Exterior

Warren Consolidated Schools  
11131 Gerald Dr.  
Functional Space Map

BASEMENT

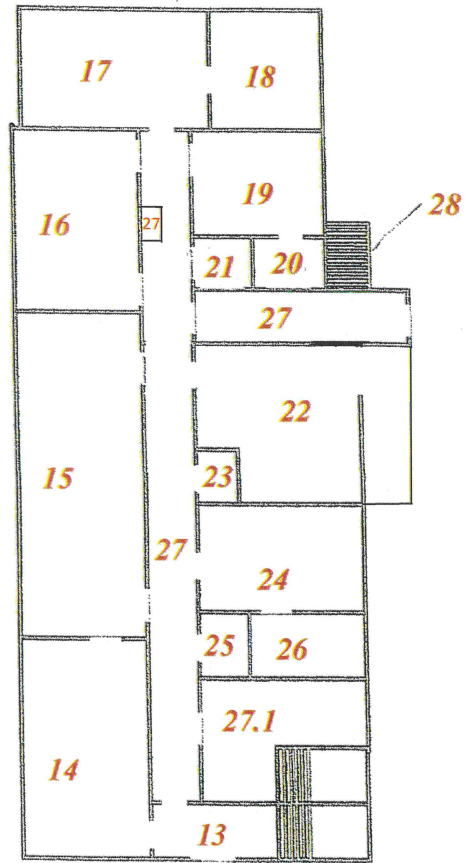


North →

Warren Consolidated Schools  
11131 Gerald Dr.  
Functional Space Map

1ST FLOOR

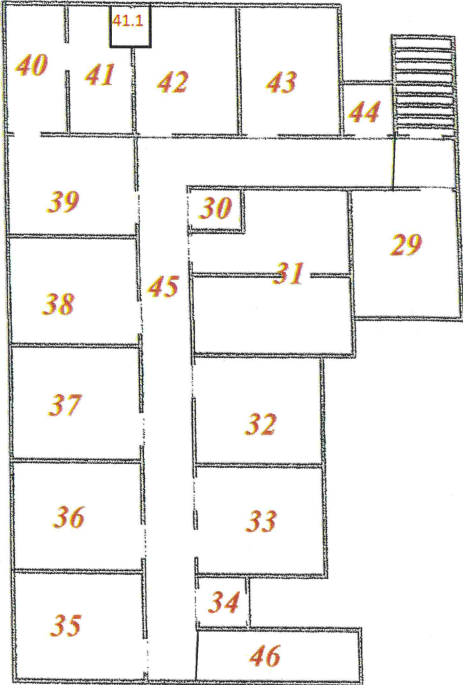
#47 - Exterior



North →

Warren Consolidated Schools  
11131 Gerald Dr.  
Functional Space Map

2ND Floor



North →





**Warren Consolidated Schools  
11131 Gerald Drive**

**Section V  
Qualifications/Certifications & General Disclaimer Statement**

This section provides the qualifications/certifications of the Nova Environmental, Inc. Accredited Inspectors and the Laboratory used for sample analysis. Also located within this section is a general disclaimer statement on the inspection conducted. The following forms are located within this section:

Bulk Sampling Information form  
Laboratory Information form  
Copy of Inspectors' Michigan Accreditation Cards  
General Disclaimer Statement



## BULK SAMPLING INFORMATION

This form provides information regarding the collection of bulk samples, in accordance with 40 CFR, part 763.85(b)(vii)(B).

1. **Date(s) of Bulk Sampling (Project #CI0012/GD101):**

March 22-23, 2023 / March 28, 2023

2. **Name of Accredited Inspector(s) who collected Bulk Sample(s):**

Andrew Kokoszka / Russell Love / Carol May / Adam Amin

3. **Signature of Accredited Inspector(s) who collected Bulk Sample(s):**

Handwritten signatures in blue ink for Andrew Kokoszka, Russell Love, Carol May, and Adam Amin.

4. **State of Accreditation of Inspector(s) who collected Bulk Sample(s):**

Michigan / Michigan / Michigan / Michigan

5. **Accreditation Number of Accredited Inspector(s) who collected Bulk Sample(s):**

A57924 / A60073 / A60072 / A3753

**Note:** Description of the manner used to determine sample locations:

All Samples are collected in accordance with 40 CFR, Part 763.86 and the EPA's Asbestos in Buildings: Simplified Sampling Scheme for Friable Surfacing Materials.

**State of Michigan**  
Department of Labor and Economic Opportunity  
Michigan Occupational Safety & Health Administration - Asbestos Program

**Asbestos Inspector**

  
**Andrew Kokoszka**  
c/o Nova Environmental, Inc.  
5300 Plymouth Rd.  
Ann Arbor, MI 48105

  
DOB: 02/17/1988


**Accreditation Number** **Expiration Date**  
A57924 10/08/2023

This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1988, as amended, to be accredited as an Asbestos Inspector.

Accreditation card is not valid if altered. 160202


**State of Michigan**  
Department of Labor and Economic Opportunity  
Michigan Occupational Safety & Health Administration - Asbestos Program

**Asbestos Inspector**

  
**Russell Love**  
5300 Plymouth Road  
Ann Arbor, MI 48105

**Accreditation Number**  
**A60073**

**Expiration Date**  
**01/25/2024**

  
DOB: 06/22/1996

This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1988, as amended, to be accredited as an Asbestos Inspector.

Accreditation card is not valid if altered.

**161255**

**State of Michigan**  
Department of Labor and Economic Opportunity  
Michigan Occupational Safety & Health Administration - Asbestos Program

**Asbestos Inspector**

 **Carol May**  
c/o Nova Environmental  
5300 Plymouth Road  
Ann Arbor, MI 48105





**Accreditation Number** **Expiration Date**  
**A60072** **01/25/2024**

DOB: 04/03/1998

This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1988, as amended, to be accredited as an Asbestos Inspector.

Accreditation card is not valid if altered. **161256**

**State of Michigan**  
 Department of Labor and Economic Opportunity  
 Michigan Occupational Safety & Health Administration - Asbestos Program

**Asbestos Inspector**

**Adam S. Amin**  
 c/o Nova Environmental, Inc.  
 5300 Plymouth Road  
 Ann Arbor, MI 48105

**Accreditation Number** **A3753**      **Expiration Date** **10/16/2023**      **DOB: 06/20/1958**

This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1988, as amended, to be accredited as an Asbestos Inspector.

Accreditation card is not valid if altered.      160192

**State of Michigan**  
 Department of Labor and Economic Opportunity  
 Michigan Occupational Safety & Health Administration - Asbestos Program

**Asbestos Management Planner**

**Adam S. Amin**  
 c/o Nova Environmental, Inc.  
 5300 Plymouth Road  
 Ann Arbor, MI 48105

**Accreditation Number** **A3753**      **Expiration Date** **10/16/2023**      **DOB: 06/20/1958**

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.

Accreditation card is not valid if altered.      160193

**State of Michigan**  
 Department of Labor and Economic Opportunity  
 Michigan Occupational Safety & Health Administration - Asbestos Program

**Asbestos Project Designer**

**Adam S. Amin**  
 c/o Nova Environmental, Inc.  
 5300 Plymouth Road  
 Ann Arbor, MI 48105

**Accreditation Number** **A3753**      **Expiration Date** **10/16/2023**      **DOB: 06/20/1958**

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.

Accreditation card is not valid if altered.      160194

**State of Michigan**  
 Department of Labor and Economic Opportunity  
 Michigan Occupational Safety & Health Administration - Asbestos Program

**Asbestos Contractor/Supervisor**

**Adam S. Amin**  
 c/o Nova Environmental, Inc.  
 5300 Plymouth Road  
 Ann Arbor, MI 48105

**Accreditation Number** **A3753**      **Expiration Date** **10/16/2023**      **DOB: 06/20/1958**

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.

Accreditation card is not valid if altered.      160195



## LABORATORY INFORMATION

1. **Name of Laboratory:**

EMSL

2. **Address of Laboratory:**

15111 Northville Rd., Plymouth, MI 48170

3. **Name of Analyst:**

Ashton Bullock / Eric Budai / Madeline Ryan

4. **Signature of Analyst:**

See Attached Laboratory Results Sheet

5. **Date(s) of Analysis:**

March 23-24, 2023 / March 29, 2023

6. **National Voluntary Laboratory Accreditation Program (NVLAP) Number:**

101048-4

7. **Applicable Requirements Statement:**

Samples are analyzed for asbestos by laboratories accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), in accordance with 40 CFR, Part 763.87(a). This program is provided under the auspices of the United States Department of Commerce National Institute of Standards and Technology. Question #6 provides the NVLAP Accreditation Number for the laboratory, which performed the asbestos bulk analysis on the samples collected.

***Nova Environmental, Inc.***  
***ACM Inspection***  
***General Disclaimer Statement***

The intent of this General Disclaimer Statement is to provide an understanding of the inherent limitations of typical asbestos-containing materials (ACM) inspections. Additional limitations specific to this building's inspection are identified in Section I of this report.

***REGULATIONS and STANDARDS***

Nova Environmental, Inc. made every effort to conduct the ACM inspection in accordance with 40 CFR Part 61 of the EPA's NESHAP regulation and 29 CFR Part 1926.1101 of the OSHA Asbestos Construction Standard, (Michigan Part 602), utilizing inspection and sampling strategies identified in 40 CFR Part 763 of the EPA's AHERA regulation. However, it should be noted that, since Nova Environmental, Inc. did not use destructive means to access materials, this ACM inspection includes only accessible building components.

If any building material or component is encountered that is not identified within this ACM inspection report, it should be assumed and treated as ACM until bulk samples are collected and analyzed in order to determine asbestos content.

***ASBESTOS TERMINOLOGY***

Many of the terms and phrases used within this ACM inspection report were derived from the EPA's AHERA regulation. Although AHERA is only associated with K-12 schools and associated buildings, both EPA and OSHA reference the AHERA regulation when identifying the strategy for conducting ACM inspections. As a result, the Nova Environmental, Inc. uses AHERA terms and phrases within all ACM inspections, even those conducted in non K-12 buildings and facilities.

***SAMPLING STRATEGIES***

Nova Environmental, Inc. conducted bulk sampling in accordance with the EPA's AHERA regulation and the EPA's Simplified Sampling Scheme. At least one bulk sample was collected and analyzed for each homogeneous area except for those materials that are assumed ACM or for those TSI materials that are assumed by the Michigan Accredited Asbestos Inspector to be non-ACM such as fiberglass, foam glass or rubber, (in accordance with 763.86 of the AHERA regulation).

Nova Environmental, Inc. utilizes an independent third party laboratory that is NVLAP accredited to conduct the bulk sample analysis.

If one or more bulk samples of a given homogeneous area is tested positive for asbestos, the homogeneous area is identified as ACM within this report.

If a bulk sample result is listed as trace or less than 1% asbestos but greater than none detect, Nova Environmental, Inc. will either identify the homogeneous area as ACM or have the sample point counted. The point count sample result will be used to determine if the homogeneous area is ACM or non-ACM. If the laboratory identifies a disclaimer stating that point count samples should have gravimetric reduction performed, the client must specifically request this type of sample preparation from Nova Environmental, Inc.

***ASSUMED ACM***

Normally, Nova Environmental, Inc. assumes that fire doors (tagged), fire door frames (tagged), all materials associated with ceramic and roofs are assumed ACM. This is due to the level of destructive means to bulk sample these types of materials. It is Nova's policy to assume these materials to be ACM unless specifically agreed upon by Nova and its client.



**WARREN CONSOLIDATED SCHOOLS**  
**REGULATED CONSTRUCTION WASTE REPORT**  
**FOR**  
**11131 GERALD DR.**  
**MARCH 22-23, 2023**





April 4, 2023

Ms. Laura Mabee  
Manager of Auxiliary Services  
Warren Consolidated Schools  
31950 Mound Rd.  
Warren, MI 48092

Dear Ms. Mabee:

Enclosed please find the Regulated Construction Waste Report for 11131 Gerald Dr. This Report is separated into the following sections:

- Section I                      Background
- Section II                     Description of Inspection Procedure
- Section III                    Regulated Construction Waste Report Listed by Material

The on-site Regulated Construction Waste of the above-mentioned facility was conducted by an Inspector from Nova Environmental, Inc.

If you have any questions or concerns regarding the enclosed material, please feel free to contact me at (734) 930-0995.

Thank you for choosing Nova Environmental, Inc.

Sincerely,

NOVA ENVIRONMENTAL, INC.

Adam Amin  
Senior Environmental Consultant

AA/ab



**Regulated Construction Waste  
For  
11131 Gerald Dr.**

**Section I**

**Background/Regulated Construction Waste Information**

**Background:**

On March 22-23, 2023, Nova Environmental, Inc. began conducting an on-site inspection of Regulated Construction Waste within the 11131 Gerald Dr.

The intent of these inspections was to provide data on potentially Regulated Construction Waste components within the facility. The Regulated Construction Waste Report will provide a list of material or components, outlined as potentially Hazardous, for each functional space of the building.

**Regulated Construction Waste  
For  
11131 Gerald Dr.**

**Section I (Continued)**

**Background/Regulated Construction Waste Information**

**Regulated Construction Waste Information:**

Name of Client: Warren Consolidated Schools

Name of Building: 11131 Gerald Dr.

Address of Building: 11131 Gerald Dr.

Date(s) of Inspection: March 22-23, 2023

Contact Person: Laura Mabee

Name(s) of Inspector(s): Russel Love / Carol May



**Regulated Construction Waste  
For  
11131 Gerald Dr.**

**Section II**

**Description of Inspection Procedure**

**Inspection Strategy/Regulated Construction Waste Selection Process:**

The following is a listing of the inspection strategy agreed upon between Warren Consolidated Schools and Nova Environmental, Inc. representatives:

- The Regulated Construction Waste inspection was limited to the following components/materials:
  - Fluorescent Ballasts
  - High Intensity Discharge Bulbs
  - Air Conditioners
  - Emergency Bulbs
  - Exit Signs
  - Smoke Detectors
  - Security Systems
  - Thermostats
  - Mercury Switches
  - Fire Extinguishers
  - Refrigerators
  - Sink Traps
  - Drinking Fountains



**Regulated Construction Waste  
For  
11131 Gerald Dr.**

**Section III**

**Regulated Construction Waste Report**

**Warren Consolidated Schools**

Gerald Drive Building

RCW Listing

<b>RBM #</b>	<b>RBM Description</b>
1	Fire Extinguishers
2	Smoke Detectors
3	Thermostats
4	Mercury Switches
5	Fluorescent Ballasts
6	Fluorescent Bulbs
7	Air Conditioners
8	Security Systems
9	Sink Traps

**Warren Consolidated Schools**

Gerald Drive Building  
RCW by Functional Space

<b>FS#</b>	<b>FS Description</b>	<b>RBM #</b>	<b>RBM Description</b>	<b>RBM Amount</b>
1	Boiler Room	1	Fire Extinguishers	1
1	Boiler Room	3	Thermostats	1
1	Boiler Room	4	Mercury Switches	8
6	Washroom	5	Fluorescent Ballasts	4
6	Washroom	6	Fluorescent Bulbs	8
10	Basement Common Room	4	Mercury Switches	1
12	Basement Hallway	2	Smoke Detectors	1
14	Kitchen	1	Fire Extinguishers	1
14	Kitchen	5	Fluorescent Ballasts	4
14	Kitchen	6	Fluorescent Bulbs	8
15	Dining Room	4	Mercury Switches	1
18	Side Entry Office	4	Mercury Switches	1
20	Bedroom 1 Restroom	5	Fluorescent Ballasts	2
20	Bedroom 1 Restroom	6	Fluorescent Bulbs	2
22	Chapel	4	Mercury Switches	1
22	Chapel	5	Fluorescent Ballasts	4
22	Chapel	6	Fluorescent Bulbs	8
22	Chapel	7	Air Conditioners	1
22	Chapel	8	Security Systems	1
25	Cleaning Supply Room	9	Sink Traps	1
27	1st Floor Hallway	1	Fire Extinguishers	1
27	1st Floor Hallway	2	Smoke Detectors	1
27.1	E 1st/2nd Floor Stairwell Lobby	4	Mercury Switches	1
28	W Stairwell	2	Smoke Detectors	1
30	2nd Floor Cleaning Supply Closet	9	Sink Traps	1
33	Room 3	4	Mercury Switches	1
35	Room 1	3	Thermostats	1
40	Room 8	5	Fluorescent Ballasts	1
40	Room 8	6	Fluorescent Bulbs	2
41	Clothing Storage	4	Mercury Switches	1
41.1	2nd Floor W Restroom	5	Fluorescent Ballasts	2
41.1	2nd Floor W Restroom	6	Fluorescent Bulbs	2
45	2nd Floor Hallway	1	Fire Extinguishers	2
45	2nd Floor Hallway	2	Smoke Detectors	1
46	2nd/1st Floor E Stairwell	2	Smoke Detectors	1



**Warren Consolidated Schools**

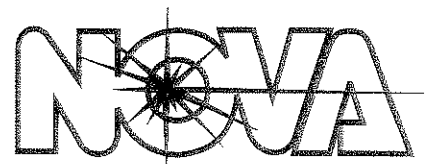
Gerald Drive Building  
RCW by Material

<b>FS#</b>	<b>FS Description</b>	<b>RBM #</b>	<b>RBM Description</b>	<b>RBM Amount</b>
1	Boiler Room	1	Fire Extinguishers	1
14	Kitchen	1	Fire Extinguishers	1
27	1st Floor Hallway	1	Fire Extinguishers	1
45	2nd Floor Hallway	1	Fire Extinguishers	2
12	Basement Hallway	2	Smoke Detectors	1
27	1st Floor Hallway	2	Smoke Detectors	1
28	W Stairwell	2	Smoke Detectors	1
45	2nd Floor Hallway	2	Smoke Detectors	1
46	2nd/1st Floor E Stairwell	2	Smoke Detectors	1
1	Boiler Room	3	Thermostats	1
35	Room 1	3	Thermostats	1
1	Boiler Room	4	Mercury Switches	8
10	Basement Common Room	4	Mercury Switches	1
15	Dining Room	4	Mercury Switches	1
18	Side Entry Office	4	Mercury Switches	1
22	Chapel	4	Mercury Switches	1
27.1	E 1st/2nd Floor Stairwell Lobby	4	Mercury Switches	1
33	Room 3	4	Mercury Switches	1
41	Clothing Storage	4	Mercury Switches	1
6	Washroom	5	Fluorescent Ballasts	4
14	Kitchen	5	Fluorescent Ballasts	4
20	Bedroom 1 Restroom	5	Fluorescent Ballasts	2
22	Chapel	5	Fluorescent Ballasts	4
40	Room 8	5	Fluorescent Ballasts	1
41.1	2nd Floor W Restroom	5	Fluorescent Ballasts	2
6	Washroom	6	Fluorescent Bulbs	8
14	Kitchen	6	Fluorescent Bulbs	8
20	Bedroom 1 Restroom	6	Fluorescent Bulbs	2
22	Chapel	6	Fluorescent Bulbs	8
40	Room 8	6	Fluorescent Bulbs	2
41.1	2nd Floor W Restroom	6	Fluorescent Bulbs	2
22	Chapel	7	Air Conditioners	1
22	Chapel	8	Security Systems	1
25	Cleaning Supply Room	9	Sink Traps	1
30	2nd Floor Cleaning Supply Closet	9	Sink Traps	1

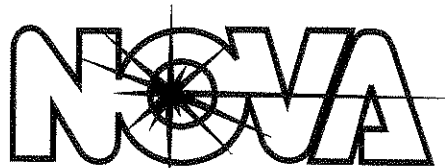
**WARREN CONSOLIDATED SCHOOLS**

**ASBESTOS INSPECTION REPORT FOR  
ST. SYLVESTER CONVENT**

**AUGUST 2004**



**NOVA ENVIRONMENTAL, INC.**  
5340 Plymouth Rd., Suite 210  
Ann Arbor, MI 48105  
(734) 930-0995



**ENVIRONMENTAL, INC.**

5340 PLYMOUTH RD. SUITE 210

ANN ARBOR, MICHIGAN 48105

734-930-0995

August 24, 2004

Ms. Shirley Davis  
Implementor County, State, Federal Regulations  
Warren Consolidated Schools  
31950 Mound Rd.  
Warren, MI 48092

Dear Ms. Davis:

The following is the Asbestos Inspection Report prepared for Warren Consolidated Schools, St. Sylvester Convent.

The Asbestos Inspection, conducted by Nova Environmental, Inc., is separated into the following sections:

- Section I Background/Inspection Information
- Section II Inspection Results
- Section III Laboratory Results and Sample Analysis
- Section IV Facility Information/Diagrams
- Section V Qualifications/Certifications & General Disclaimer Statement

If you have any questions or concerns regarding the information presented within this report, please feel free to contact me at (734) 930-0995.

Thank you for choosing Nova Environmental, Inc.

Sincerely,

NOVA ENVIRONMENTAL, INC.

Steven K. Cretsinger  
Sr. Environmental Consultant

SKC/ij



**Warren Consolidated Schools  
St. Sylvester Convent**

**Section I  
Background/Inspection Information**

**Background:**

During the Month of August, 2004, representatives of Nova Environmental, Inc. conducted an in-depth Asbestos Inspection within St. Sylvester Convent. The intent of this inspection was to determine potential asbestos content within interior and exterior accessible building materials/components.

During the on-site inspection phase, Nova collected a total of 58 bulk samples. Each of these samples was analyzed under Polarizing Light Microscopy (PLM) by EMSL Analytical, Inc., an accredited laboratory, utilizing EPA 600/R-93/116 Method. All laboratory result sheets are located in Section III of this report.

It should be noted that the following limitations were realized during the inspection phase:

- Nova Environmental, Inc. only collected bulk samples of accessible suspect asbestos-containing material (ACM). Nova conducted no destructive sampling, therefore, no inaccessible materials are included as part of this report.
- It should be noted that hidden pipe chases are located within various walls within the Building. These pipe chases need to be investigated prior to demolition through destructive access means.
- No roofing materials were bulk sampled or included as part of this report.

A General Disclaimer Statement regarding this asbestos inspection is located in Section V of this Report.

## **Inspection Information:**

All bulk samples were collected by Michigan Accredited Asbestos Inspectors in accordance with 40 CFR Part 763 of the EPA's AHERA regulation. This sampling strategy is required according to 29 CFR Part 1926.1101 of the OSHA Asbestos Construction Standard for public and commercial buildings.

There are several terms/phrases that are identified in the various EPA and OSHA asbestos regulations, which are used within this inspection report. They are as follows:

- ***Asbestos-Containing Material (ACM):***  
Refers to a material, which contains more than 1% asbestos. If a given material contains over 1% asbestos, it is considered asbestos by all federal and state government agencies. If the material contains less than or equal to 1 % asbestos, it is legally non-asbestos.
- ***Friable:***  
Refers to the ability of the material to crumble or pulverize under hand pressure when dry.
- ***Functional Space (FS):***  
Means a room, group of rooms or separate independent area, such as hallways, restrooms, etc.
- ***Homogeneous Area:***  
Refers to a material that is uniform in color and texture.
- ***Miscellaneous Material:***  
Any material, which is not classified as thermal system insulation or surfacing material.
- ***Surfacing Material:***  
Means material that is sprayed trowelled-on or otherwise applied to surfaces, (such as acoustical plaster on ceilings and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, and other purposes).
- ***Thermal System Insulation (TSI):***  
Means ACM applied to pipes, fittings, boilers, breeching, tanks, ducts or other structural components to prevent heat loss or gain.



Warren Consolidated Schools  
St. Sylvester Convent

Section II  
Inspection Results

This section is delineated into three separate sub-sections. Included in each sub-section are FS# or functional space numbers, FS Description, Material Description, amount of material present, whether the material is positive, negative or assumed asbestos and its present status. Please note that within the sub-sections all materials tested **positive** or **assumed** to be asbestos are in bold, while all materials tested negative for asbestos are in regular type.

A listing and description of each sub-section follows:

- ***List by Functional Space Number***  
This listing provides all inspection information organized by functional space. The functional space numbers correspond to the room number listed on the included map in section IV.
- ***List by Positive, Assumed, Negative Homogeneous Areas***  
This listing provides all homogeneous areas, or material description, that are positive for asbestos or assumed to be asbestos first, organized by functional space. The homogeneous areas that were tested negative for asbestos and corresponding functional spaces follow.
- ***List by Homogeneous Areas***  
This listing provides all inspection information organized by homogenous area, or material description.

The laboratory results are located in Section III of this Report.

**Warren Consolidated Schools  
St. Sylvester Convent  
List by Functional Space**

FS#	FS Description	Material Description	Amount	Units	Asbestos	Status
1	<b>Boiler Room</b>	<b>Fire Door</b>	1	<b>Total</b>	<b>Assumed</b>	<b>Present</b>
1	<b>Boiler Room</b>	<b>Frame - Tagged</b>	1	<b>Total</b>	<b>Assumed</b>	<b>Present</b>
1	Boiler Room	Swirled Plaster Ceiling ( Finish coat)	144	Sq. Ft.	Negative	Present
1	Boiler Room	Swirled Plaster Ceiling ( Brown coat)	144	Sq. Ft.	Negative	Present
1	Boiler Room	Fiberglass Pipe Insulation	3	Ln. Ft.	Negative	Present
1	Boiler Room	Mud Fittings	6	Total	Negative	Present
1	Boiler Room	Cinderblock			Negative	Present
1	Boiler Room	Mortar of Cinderblock			Negative	Present
1	Boiler Room	Concrete Floor	144	Sq. Ft.	Negative	Present
2	Food Storage	Smooth Plaster (Finish coat)	80	Sq. Ft.	Negative	Present
2	Food Storage	Smooth Plaster (Brown coat)	80	Sq. Ft.	Negative	Present
2	Food Storage	Cinderblock			Negative	Present
2	Food Storage	Mortar of Cinderblock			Negative	Present
2	Food Storage	Concrete Floor	80	Sq. Ft.	Negative	Present
3	Slop Sink Room	Smooth Plaster (Finish coat)	30	Sq. Ft.	Negative	Present
3	Slop Sink Room	Smooth Plaster (Brown coat)	30	Sq. Ft.	Negative	Present
3	Slop Sink Room	Cinderblock			Negative	Present
3	Slop Sink Room	Mortar of Cinderblock			Negative	Present
3	Slop Sink Room	Concrete Floor	30	Sq. Ft.	Negative	Present
4	<b>General Storage</b>	<b>9"x 9" FT White w/ Black Streaks</b>	<b>120</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
4	General Storage	Smooth Plaster (Finish coat)	120	Sq. Ft.	Negative	Present
4	General Storage	Smooth Plaster (Brown coat)	120	Sq. Ft.	Negative	Present
4	General Storage	Mastic of 9" x 9" FT White w/ Black Steaks	120	Sq. Ft.	Negative	Present
4	General Storage	4" Black covebase	44	Ln. Ft.	Negative	Present
4	General Storage	Mastic of 4" Black covebase	44	Ln. Ft.	Negative	Present
4	General Storage	Cinderblock			Negative	Present
4	General Storage	Mortar of Cinderblock			Negative	Present
5	<b>Laundry Storage</b>	<b>9" x 9" FT Lt. Brown w/ Drk Brown Streaks</b>	<b>96</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
5	<b>Laundry Storage</b>	<b>Mastic of 9" x 9" Lt. Brown FT w/ Drk Brown Streaks</b>	<b>96</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
5	<b>Laundry Storage</b>	<b>Light Heat Shield</b>	<b>2</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
5	Laundry Storage	Smooth Plaster (Finish coat)	96	Sq. Ft.	Negative	Present
5	Laundry Storage	Smooth Plaster (Brown coat)	96	Sq. Ft.	Negative	Present
5	Laundry Storage	4" Brown covebase	14	Ln. Ft.	Negative	Present
5	Laundry Storage	Mastic of 4" Brown covebase	14	Ln. Ft.	Negative	Present
5	Laundry Storage	Cinderblock			Negative	Present
5	Laundry Storage	Mortar of Cinderblock			Negative	Present
6	<b>Laundry Room</b>	<b>9" x 9" FT White w/ Black Streaks</b>	<b>300</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
6	<b>Laundry Room</b>	<b>Light Heat Shield</b>	<b>3</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
6	Laundry Room	Smooth Plaster (Finish coat)			Negative	Present

**Warren Consolidated Schools  
St. Sylvester Convent  
List by Functional Space**

FS#	FS Description	Material Description	Amount	Units	Asbestos	Status
6	Laundry Room	Smooth Plaster (Brown coat)			Negative	Present
6	Laundry Room	Fiberglass Pipe Insulation	15	Ln. Ft	Negative	Present
6	Laundry Room	Mud Fittings	6	Total	Negative	Present
6	Laundry Room	Mastic of 9" x 9" FT White w/ Black Steaks	300	Sq. Ft.	Negative	Present
6	Laundry Room	4" Black covebase	75	Ln. Ft	Negative	Present
6	Laundry Room	Mastic of 4" Black covebase	75	Ln. Ft	Negative	Present
6	Laundry Room	Cinderblock			Negative	Present
6	Laundry Room	Mortar of Cinderblock			Negative	Present
7	Furniture Storage	Cinderblock			Negative	Present
7	Furniture Storage	Mortar of Cinderblock			Negative	Present
7	Furniture Storage	Concrete Floor	200	Sq. Ft.	Negative	Present
8	<b>Workout Room</b>	<b>9"x 9" FT Dark Brown w/ Dark Brown Streaks</b>	<b>375</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
8	Workout Room	1' x 1' CP Dots and Gouges	375	Sq. Ft.	Negative	Present
8	Workout Room	Glue Pods of 1' x 1' CP Dots and Gouges	375	Sq. Ft.	Negative	Present
8	Workout Room	Fiberglass Pipe Insulation	36	Ln. Ft	Negative	Present
8	Workout Room	4" Brown covebase	85	Ln. Ft	Negative	Present
8	Workout Room	Mastic of 4" Brown covebase	85	Ln. Ft	Negative	Present
8	Workout Room	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	375	Sq. Ft.	Negative	Present
8	Workout Room	Cinderblock			Negative	Present
8	Workout Room	Mortar of Cinderblock			Negative	Present
9	West Stair Storage	Fiberglass Pipe Insulation	65	Ln. Ft	Negative	Present
9	West Stair Storage	Mud Fittings	15	Ln. Ft	Negative	Present
9	West Stair Storage	Cinderblock	100	Sq. Ft.	Negative	Present
9	West Stair Storage	Mortar of Cinderblock			Negative	Present
9	West Stair Storage	Concrete Floor	100	Sq. Ft.	Negative	Present
10	<b>Office Basement</b>	<b>9"x 9" FT Lt. Brown w/ Drk Brown Streaks</b>	<b>300</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
10	<b>Office Basement</b>	<b>Mastic of 9"x 9" Lt. Brown FT w/ Drk Brown Streaks</b>	<b>300</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
10	Office Basement	Smooth Plaster (Finish coat)			Negative	Present
10	Office Basement	Smooth Plaster (Brown coat)			Negative	Present
10	Office Basement	4" Brown covebase	75	Ln. Ft	Negative	Present
10	Office Basement	Mastic of 4" Brown covebase	75	Ln. Ft	Negative	Present
10	Office Basement	Cinderblock			Negative	Present
10	Office Basement	Mortar of Cinderblock			Negative	Present
11	<b>Basement Bath</b>	<b>Light Heat Shield</b>	<b>1</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
11	Basement Bath	Smooth Plaster (Finish coat)	25	Sq. Ft.	Negative	Present
11	Basement Bath	Smooth Plaster (Brown coat)	25	Sq. Ft.	Negative	Present
11	Basement Bath	Cinderblock			Negative	Present
11	Basement Bath	Mortar of Cinderblock			Negative	Present



**Warren Consolidated Schools  
St. Sylvester Convent  
List by Functional Space**

FS#	FS Description	Material Description	Amount	Units	Asbestos	Status
12	Basement Corridor	9" x 9" FT Lt. Brown w/ Drk Brown Streaks	300	Sq. Ft.	Positive	Present
12	Basement Corridor	Mastic of 9" x 9" Lt. Brown FT w/ Drk Brown Streaks	300	Sq. Ft.	Positive	Present
12	Basement Corridor	Light Heat Shield	10	Total	Positive	Present
12	Basement Corridor	Fiberglass Pipe Insulation	75	Ln. Ft	Negative	Present
12	Basement Corridor	Mud Fittings	24	Ln. Ft	Negative	Present
12	Basement Corridor	4" Brown covebase	140	Ln. Ft	Negative	Present
12	Basement Corridor	Mastic of 4" Brown covebase	140	Ln. Ft	Negative	Present
12	Basement Corridor	2' x 4' CP Dots and Gouges	300	Sq. Ft.	Negative	Present
12	Basement Corridor	Cinderblock			Negative	Present
12	Basement Corridor	Mortar of Cinderblock			Negative	Present
13	East Stairway	9" x 9" FT Lt. Brown w/ Drk Brown Streaks	110	Sq. Ft.	Positive	Present
13	East Stairway	Mastic of 9" x 9" Lt. Brown FT w/ Drk Brown Streaks	110	Sq. Ft.	Positive	Present
13	East Stairway	Light Heat Shield	1	Total	Positive	Present
13	East Stairway	Smooth Plaster (Finish coat)			Negative	Present
13	East Stairway	Smooth Plaster (Finish coat)			Negative	Present
13	East Stairway	Smooth Plaster (Brown coat)			Negative	Present
13	East Stairway	Smooth Plaster (Brown coat)			Negative	Present
13	East Stairway	4" Brown covebase	5	Ln. Ft	Negative	Present
13	East Stairway	Mastic of 4" Brown covebase	5	Ln. Ft	Negative	Present
13	East Stairway	Cinderblock			Negative	Present
13	East Stairway	Mortar of Cinderblock			Negative	Present
13	East Stairway	Stair tread Brown	100	Sq. Ft.	Negative	Present
13	East Stairway	Mastic of Stair tread Brown	100	Sq. Ft.	Negative	Present
13	East Stairway	6" Brown covebase	75	Ln. Ft	Negative	Present
13	East Stairway	Mastic of 6" Brown covebase	75	Ln. Ft	Negative	Present
14	Kitchen	Marble Linoleum Lt. colored w/ Blue Dots	240	Sq. Ft.	Positive	Present
14	Kitchen	Mastic of Marble Linoleum Lt. colored w/ Blue Dots	240	Sq. Ft.	Positive	Present
14	Kitchen	Smooth Plaster (Finish coat)			Negative	Present
14	Kitchen	Smooth Plaster (Finish coat)			Negative	Present
14	Kitchen	Smooth Plaster (Brown coat)			Negative	Present
14	Kitchen	Smooth Plaster (Brown coat)			Negative	Present
14	Kitchen	Pink sink undercoat	3	Total	Negative	Present
15	Dining Room	9" x 9" FT White w/ Black Streaks	360	Sq. Ft.	Positive	Present
15	Dining Room	Light Heat Shield	8	Total	Positive	Present
15	Dining Room	Smooth Plaster (Finish coat)			Negative	Present
15	Dining Room	Smooth Plaster (Finish coat)			Negative	Present
15	Dining Room	Smooth Plaster (Brown coat)			Negative	Present
15	Dining Room	Smooth Plaster (Brown coat)			Negative	Present

**Warren Consolidated Schools  
St. Sylvester Convent  
List by Functional Space**

<b>FS#</b>	<b>FS Description</b>	<b>Material Description</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>	<b>Status</b>
15	Dining Room	Mastic of 9" x 9" FT White w/ Black Steaks	360	Sq. Ft.	Negative	Present
16	<b>TV Room</b>	<b>Light Heat Shield</b>	<b>1</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
16	TV Room	Smooth Plaster (Finish coat)			Negative	Present
16	TV Room	Smooth Plaster (Brown coat)			Negative	Present
16	TV Room	1' x 1' CP Dots and Gouges	210	Sq. Ft.	Negative	Present
16	TV Room	Glue Pods of 1' x 1' CP Dots and Gouges	210	Sq. Ft.	Negative	Present
17	<b>Side Entry Door Room</b>	<b>Light Heat Shield</b>	<b>1</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
17	Side Entry Door Room	Smooth Plaster (Finish coat)			Negative	Present
17	Side Entry Door Room	Smooth Plaster (Brown coat)			Negative	Present
17	Side Entry Door Room	1' x 1' CP Dots and Gouges	121	Sq. Ft.	Negative	Present
17	Side Entry Door Room	Glue Pods of 1' x 1' CP Dots and Gouges	121	Sq. Ft.	Negative	Present
17	Side Entry Door Room	12"x 12" FT White w/ colored specks	121	Sq. Ft.	Negative	Present
17	Side Entry Door Room	Mastic of 12"x 12" FT White w/ colored specks	121	Sq. Ft.	Negative	Present
17	Side Entry Door Room	4" Tan covebase	44	Ln. Ft.	Negative	Present
17	Side Entry Door Room	Mastic of 4" Tan covebase	44	Ln. Ft.	Negative	Present
18	<b>Side Entry Office</b>	<b>9"x 9" FT Lt. Brown w/ Drk Brown Streaks</b>	<b>121</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
18	<b>Side Entry Office</b>	<b>Mastic of 9"x 9" Lt. Brown FT w/ Drk Brown Streaks</b>	<b>121</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
18	<b>Side Entry Office</b>	<b>Light Heat Shield</b>	<b>1</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
18	Side Entry Office	Smooth Plaster (Finish coat)			Negative	Present
18	Side Entry Office	Smooth Plaster (Brown coat)			Negative	Present
18	Side Entry Office	1' x 1' CP Dots and Gouges	80	Sq. Ft.	Negative	Present
18	Side Entry Office	Glue Pods of 1' x 1' CP Dots and Gouges	80	Sq. Ft.	Negative	Present
18	Side Entry Office	4" Brown covebase	22	Ln. Ft.	Negative	Present
18	Side Entry Office	Mastic of 4" Brown covebase	22	Ln. Ft.	Negative	Present
19	Bedroom 1	Smooth Plaster (Finish coat)	80	Sq. Ft.	Negative	Present
19	Bedroom 1	Smooth Plaster (Finish coat)			Negative	Present
19	Bedroom 1	Smooth Plaster (Brown coat)	80	Sq. Ft.	Negative	Present
19	Bedroom 1	Smooth Plaster (Brown coat)			Negative	Present
20	Bedroom and Bathroom	Smooth Plaster (Finish coat)			Negative	Present
20	Bedroom and Bathroom	Smooth Plaster (Finish coat)			Negative	Present
20	Bedroom and Bathroom	Smooth Plaster (Brown coat)			Negative	Present
20	Bedroom and Bathroom	Smooth Plaster (Brown coat)			Negative	Present
21	Hallway Restroom	Smooth Plaster (Finish coat)			Negative	Present
21	Hallway Restroom	Smooth Plaster (Finish coat)			Negative	Present
21	Hallway Restroom	Smooth Plaster (Brown coat)			Negative	Present
21	Hallway Restroom	Smooth Plaster (Brown coat)			Negative	Present
22	<b>Chapel</b>	<b>Light Heat Shield</b>	<b>1</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
22	<b>Chapel</b>	<b>9"x 9" FT Brown w/ Dark Brown Specks</b>	<b>40</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>

**Warren Consolidated Schools  
St. Sylvester Convent  
List by Functional Space**

<b>FS#</b>	<b>FS Description</b>	<b>Material Description</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>	<b>Status</b>
22	Chapel	Smooth Plaster (Finish coat)			Negative	Present
22	Chapel	Smooth Plaster (Finish coat)			Negative	Present
22	Chapel	Smooth Plaster (Brown coat)			Negative	Present
22	Chapel	Smooth Plaster (Brown coat)			Negative	Present
22	Chapel	Mastic of 9"x 9" FT Brown w/ Dark Brown Specks	40	Sq. Ft.	Negative	Present
23	Telephone Closet	Smooth Plaster (Finish coat)			Negative	Present
23	Telephone Closet	Smooth Plaster (Brown coat)			Negative	Present
23	Telephone Closet	1' x 1' CP Dots and Gouges	20	Sq. Ft.	Negative	Present
23	Telephone Closet	Glue Pods of 1' x 1' CP Dots and Gouges	20	Sq. Ft.	Negative	Present
<b>24</b>	<b>Downstairs Restroom Large</b>	<b>Light Heat Shield</b>	<b>1</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
24	Downstairs Restroom Large	Smooth Plaster (Finish coat)			Negative	Present
24	Downstairs Restroom Large	Smooth Plaster (Finish coat)			Negative	Present
24	Downstairs Restroom Large	Smooth Plaster (Brown coat)			Negative	Present
24	Downstairs Restroom Large	Smooth Plaster (Brown coat)			Negative	Present
<b>25</b>	<b>Slop Sink Main Floor</b>	<b>Gold Marble Vinyl Sheeting</b>	<b>30</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
<b>25</b>	<b>Slop Sink Main Floor</b>	<b>Mastic of Gold Marble Vinyl Sheeting</b>	<b>30</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
25	Slop Sink Main Floor	Smooth Plaster (Finish coat)			Negative	Present
25	Slop Sink Main Floor	Smooth Plaster (Finish coat)			Negative	Present
25	Slop Sink Main Floor	Smooth Plaster (Brown coat)			Negative	Present
25	Slop Sink Main Floor	Smooth Plaster (Brown coat)			Negative	Present
25	Slop Sink Main Floor	4" Brown covebase	20	Ln. Ft.	Negative	Present
25	Slop Sink Main Floor	Mastic of 4" Brown covebase	20	Ln. Ft.	Negative	Present
<b>26</b>	<b>Closet Room</b>	<b>Light Heat Shield</b>	<b>2</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
<b>26</b>	<b>Closet Room</b>	<b>Gold Marble Vinyl Sheeting</b>	<b>50</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
<b>26</b>	<b>Closet Room</b>	<b>Mastic of Gold Marble Vinyl Sheeting</b>	<b>50</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
26	Closet Room	Smooth Plaster (Finish coat)			Negative	Present
26	Closet Room	Smooth Plaster (Finish coat)			Negative	Present
26	Closet Room	Smooth Plaster (Brown coat)			Negative	Present
26	Closet Room	Smooth Plaster (Brown coat)			Negative	Present
26	Closet Room	4" Brown covebase	1	Ln. Ft.	Negative	Present
26	Closet Room	Mastic of 4" Brown covebase	1	Ln. Ft.	Negative	Present
<b>27</b>	<b>Hallway Main Floor</b>	<b>Light Heat Shield</b>	<b>10</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
<b>27</b>	<b>Hallway Main Floor</b>	<b>9" x 9" FT Brown w/ Dark Brown Specks</b>	<b>20</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
27	Hallway Main Floor	Smooth Plaster (Finish coat)			Negative	Present
27	Hallway Main Floor	Smooth Plaster (Finish coat)			Negative	Present
27	Hallway Main Floor	Smooth Plaster (Brown coat)			Negative	Present
27	Hallway Main Floor	Smooth Plaster (Brown coat)			Negative	Present
27	Hallway Main Floor	Mastic of 9"x 9" FT Brown w/ Dark Brown Specks	20	Sq. Ft.	Negative	Present

**Warren Consolidated Schools  
St. Sylvester Convent  
List by Functional Space**

FS#	FS Description	Material Description	Amount	Units	Asbestos	Status
28	West Stairway to Basement	9"x 9" FT Lt. Brown w/ Drk Brown Streaks	30	Sq. Ft.	Positive	Present
28	West Stairway to Basement	Mastic of 9"x 9" Lt. Brown FT w/ Drk Brown Streaks	30	Sq. Ft.	Positive	Present
28	West Stairway to Basement	Light Heat Shield	1	Total	Positive	Present
28	West Stairway to Basement	Smooth Plaster (Finish coat)			Negative	Present
28	West Stairway to Basement	Smooth Plaster (Finish coat)			Negative	Present
28	West Stairway to Basement	Smooth Plaster (Brown coat)			Negative	Present
28	West Stairway to Basement	Smooth Plaster (Brown coat)			Negative	Present
28	West Stairway to Basement	4" Brown covebase	5	Ln. Ft	Negative	Present
28	West Stairway to Basement	Mastic of 4" Brown covebase	5	Ln. Ft	Negative	Present
28	West Stairway to Basement	Cinderblock			Negative	Present
28	West Stairway to Basement	Mortar of Cinderblock			Negative	Present
28	West Stairway to Basement	Stair tread Brown	100	Sq. Ft.	Negative	Present
28	West Stairway to Basement	Mastic of Stair tread Brown	100	Sq. Ft.	Negative	Present
28	West Stairway to Basement	6" Brown covebase	75	Ln. Ft	Negative	Present
28	West Stairway to Basement	Mastic of 6" Brown covebase	75	Ln. Ft	Negative	Present
29	Upstairs Storage	9"x 9" FT White w/ Black Streaks	120	Sq. Ft.	Positive	Present
29	Upstairs Storage	Light Heat Shield	1	Total	Positive	Present
29	Upstairs Storage	Smooth Plaster (Finish coat)			Negative	Present
29	Upstairs Storage	Smooth Plaster (Finish coat)			Negative	Present
29	Upstairs Storage	Smooth Plaster (Brown coat)			Negative	Present
29	Upstairs Storage	Smooth Plaster (Brown coat)			Negative	Present
29	Upstairs Storage	Mastic of 9" x 9" FT White w/ Black Steaks	120	Sq. Ft.	Negative	Present
29	Upstairs Storage	4" Black covebase	30	Ln. Ft	Negative	Present
29	Upstairs Storage	Mastic of 4" Black covebase	30	Ln. Ft	Negative	Present
30	Slop Sink 2nd Floor	9"x 9" FT Brown w/ Dark Brown Specks	20	Sq. Ft.	Positive	Present
30	Slop Sink 2nd Floor	Smooth Plaster (Finish coat)			Negative	Present
30	Slop Sink 2nd Floor	Smooth Plaster (Finish coat)			Negative	Present
30	Slop Sink 2nd Floor	Smooth Plaster (Brown coat)			Negative	Present
30	Slop Sink 2nd Floor	Smooth Plaster (Brown coat)			Negative	Present
30	Slop Sink 2nd Floor	4" Black covebase	15	Ln. Ft	Negative	Present
30	Slop Sink 2nd Floor	Mastic of 4" Black covebase	15	Ln. Ft	Negative	Present
30	Slop Sink 2nd Floor	Mastic of 9"x 9" FT Brown w/ Dark Brown Specks	20	Sq. Ft.	Negative	Present
31	Upstair Restroom	Light Heat Shield	1	Total	Positive	Present
31	Upstair Restroom	Smooth Plaster (Finish coat)			Negative	Present
31	Upstair Restroom	Smooth Plaster (Finish coat)			Negative	Present
31	Upstair Restroom	Smooth Plaster (Brown coat)			Negative	Present
31	Upstair Restroom	Smooth Plaster (Brown coat)			Negative	Present
32	Bedroom 2nd level #1	9"x 9" FT Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Positive	Present

**Warren Consolidated Schools  
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FS#	FS Description	Material Description	Amount	Units	Asbestos	Status
32	Bedroom 2nd level #1	Light Heat Shield	1	Total	Positive	Present
32	Bedroom 2nd level #1	Smooth Plaster (Finish coat)			Negative	Present
32	Bedroom 2nd level #1	Smooth Plaster (Finish coat)			Negative	Present
32	Bedroom 2nd level #1	Smooth Plaster (Brown coat)			Negative	Present
32	Bedroom 2nd level #1	Smooth Plaster (Brown coat)			Negative	Present
32	Bedroom 2nd level #1	4" Brown covebase	30	Ln. Ft	Negative	Present
32	Bedroom 2nd level #1	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
32	Bedroom 2nd level #1	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
33	Bedroom 2nd level #2	9"x 9" FT Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Positive	Present
33	Bedroom 2nd level #2	Light Heat Shield	1	Total	Positive	Present
33	Bedroom 2nd level #2	Smooth Plaster (Finish coat)			Negative	Present
33	Bedroom 2nd level #2	Smooth Plaster (Finish coat)			Negative	Present
33	Bedroom 2nd level #2	Smooth Plaster (Brown coat)			Negative	Present
33	Bedroom 2nd level #2	Smooth Plaster (Brown coat)			Negative	Present
33	Bedroom 2nd level #2	4" Brown covebase	30	Ln. Ft	Negative	Present
33	Bedroom 2nd level #2	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
33	Bedroom 2nd level #2	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
34	Linen Closet	9"x 9" FT Brown w/ Dark Brown Specks	25	Sq. Ft.	Positive	Present
34	Linen Closet	Smooth Plaster (Finish coat)			Negative	Present
34	Linen Closet	Smooth Plaster (Finish coat)			Negative	Present
34	Linen Closet	Smooth Plaster (Brown coat)			Negative	Present
34	Linen Closet	Smooth Plaster (Brown coat)			Negative	Present
34	Linen Closet	4" Black covebase	25	Ln. Ft	Negative	Present
34	Linen Closet	Mastic of 4" Black covebase	25	Ln. Ft	Negative	Present
34	Linen Closet	Mastic of 9"x 9" FT Brown w/ Dark Brown Specks	25	Sq. Ft.	Negative	Present
35	Bedroom 2nd level #3	9"x 9" FT Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Positive	Present
35	Bedroom 2nd level #3	Light Heat Shield	1	Total	Positive	Present
35	Bedroom 2nd level #3	Smooth Plaster (Finish coat)			Negative	Present
35	Bedroom 2nd level #3	Smooth Plaster (Finish coat)			Negative	Present
35	Bedroom 2nd level #3	Smooth Plaster (Brown coat)			Negative	Present
35	Bedroom 2nd level #3	Smooth Plaster (Brown coat)			Negative	Present
35	Bedroom 2nd level #3	4" Brown covebase	30	Ln. Ft	Negative	Present
35	Bedroom 2nd level #3	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
35	Bedroom 2nd level #3	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
36	Bedroom 2nd level #4	9"x 9" FT Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Positive	Present
36	Bedroom 2nd level #4	Light Heat Shield	1	Total	Positive	Present
36	Bedroom 2nd level #4	Smooth Plaster (Finish coat)			Negative	Present
36	Bedroom 2nd level #4	Smooth Plaster (Finish coat)			Negative	Present

**Warren Consolidated Schools  
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<b>FS#</b>	<b>FS Description</b>	<b>Material Description</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>	<b>Status</b>
36	Bedroom 2nd level #4	Smooth Plaster (Brown coat)			Negative	Present
36	Bedroom 2nd level #4	Smooth Plaster (Brown coat)			Negative	Present
36	Bedroom 2nd level #4	4" Brown covebase	30	Ln. Ft	Negative	Present
36	Bedroom 2nd level #4	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
36	Bedroom 2nd level #4	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
<b>37</b>	<b>Bedroom 2nd level #5</b>	<b>9"x 9" FT Dark Brown w/ Dark Brown Streaks</b>	<b>120</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
<b>37</b>	<b>Bedroom 2nd level #5</b>	<b>Light Heat Shield</b>	<b>1</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
37	Bedroom 2nd level #5	Smooth Plaster (Finish coat)			Negative	Present
37	Bedroom 2nd level #5	Smooth Plaster (Finish coat)			Negative	Present
37	Bedroom 2nd level #5	Smooth Plaster (Brown coat)			Negative	Present
37	Bedroom 2nd level #5	Smooth Plaster (Brown coat)			Negative	Present
37	Bedroom 2nd level #5	4" Brown covebase	30	Ln. Ft	Negative	Present
37	Bedroom 2nd level #5	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
37	Bedroom 2nd level #5	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
<b>38</b>	<b>Bedroom 2nd level #6</b>	<b>9"x 9" FT Dark Brown w/ Dark Brown Streaks</b>	<b>120</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
<b>38</b>	<b>Bedroom 2nd level #6</b>	<b>Light Heat Shield</b>	<b>1</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
38	Bedroom 2nd level #6	Smooth Plaster (Finish coat)			Negative	Present
38	Bedroom 2nd level #6	Smooth Plaster (Finish coat)			Negative	Present
38	Bedroom 2nd level #6	Smooth Plaster (Brown coat)			Negative	Present
38	Bedroom 2nd level #6	Smooth Plaster (Brown coat)			Negative	Present
38	Bedroom 2nd level #6	4" Brown covebase	30	Ln. Ft	Negative	Present
38	Bedroom 2nd level #6	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
38	Bedroom 2nd level #6	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
<b>39</b>	<b>Bedroom 2nd level #7</b>	<b>9"x 9" FT Dark Brown w/ Dark Brown Streaks</b>	<b>120</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
<b>39</b>	<b>Bedroom 2nd level #7</b>	<b>Light Heat Shield</b>	<b>1</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
39	Bedroom 2nd level #7	Smooth Plaster (Finish coat)			Negative	Present
39	Bedroom 2nd level #7	Smooth Plaster (Finish coat)			Negative	Present
39	Bedroom 2nd level #7	Smooth Plaster (Brown coat)			Negative	Present
39	Bedroom 2nd level #7	Smooth Plaster (Brown coat)			Negative	Present
39	Bedroom 2nd level #7	4" Brown covebase	30	Ln. Ft	Negative	Present
39	Bedroom 2nd level #7	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
39	Bedroom 2nd level #7	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
<b>40</b>	<b>Upstairs Office</b>	<b>9"x 9" FT Dark Brown w/ Dark Brown Streaks</b>	<b>120</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
40	Upstairs Office	Smooth Plaster (Finish coat)			Negative	Present
40	Upstairs Office	Smooth Plaster (Finish coat)			Negative	Present
40	Upstairs Office	Smooth Plaster (Brown coat)			Negative	Present
40	Upstairs Office	Smooth Plaster (Brown coat)			Negative	Present
40	Upstairs Office	4" Brown covebase	30	Ln. Ft	Negative	Present

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<b>FS#</b>	<b>FS Description</b>	<b>Material Description</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>	<b>Status</b>
40	Upstairs Office	Mastic of 4" Brown covebase	30	Ln. Ft.	Negative	Present
40	Upstairs Office	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
<b>41</b>	<b>Corner Clothes Storage</b>	<b>Light Heat Shield</b>	<b>1</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
<b>41</b>	<b>Corner Clothes Storage</b>	<b>9"x 9" FT Brown w/ Dark Brown Specks</b>	<b>100</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
41	Corner Clothes Storage	Smooth Plaster (Finish coat)			Negative	Present
41	Corner Clothes Storage	Smooth Plaster (Finish coat)			Negative	Present
41	Corner Clothes Storage	Smooth Plaster (Brown coat)			Negative	Present
41	Corner Clothes Storage	Smooth Plaster (Brown coat)			Negative	Present
41	Corner Clothes Storage	4" Brown covebase	10	Ln. Ft.	Negative	Present
41	Corner Clothes Storage	Mastic of 4" Brown covebase	10	Ln. Ft.	Negative	Present
41	Corner Clothes Storage	Mastic of 9"x 9" FT Brown w/ Dark Brown Specks	100	Sq. Ft.	Negative	Present
42	Shared Bath 2nd level	Smooth Plaster (Finish coat)			Negative	Present
42	Shared Bath 2nd level	Smooth Plaster (Finish coat)			Negative	Present
42	Shared Bath 2nd level	Smooth Plaster (Brown coat)			Negative	Present
42	Shared Bath 2nd level	Smooth Plaster (Brown coat)			Negative	Present
<b>43</b>	<b>Bedroom 2nd level #8</b>	<b>9"x 9" FT Dark Brown w/ Dark Brown Streaks</b>	<b>120</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
<b>43</b>	<b>Bedroom 2nd level #8</b>	<b>Light Heat Shield</b>	<b>1</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
43	Bedroom 2nd level #8	Smooth Plaster (Finish coat)			Negative	Present
43	Bedroom 2nd level #8	Smooth Plaster (Finish coat)			Negative	Present
43	Bedroom 2nd level #8	Smooth Plaster (Brown coat)			Negative	Present
43	Bedroom 2nd level #8	Smooth Plaster (Brown coat)			Negative	Present
43	Bedroom 2nd level #8	4" Brown covebase	30	Ln. Ft.	Negative	Present
43	Bedroom 2nd level #8	Mastic of 4" Brown covebase	30	Ln. Ft.	Negative	Present
43	Bedroom 2nd level #8	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
<b>44</b>	<b>Bedroom 2nd level #9</b>	<b>9"x 9" FT Dark Brown w/ Dark Brown Streaks</b>	<b>120</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
<b>44</b>	<b>Bedroom 2nd level #9</b>	<b>Light Heat Shield</b>	<b>1</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
44	Bedroom 2nd level #9	Smooth Plaster (Finish coat)			Negative	Present
44	Bedroom 2nd level #9	Smooth Plaster (Finish coat)			Negative	Present
44	Bedroom 2nd level #9	Smooth Plaster (Brown coat)			Negative	Present
44	Bedroom 2nd level #9	Smooth Plaster (Brown coat)			Negative	Present
44	Bedroom 2nd level #9	4" Brown covebase	30	Ln. Ft.	Negative	Present
44	Bedroom 2nd level #9	Mastic of 4" Brown covebase	30	Ln. Ft.	Negative	Present
44	Bedroom 2nd level #9	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
<b>45</b>	<b>Upstairs Linen Closet West</b>	<b>9"x 9" FT Brown w/ Dark Brown Specks</b>	<b>25</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
45	Upstairs Linen Closet West	Smooth Plaster (Finish coat)			Negative	Present
45	Upstairs Linen Closet West	Smooth Plaster (Finish coat)			Negative	Present
45	Upstairs Linen Closet West	Smooth Plaster (Brown coat)			Negative	Present
45	Upstairs Linen Closet West	Smooth Plaster (Brown coat)			Negative	Present

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<b>FS#</b>	<b>FS Description</b>	<b>Material Description</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>	<b>Status</b>
45	Upstairs Linen Closet West	4" Black covebase	25	Ln. Ft	Negative	Present
45	Upstairs Linen Closet West	Mastic of 4" Black covebase	25	Ln. Ft	Negative	Present
45	Upstairs Linen Closet West	Mastic of 9"x 9" FT Brown w/ Dark Brown Specks	25	Sq. Ft.	Negative	Present
<b>46</b>	<b>Hallway</b>	<b>Light Heat Shield</b>	<b>10</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
46	Hallway	Smooth Plaster (Finish coat)			Negative	Present
46	Hallway	Smooth Plaster (Finish coat)			Negative	Present
46	Hallway	Smooth Plaster (Brown coat)			Negative	Present
46	Hallway	Smooth Plaster (Brown coat)			Negative	Present
47	Exterior	Brick			Negative	Present
47	Exterior	Brick Mortar			Negative	Present



**Warren Consolidated Schools  
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**List by Positive, Assumed, Negative, Homogenous Areas**

FS#	FS Description	Material Description	Amount	Units	Asbestos	Status
5	Laundry Storage	9" x 9" FT Lt. Brown w/ Drk Brown Streaks	96	Sq. Ft.	Positive	Present
10	Office Basement	9" x 9" FT Lt. Brown w/ Drk Brown Streaks	300	Sq. Ft.	Positive	Present
12	Basement Corridor	9" x 9" FT Lt. Brown w/ Drk Brown Streaks	300	Sq. Ft.	Positive	Present
13	East Stairway	9" x 9" FT Lt. Brown w/ Drk Brown Streaks	110	Sq. Ft.	Positive	Present
18	Side Entry Office	9" x 9" FT Lt. Brown w/ Drk Brown Streaks	121	Sq. Ft.	Positive	Present
28	West Stairway to Basement	9" x 9" FT Lt. Brown w/ Drk Brown Streaks	30	Sq. Ft.	Positive	Present
5	Laundry Storage	Mastic of 9" x 9" Lt. Brown FT w/ Drk Brown Streaks	96	Sq. Ft.	Positive	Present
10	Office Basement	Mastic of 9" x 9" Lt. Brown FT w/ Drk Brown Streaks	300	Sq. Ft.	Positive	Present
12	Basement Corridor	Mastic of 9" x 9" Lt. Brown FT w/ Drk Brown Streaks	300	Sq. Ft.	Positive	Present
13	East Stairway	Mastic of 9" x 9" Lt. Brown FT w/ Drk Brown Streaks	110	Sq. Ft.	Positive	Present
18	Side Entry Office	Mastic of 9" x 9" Lt. Brown FT w/ Drk Brown Streaks	121	Sq. Ft.	Positive	Present
28	West Stairway to Basement	Mastic of 9" x 9" Lt. Brown FT w/ Drk Brown Streaks	30	Sq. Ft.	Positive	Present
8	Workout Room	9" x 9" FT Dark Brown w/ Dark Brown Streaks	375	Sq. Ft.	Positive	Present
32	Bedroom 2nd level #1	9" x 9" FT Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Positive	Present
33	Bedroom 2nd level #2	9" x 9" FT Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Positive	Present
35	Bedroom 2nd level #3	9" x 9" FT Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Positive	Present
36	Bedroom 2nd level #4	9" x 9" FT Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Positive	Present
37	Bedroom 2nd level #5	9" x 9" FT Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Positive	Present
38	Bedroom 2nd level #6	9" x 9" FT Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Positive	Present
39	Bedroom 2nd level #7	9" x 9" FT Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Positive	Present
40	Upstairs Office	9" x 9" FT Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Positive	Present
43	Bedroom 2nd level #8	9" x 9" FT Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Positive	Present
44	Bedroom 2nd level #9	9" x 9" FT Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Positive	Present
4	General Storage	9" x 9" FT White w/ Black Streaks	120	Sq. Ft.	Positive	Present
6	Laundry Room	9" x 9" FT White w/ Black Streaks	300	Sq. Ft.	Positive	Present
15	Dining Room	9" x 9" FT White w/ Black Streaks	360	Sq. Ft.	Positive	Present
29	Upstairs Storage	9" x 9" FT White w/ Black Streaks	120	Sq. Ft.	Positive	Present
5	Laundry Storage	Light Heat Shield	2	Total	Positive	Present
6	Laundry Room	Light Heat Shield	3	Total	Positive	Present
11	Basement Bath	Light Heat Shield	1	Total	Positive	Present
12	Basement Corridor	Light Heat Shield	10	Total	Positive	Present
13	East Stairway	Light Heat Shield	1	Total	Positive	Present
15	Dining Room	Light Heat Shield	8	Total	Positive	Present
16	TV Room	Light Heat Shield	1	Total	Positive	Present
17	Side Entry Door Room	Light Heat Shield	1	Total	Positive	Present
18	Side Entry Office	Light Heat Shield	1	Total	Positive	Present
22	Chapel	Light Heat Shield	1	Total	Positive	Present
24	Downstairs Restroom Large	Light Heat Shield	1	Total	Positive	Present
26	Closet Room	Light Heat Shield	2	Total	Positive	Present

**Warren Consolidated Schools  
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**List by Positive, Assumed, Negative, Homogenous Areas**

<b>FS#</b>	<b>FS Description</b>	<b>Material Description</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>	<b>Status</b>
27	Hallway Main Floor	Light Heat Shield	10	Total	Positive	Present
28	West Stairway to Basement	Light Heat Shield	1	Total	Positive	Present
29	Upstairs Storage	Light Heat Shield	1	Total	Positive	Present
31	Upstair Restroom	Light Heat Shield	1	Total	Positive	Present
32	Bedroom 2nd level #1	Light Heat Shield	1	Total	Positive	Present
33	Bedroom 2nd level #2	Light Heat Shield	1	Total	Positive	Present
35	Bedroom 2nd level #3	Light Heat Shield	1	Total	Positive	Present
36	Bedroom 2nd level #4	Light Heat Shield	1	Total	Positive	Present
37	Bedroom 2nd level #5	Light Heat Shield	1	Total	Positive	Present
38	Bedroom 2nd level #6	Light Heat Shield	1	Total	Positive	Present
39	Bedroom 2nd level #7	Light Heat Shield	1	Total	Positive	Present
41	Corner Clothes Storage	Light Heat Shield	1	Total	Positive	Present
43	Bedroom 2nd level #8	Light Heat Shield	1	Total	Positive	Present
44	Bedroom 2nd level #9	Light Heat Shield	1	Total	Positive	Present
46	Hallway	Light Heat Shield	10	Total	Positive	Present
22	Chapel	9" x 9" FT Brown w/ Dark Brown Specks	40	Sq. Ft.	Positive	Present
27	Hallway Main Floor	9" x 9" FT Brown w/ Dark Brown Specks	20	Sq. Ft.	Positive	Present
30	Slop Sink 2nd Floor	9" x 9" FT Brown w/ Dark Brown Specks	20	Sq. Ft.	Positive	Present
34	Linen Closet	9" x 9" FT Brown w/ Dark Brown Specks	25	Sq. Ft.	Positive	Present
41	Corner Clothes Storage	9" x 9" FT Brown w/ Dark Brown Specks	100	Sq. Ft.	Positive	Present
45	Upstairs Linen Closet West	9" x 9" FT Brown w/ Dark Brown Specks	25	Sq. Ft.	Positive	Present
14	Kitchen	Marble Linoleum Lt. colored w/ Blue Dots	240	Sq. Ft.	Positive	Present
14	Kitchen	Mastic of Marble Linoleum Lt. colored w/ Blue Dots	240	Sq. Ft.	Positive	Present
25	Slop Sink Main Floor	Gold Marble Vinyl Sheeting	30	Sq. Ft.	Positive	Present
26	Closet Room	Gold Marble Vinyl Sheeting	50	Sq. Ft.	Positive	Present
25	Slop Sink Main Floor	Mastic of Gold Marble Vinyl Sheeting	30	Sq. Ft.	Positive	Present
26	Closet Room	Mastic of Gold Marble Vinyl Sheeting	50	Sq. Ft.	Positive	Present
1	Boiler Room	Fire Door	1	Total	Assumed	Present
1	Boiler Room	Frame - Tagged	1	Total	Assumed	Present
2	Food Storage	Smooth Plaster (Finish coat)	80	Sq. Ft.	Negative	Present
3	Slop Sink Room	Smooth Plaster (Finish coat)	30	Sq. Ft.	Negative	Present
4	General Storage	Smooth Plaster (Finish coat)	120	Sq. Ft.	Negative	Present
5	Laundry Storage	Smooth Plaster (Finish coat)	96	Sq. Ft.	Negative	Present
6	Laundry Room	Smooth Plaster (Finish coat)			Negative	Present
10	Office Basement	Smooth Plaster (Finish coat)			Negative	Present
11	Basement Bath	Smooth Plaster (Finish coat)	25	Sq. Ft.	Negative	Present
13	East Stairway	Smooth Plaster (Finish coat)			Negative	Present
13	East Stairway	Smooth Plaster (Finish coat)			Negative	Present

## Warren Consolidated Schools

## St. Sylvester Convent

## List by Positive, Assumed, Negative, Homogenous Areas

FS#	FS Description	Material Description	Amount	Units	Asbestos	Status
14	Kitchen	Smooth Plaster (Finish coat)			Negative	Present
14	Kitchen	Smooth Plaster (Finish coat)			Negative	Present
15	Dining Room	Smooth Plaster (Finish coat)			Negative	Present
15	Dining Room	Smooth Plaster (Finish coat)			Negative	Present
16	TV Room	Smooth Plaster (Finish coat)			Negative	Present
17	Side Entry Door Room	Smooth Plaster (Finish coat)			Negative	Present
18	Side Entry Office	Smooth Plaster (Finish coat)			Negative	Present
19	Bedroom 1	Smooth Plaster (Finish coat)	80	Sq. Ft.	Negative	Present
19	Bedroom 1	Smooth Plaster (Finish coat)			Negative	Present
20	Bedroom and Bathroom	Smooth Plaster (Finish coat)			Negative	Present
20	Bedroom and Bathroom	Smooth Plaster (Finish coat)			Negative	Present
21	Hallway Restroom	Smooth Plaster (Finish coat)			Negative	Present
21	Hallway Restroom	Smooth Plaster (Finish coat)			Negative	Present
22	Chapel	Smooth Plaster (Finish coat)			Negative	Present
22	Chapel	Smooth Plaster (Finish coat)			Negative	Present
23	Telephone Closet	Smooth Plaster (Finish coat)			Negative	Present
24	Downstairs Restroom Large	Smooth Plaster (Finish coat)			Negative	Present
24	Downstairs Restroom Large	Smooth Plaster (Finish coat)			Negative	Present
25	Slop Sink Main Floor	Smooth Plaster (Finish coat)			Negative	Present
25	Slop Sink Main Floor	Smooth Plaster (Finish coat)			Negative	Present
26	Closet Room	Smooth Plaster (Finish coat)			Negative	Present
26	Closet Room	Smooth Plaster (Finish coat)			Negative	Present
27	Hallway Main Floor	Smooth Plaster (Finish coat)			Negative	Present
27	Hallway Main Floor	Smooth Plaster (Finish coat)			Negative	Present
28	West Stairway to Basement	Smooth Plaster (Finish coat)			Negative	Present
28	West Stairway to Basement	Smooth Plaster (Finish coat)			Negative	Present
29	Upstairs Storage	Smooth Plaster (Finish coat)			Negative	Present
29	Upstairs Storage	Smooth Plaster (Finish coat)			Negative	Present
30	Slop Sink 2nd Floor	Smooth Plaster (Finish coat)			Negative	Present
30	Slop Sink 2nd Floor	Smooth Plaster (Finish coat)			Negative	Present
31	Upstairs Restroom	Smooth Plaster (Finish coat)			Negative	Present
31	Upstairs Restroom	Smooth Plaster (Finish coat)			Negative	Present
32	Bedroom 2nd level #1	Smooth Plaster (Finish coat)			Negative	Present
32	Bedroom 2nd level #1	Smooth Plaster (Finish coat)			Negative	Present
33	Bedroom 2nd level #2	Smooth Plaster (Finish coat)			Negative	Present
33	Bedroom 2nd level #2	Smooth Plaster (Finish coat)			Negative	Present
34	Linen Closet	Smooth Plaster (Finish coat)			Negative	Present
34	Linen Closet	Smooth Plaster (Finish coat)			Negative	Present

**Warren Consolidated Schools  
St. Sylvester Convent**

**List by Positive, Assumed, Negative, Homogenous Areas**

<b>FS#</b>	<b>FS Description</b>	<b>Material Description</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>	<b>Status</b>
35	Bedroom 2nd level #3	Smooth Plaster (Finish coat)			Negative	Present
35	Bedroom 2nd level #3	Smooth Plaster (Finish coat)			Negative	Present
36	Bedroom 2nd level #4	Smooth Plaster (Finish coat)			Negative	Present
36	Bedroom 2nd level #4	Smooth Plaster (Finish coat)			Negative	Present
37	Bedroom 2nd level #5	Smooth Plaster (Finish coat)			Negative	Present
37	Bedroom 2nd level #5	Smooth Plaster (Finish coat)			Negative	Present
38	Bedroom 2nd level #6	Smooth Plaster (Finish coat)			Negative	Present
38	Bedroom 2nd level #6	Smooth Plaster (Finish coat)			Negative	Present
39	Bedroom 2nd level #7	Smooth Plaster (Finish coat)			Negative	Present
39	Bedroom 2nd level #7	Smooth Plaster (Finish coat)			Negative	Present
40	Upstairs Office	Smooth Plaster (Finish coat)			Negative	Present
40	Upstairs Office	Smooth Plaster (Finish coat)			Negative	Present
41	Corner Clothes Storage	Smooth Plaster (Finish coat)			Negative	Present
41	Corner Clothes Storage	Smooth Plaster (Finish coat)			Negative	Present
42	Shared Bath 2nd level	Smooth Plaster (Finish coat)			Negative	Present
42	Shared Bath 2nd level	Smooth Plaster (Finish coat)			Negative	Present
43	Bedroom 2nd level #8	Smooth Plaster (Finish coat)			Negative	Present
43	Bedroom 2nd level #8	Smooth Plaster (Finish coat)			Negative	Present
44	Bedroom 2nd level #9	Smooth Plaster (Finish coat)			Negative	Present
44	Bedroom 2nd level #9	Smooth Plaster (Finish coat)			Negative	Present
45	Upstairs Linen Closet West	Smooth Plaster (Finish coat)			Negative	Present
45	Upstairs Linen Closet West	Smooth Plaster (Finish coat)			Negative	Present
46	Hallway	Smooth Plaster (Finish coat)			Negative	Present
46	Hallway	Smooth Plaster (Finish coat)			Negative	Present
2	Food Storage	Smooth Plaster (Brown coat)	80	Sq. Ft.	Negative	Present
3	Slop Sink Room	Smooth Plaster (Brown coat)	30	Sq. Ft.	Negative	Present
4	General Storage	Smooth Plaster (Brown coat)	120	Sq. Ft.	Negative	Present
5	Laundry Storage	Smooth Plaster (Brown coat)	96	Sq. Ft.	Negative	Present
6	Laundry Room	Smooth Plaster (Brown coat)			Negative	Present
10	Office Basement	Smooth Plaster (Brown coat)			Negative	Present
11	Basement Bath	Smooth Plaster (Brown coat)	25	Sq. Ft.	Negative	Present
13	East Stairway	Smooth Plaster (Brown coat)			Negative	Present
13	East Stairway	Smooth Plaster (Brown coat)			Negative	Present
14	Kitchen	Smooth Plaster (Brown coat)			Negative	Present
14	Kitchen	Smooth Plaster (Brown coat)			Negative	Present
15	Dining Room	Smooth Plaster (Brown coat)			Negative	Present
15	Dining Room	Smooth Plaster (Brown coat)			Negative	Present
16	TV Room	Smooth Plaster (Brown coat)			Negative	Present

**Warren Consolidated Schools  
St. Sylvester Convent**

**List by Positive, Assumed, Negative, Homogenous Areas**

<b>FS#</b>	<b>FS Description</b>	<b>Material Description</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>	<b>Status</b>
17	Side Entry Door Room	Smooth Plaster (Brown coat)			Negative	Present
18	Side Entry Office	Smooth Plaster (Brown coat)			Negative	Present
19	Bedroom 1	Smooth Plaster (Brown coat)	80	Sq. Ft.	Negative	Present
19	Bedroom 1	Smooth Plaster (Brown coat)			Negative	Present
20	Bedroom and Bathroom	Smooth Plaster (Brown coat)			Negative	Present
20	Bedroom and Bathroom	Smooth Plaster (Brown coat)			Negative	Present
21	Hallway Restroom	Smooth Plaster (Brown coat)			Negative	Present
21	Hallway Restroom	Smooth Plaster (Brown coat)			Negative	Present
22	Chapel	Smooth Plaster (Brown coat)			Negative	Present
22	Chapel	Smooth Plaster (Brown coat)			Negative	Present
23	Telephone Closet	Smooth Plaster (Brown coat)			Negative	Present
24	Downstairs Restroom Large	Smooth Plaster (Brown coat)			Negative	Present
24	Downstairs Restroom Large	Smooth Plaster (Brown coat)			Negative	Present
25	Slop Sink Main Floor	Smooth Plaster (Brown coat)			Negative	Present
25	Slop Sink Main Floor	Smooth Plaster (Brown coat)			Negative	Present
26	Closet Room	Smooth Plaster (Brown coat)			Negative	Present
26	Closet Room	Smooth Plaster (Brown coat)			Negative	Present
27	Hallway Main Floor	Smooth Plaster (Brown coat)			Negative	Present
27	Hallway Main Floor	Smooth Plaster (Brown coat)			Negative	Present
28	West Stairway to Basement	Smooth Plaster (Brown coat)			Negative	Present
28	West Stairway to Basement	Smooth Plaster (Brown coat)			Negative	Present
29	Upstairs Storage	Smooth Plaster (Brown coat)			Negative	Present
29	Upstairs Storage	Smooth Plaster (Brown coat)			Negative	Present
30	Slop Sink 2nd Floor	Smooth Plaster (Brown coat)			Negative	Present
30	Slop Sink 2nd Floor	Smooth Plaster (Brown coat)			Negative	Present
31	Upstair Restroom	Smooth Plaster (Brown coat)			Negative	Present
31	Upstair Restroom	Smooth Plaster (Brown coat)			Negative	Present
32	Bedroom 2nd level #1	Smooth Plaster (Brown coat)			Negative	Present
32	Bedroom 2nd level #1	Smooth Plaster (Brown coat)			Negative	Present
33	Bedroom 2nd level #2	Smooth Plaster (Brown coat)			Negative	Present
33	Bedroom 2nd level #2	Smooth Plaster (Brown coat)			Negative	Present
34	Linen Closet	Smooth Plaster (Brown coat)			Negative	Present
34	Linen Closet	Smooth Plaster (Brown coat)			Negative	Present
35	Bedroom 2nd level #3	Smooth Plaster (Brown coat)			Negative	Present
35	Bedroom 2nd level #3	Smooth Plaster (Brown coat)			Negative	Present
36	Bedroom 2nd level #4	Smooth Plaster (Brown coat)			Negative	Present
36	Bedroom 2nd level #4	Smooth Plaster (Brown coat)			Negative	Present
37	Bedroom 2nd level #5	Smooth Plaster (Brown coat)			Negative	Present

## St. Sylvester Convent

## List by Positive, Assumed, Negative, Homogenous Areas

FS#	FS Description	Material Description	Amount	Units	Asbestos	Status
37	Bedroom 2nd level #5	Smooth Plaster (Brown coat)			Negative	Present
38	Bedroom 2nd level #6	Smooth Plaster (Brown coat)			Negative	Present
38	Bedroom 2nd level #6	Smooth Plaster (Brown coat)			Negative	Present
39	Bedroom 2nd level #7	Smooth Plaster (Brown coat)			Negative	Present
39	Bedroom 2nd level #7	Smooth Plaster (Brown coat)			Negative	Present
40	Upstairs Office	Smooth Plaster (Brown coat)			Negative	Present
40	Upstairs Office	Smooth Plaster (Brown coat)			Negative	Present
41	Corner Clothes Storage	Smooth Plaster (Brown coat)			Negative	Present
41	Corner Clothes Storage	Smooth Plaster (Brown coat)			Negative	Present
42	Shared Bath 2nd level	Smooth Plaster (Brown coat)			Negative	Present
42	Shared Bath 2nd level	Smooth Plaster (Brown coat)			Negative	Present
43	Bedroom 2nd level #8	Smooth Plaster (Brown coat)			Negative	Present
43	Bedroom 2nd level #8	Smooth Plaster (Brown coat)			Negative	Present
44	Bedroom 2nd level #9	Smooth Plaster (Brown coat)			Negative	Present
44	Bedroom 2nd level #9	Smooth Plaster (Brown coat)			Negative	Present
45	Upstairs Linen Closet West	Smooth Plaster (Brown coat)			Negative	Present
45	Upstairs Linen Closet West	Smooth Plaster (Brown coat)			Negative	Present
46	Hallway	Smooth Plaster (Brown coat)			Negative	Present
46	Hallway	Smooth Plaster (Brown coat)			Negative	Present
8	Workout Room	1' x 1' CP Dots and Gouges	375	Sq. Ft.	Negative	Present
16	TV Room	1' x 1' CP Dots and Gouges	210	Sq. Ft.	Negative	Present
17	Side Entry Door Room	1' x 1' CP Dots and Gouges	121	Sq. Ft.	Negative	Present
18	Side Entry Office	1' x 1' CP Dots and Gouges	80	Sq. Ft.	Negative	Present
23	Telephone Closet	1' x 1' CP Dots and Gouges	20	Sq. Ft.	Negative	Present
8	Workout Room	Glue Pods of 1' x 1' CP Dots and Gouges	375	Sq. Ft.	Negative	Present
16	TV Room	Glue Pods of 1' x 1' CP Dots and Gouges	210	Sq. Ft.	Negative	Present
17	Side Entry Door Room	Glue Pods of 1' x 1' CP Dots and Gouges	121	Sq. Ft.	Negative	Present
18	Side Entry Office	Glue Pods of 1' x 1' CP Dots and Gouges	80	Sq. Ft.	Negative	Present
23	Telephone Closet	Glue Pods of 1' x 1' CP Dots and Gouges	20	Sq. Ft.	Negative	Present
1	Boiler Room	Swirled Plaster Ceiling ( Finish coat)	144	Sq. Ft.	Negative	Present
1	Boiler Room	Swirled Plaster Ceiling ( Brown coat)	144	Sq. Ft.	Negative	Present
1	Boiler Room	Fiberglass Pipe Insulation	3	Ln. Ft	Negative	Present
6	Laundry Room	Fiberglass Pipe Insulation	15	Ln. Ft	Negative	Present
8	Workout Room	Fiberglass Pipe Insulation	36	Ln. Ft	Negative	Present
9	West Stair Storage	Fiberglass Pipe Insulation	65	Ln. Ft	Negative	Present
12	Basement Corridor	Fiberglass Pipe Insulation	75	Ln. Ft	Negative	Present
1	Boiler Room	Mud Fittings	6	Total	Negative	Present
6	Laundry Room	Mud Fittings	6	Total	Negative	Present

**Warren Consolidated Schools  
St. Sylvester Convent**

**List by Positive, Assumed, Negative, Homogenous Areas**

<b>FS#</b>	<b>FS Description</b>	<b>Material Description</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>	<b>Status</b>
9	West Stair Storage	Mud Fittings	15	Ln. Ft	Negative	Present
12	Basement Corridor	Mud Fittings	24	Ln. Ft	Negative	Present
5	Laundry Storage	4" Brown covebase	14	Ln. Ft	Negative	Present
8	Workout Room	4" Brown covebase	85	Ln. Ft	Negative	Present
10	Office Basement	4" Brown covebase	75	Ln. Ft	Negative	Present
12	Basement Corridor	4" Brown covebase	140	Ln. Ft	Negative	Present
13	East Stairway	4" Brown covebase	5	Ln. Ft	Negative	Present
18	Side Entry Office	4" Brown covebase	22	Ln. Ft	Negative	Present
25	Slop Sink Main Floor	4" Brown covebase	20	Ln. Ft	Negative	Present
26	Closet Room	4" Brown covebase	1	Ln. Ft	Negative	Present
28	West Stairway to Basement	4" Brown covebase	5	Ln. Ft	Negative	Present
32	Bedroom 2nd level #1	4" Brown covebase	30	Ln. Ft	Negative	Present
33	Bedroom 2nd level #2	4" Brown covebase	30	Ln. Ft	Negative	Present
35	Bedroom 2nd level #3	4" Brown covebase	30	Ln. Ft	Negative	Present
36	Bedroom 2nd level #4	4" Brown covebase	30	Ln. Ft	Negative	Present
37	Bedroom 2nd level #5	4" Brown covebase	30	Ln. Ft	Negative	Present
38	Bedroom 2nd level #6	4" Brown covebase	30	Ln. Ft	Negative	Present
39	Bedroom 2nd level #7	4" Brown covebase	30	Ln. Ft	Negative	Present
40	Upstairs Office	4" Brown covebase	30	Ln. Ft	Negative	Present
41	Corner Clothes Storage	4" Brown covebase	10	Ln. Ft	Negative	Present
43	Bedroom 2nd level #8	4" Brown covebase	30	Ln. Ft	Negative	Present
44	Bedroom 2nd level #9	4" Brown covebase	30	Ln. Ft	Negative	Present
5	Laundry Storage	Mastic of 4" Brown covebase	14	Ln. Ft	Negative	Present
8	Workout Room	Mastic of 4" Brown covebase	85	Ln. Ft	Negative	Present
10	Office Basement	Mastic of 4" Brown covebase	75	Ln. Ft	Negative	Present
12	Basement Corridor	Mastic of 4" Brown covebase	140	Ln. Ft	Negative	Present
13	East Stairway	Mastic of 4" Brown covebase	5	Ln. Ft	Negative	Present
18	Side Entry Office	Mastic of 4" Brown covebase	22	Ln. Ft	Negative	Present
25	Slop Sink Main Floor	Mastic of 4" Brown covebase	20	Ln. Ft	Negative	Present
26	Closet Room	Mastic of 4" Brown covebase	1	Ln. Ft	Negative	Present
28	West Stairway to Basement	Mastic of 4" Brown covebase	5	Ln. Ft	Negative	Present
32	Bedroom 2nd level #1	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
33	Bedroom 2nd level #2	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
35	Bedroom 2nd level #3	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
36	Bedroom 2nd level #4	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
37	Bedroom 2nd level #5	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
38	Bedroom 2nd level #6	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
39	Bedroom 2nd level #7	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present

**Warren Consolidated Schools  
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**List by Positive, Assumed, Negative, Homogenous Areas**

FS#	FS Description	Material Description	Amount	Units	Asbestos	Status
40	Upstairs Office	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
41	Corner Clothes Storage	Mastic of 4" Brown covebase	10	Ln. Ft	Negative	Present
43	Bedroom 2nd level #8	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
44	Bedroom 2nd level #9	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
12	Basement Corridor	2' x 4' CP Dots and Gouges	300	Sq. Ft.	Negative	Present
8	Workout Room	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	375	Sq. Ft.	Negative	Present
32	Bedroom 2nd level #1	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
33	Bedroom 2nd level #2	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
35	Bedroom 2nd level #3	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
36	Bedroom 2nd level #4	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
37	Bedroom 2nd level #5	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
38	Bedroom 2nd level #6	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
39	Bedroom 2nd level #7	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
40	Upstairs Office	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
43	Bedroom 2nd level #8	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
44	Bedroom 2nd level #9	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
4	General Storage	Mastic of 9" x 9" FT White w/ Black Steaks	120	Sq. Ft.	Negative	Present
6	Laundry Room	Mastic of 9" x 9" FT White w/ Black Steaks	300	Sq. Ft.	Negative	Present
15	Dining Room	Mastic of 9" x 9" FT White w/ Black Steaks	360	Sq. Ft.	Negative	Present
29	Upstairs Storage	Mastic of 9" x 9" FT White w/ Black Steaks	120	Sq. Ft.	Negative	Present
4	General Storage	4" Black covebase	44	Ln. Ft	Negative	Present
6	Laundry Room	4" Black covebase	75	Ln. Ft	Negative	Present
29	Upstairs Storage	4" Black covebase	30	Ln. Ft	Negative	Present
30	Slop Sink 2nd Floor	4" Black covebase	15	Ln. Ft	Negative	Present
34	Linen Closet	4" Black covebase	25	Ln. Ft	Negative	Present
45	Upstairs Linen Closet West	4" Black covebase	25	Ln. Ft	Negative	Present
4	General Storage	Mastic of 4" Black covebase	44	Ln. Ft	Negative	Present
6	Laundry Room	Mastic of 4" Black covebase	75	Ln. Ft	Negative	Present
29	Upstairs Storage	Mastic of 4" Black covebase	30	Ln. Ft	Negative	Present
30	Slop Sink 2nd Floor	Mastic of 4" Black covebase	15	Ln. Ft	Negative	Present
34	Linen Closet	Mastic of 4" Black covebase	25	Ln. Ft	Negative	Present
45	Upstairs Linen Closet West	Mastic of 4" Black covebase	25	Ln. Ft	Negative	Present
1	Boiler Room	Cinderblock			Negative	Present
2	Food Storage	Cinderblock			Negative	Present
3	Slop Sink Room	Cinderblock			Negative	Present
4	General Storage	Cinderblock			Negative	Present
5	Laundry Storage	Cinderblock			Negative	Present
6	Laundry Room	Cinderblock			Negative	Present



**Warren Consolidated Schools  
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**List by Positive, Assumed, Negative, Homogenous Areas**

<b>FS#</b>	<b>FS Description</b>	<b>Material Description</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>	<b>Status</b>
7	Furniture Storage	Cinderblock			Negative	Present
8	Workout Room	Cinderblock			Negative	Present
9	West Stair Storage	Cinderblock	100	Sq. Ft.	Negative	Present
10	Office Basement	Cinderblock			Negative	Present
11	Basement Bath	Cinderblock			Negative	Present
12	Basement Corridor	Cinderblock			Negative	Present
13	East Stairway	Cinderblock			Negative	Present
28	West Stairway to Basement	Cinderblock			Negative	Present
1	Boiler Room	Mortar of Cinderblock			Negative	Present
2	Food Storage	Mortar of Cinderblock			Negative	Present
3	Slop Sink Room	Mortar of Cinderblock			Negative	Present
4	General Storage	Mortar of Cinderblock			Negative	Present
5	Laundry Storage	Mortar of Cinderblock			Negative	Present
6	Laundry Room	Mortar of Cinderblock			Negative	Present
7	Furniture Storage	Mortar of Cinderblock			Negative	Present
8	Workout Room	Mortar of Cinderblock			Negative	Present
9	West Stair Storage	Mortar of Cinderblock			Negative	Present
10	Office Basement	Mortar of Cinderblock			Negative	Present
11	Basement Bath	Mortar of Cinderblock			Negative	Present
12	Basement Corridor	Mortar of Cinderblock			Negative	Present
13	East Stairway	Mortar of Cinderblock			Negative	Present
28	West Stairway to Basement	Mortar of Cinderblock			Negative	Present
1	Boiler Room	Concrete Floor	144	Sq. Ft.	Negative	Present
2	Food Storage	Concrete Floor	80	Sq. Ft.	Negative	Present
3	Slop Sink Room	Concrete Floor	30	Sq. Ft.	Negative	Present
7	Furniture Storage	Concrete Floor	200	Sq. Ft.	Negative	Present
9	West Stair Storage	Concrete Floor	100	Sq. Ft.	Negative	Present
13	East Stairway	Stair tread Brown	100	Sq. Ft.	Negative	Present
28	West Stairway to Basement	Stair tread Brown	100	Sq. Ft.	Negative	Present
13	East Stairway	Mastic of Stair tread Brown	100	Sq. Ft.	Negative	Present
28	West Stairway to Basement	Mastic of Stair tread Brown	100	Sq. Ft.	Negative	Present
22	Chapel	Mastic of 9"x 9" FT Brown w/ Dark Brown Specks	40	Sq. Ft.	Negative	Present
27	Hallway Main Floor	Mastic of 9"x 9" FT Brown w/ Dark Brown Specks	20	Sq. Ft.	Negative	Present
30	Slop Sink 2nd Floor	Mastic of 9"x 9" FT Brown w/ Dark Brown Specks	20	Sq. Ft.	Negative	Present
34	Linen Closet	Mastic of 9"x 9" FT Brown w/ Dark Brown Specks	25	Sq. Ft.	Negative	Present
41	Corner Clothes Storage	Mastic of 9"x 9" FT Brown w/ Dark Brown Specks	100	Sq. Ft.	Negative	Present
45	Upstairs Linen Closet West	Mastic of 9"x 9" FT Brown w/ Dark Brown Specks	25	Sq. Ft.	Negative	Present
17	Side Entry Door Room	12"x 12" FT White w/ colored specks	121	Sq. Ft.	Negative	Present

**Warren Consolidated Schools  
St. Sylvester Convent**

**List by Positive, Assumed, Negative, Homogenous Areas**

<b>FS#</b>	<b>FS Description</b>	<b>Material Description</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>	<b>Status</b>
17	Side Entry Door Room	Mastic of 12"x 12" FT White w/ colored specks	121	Sq. Ft.	Negative	Present
17	Side Entry Door Room	4" Tan covebase	44	Ln. Ft	Negative	Present
17	Side Entry Door Room	Mastic of 4" Tan covebase	44	Ln. Ft	Negative	Present
13	East Stairway	6" Brown covebase	75	Ln. Ft	Negative	Present
28	West Stairway to Basement	6" Brown covebase	75	Ln. Ft	Negative	Present
13	East Stairway	Mastic of 6" Brown covebase	75	Ln. Ft	Negative	Present
28	West Stairway to Basement	Mastic of 6" Brown covebase	75	Ln. Ft	Negative	Present
14	Kitchen	Pink sink undercoat	3	Total	Negative	Present
47	Exterior	Brick			Negative	Present
47	Exterior	Brick Mortar			Negative	Present

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<b>FS#</b>	<b>FS Description</b>	<b>Material Description</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>	<b>Status</b>
2	Food Storage	Smooth Plaster (Finish coat)	80	Sq. Ft.	Negative	Present
3	Slop Sink Room	Smooth Plaster (Finish coat)	30	Sq. Ft.	Negative	Present
4	General Storage	Smooth Plaster (Finish coat)	120	Sq. Ft.	Negative	Present
5	Laundry Storage	Smooth Plaster (Finish coat)	96	Sq. Ft.	Negative	Present
6	Laundry Room	Smooth Plaster (Finish coat)			Negative	Present
10	Office Basement	Smooth Plaster (Finish coat)			Negative	Present
11	Basement Bath	Smooth Plaster (Finish coat)	25	Sq. Ft.	Negative	Present
13	East Stairway	Smooth Plaster (Finish coat)			Negative	Present
13	East Stairway	Smooth Plaster (Finish coat)			Negative	Present
14	Kitchen	Smooth Plaster (Finish coat)			Negative	Present
14	Kitchen	Smooth Plaster (Finish coat)			Negative	Present
15	Dining Room	Smooth Plaster (Finish coat)			Negative	Present
15	Dining Room	Smooth Plaster (Finish coat)			Negative	Present
16	TV Room	Smooth Plaster (Finish coat)			Negative	Present
17	Side Entry Door Room	Smooth Plaster (Finish coat)			Negative	Present
18	Side Entry Office	Smooth Plaster (Finish coat)			Negative	Present
19	Bedroom I	Smooth Plaster (Finish coat)	80	Sq. Ft.	Negative	Present
19	Bedroom I	Smooth Plaster (Finish coat)			Negative	Present
20	Bedroom and Bathroom	Smooth Plaster (Finish coat)			Negative	Present
20	Bedroom and Bathroom	Smooth Plaster (Finish coat)			Negative	Present
21	Hallway Restroom	Smooth Plaster (Finish coat)			Negative	Present
21	Hallway Restroom	Smooth Plaster (Finish coat)			Negative	Present
22	Chapel	Smooth Plaster (Finish coat)			Negative	Present
22	Chapel	Smooth Plaster (Finish coat)			Negative	Present
23	Telephone Closet	Smooth Plaster (Finish coat)			Negative	Present
24	Downstairs Restroom Large	Smooth Plaster (Finish coat)			Negative	Present
24	Downstairs Restroom Large	Smooth Plaster (Finish coat)			Negative	Present
25	Slop Sink Main Floor	Smooth Plaster (Finish coat)			Negative	Present
25	Slop Sink Main Floor	Smooth Plaster (Finish coat)			Negative	Present
26	Closet Room	Smooth Plaster (Finish coat)			Negative	Present
26	Closet Room	Smooth Plaster (Finish coat)			Negative	Present
27	Hallway Main Floor	Smooth Plaster (Finish coat)			Negative	Present
27	Hallway Main Floor	Smooth Plaster (Finish coat)			Negative	Present
28	West Stairway to Basement	Smooth Plaster (Finish coat)			Negative	Present
28	West Stairway to Basement	Smooth Plaster (Finish coat)			Negative	Present
29	Upstairs Storage	Smooth Plaster (Finish coat)			Negative	Present
29	Upstairs Storage	Smooth Plaster (Finish coat)			Negative	Present
30	Slop Sink 2nd Floor	Smooth Plaster (Finish coat)			Negative	Present
30	Slop Sink 2nd Floor	Smooth Plaster (Finish coat)			Negative	Present

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FS#	FS Description	Material Description	Amount	Units	Asbestos	Status
31	Upstair Restroom	Smooth Plaster (Finish coat)			Negative	Present
31	Upstair Restroom	Smooth Plaster (Finish coat)			Negative	Present
32	Bedroom 2nd level #1	Smooth Plaster (Finish coat)			Negative	Present
32	Bedroom 2nd level #1	Smooth Plaster (Finish coat)			Negative	Present
33	Bedroom 2nd level #2	Smooth Plaster (Finish coat)			Negative	Present
33	Bedroom 2nd level #2	Smooth Plaster (Finish coat)			Negative	Present
34	Linen Closet	Smooth Plaster (Finish coat)			Negative	Present
34	Linen Closet	Smooth Plaster (Finish coat)			Negative	Present
35	Bedroom 2nd level #3	Smooth Plaster (Finish coat)			Negative	Present
35	Bedroom 2nd level #3	Smooth Plaster (Finish coat)			Negative	Present
36	Bedroom 2nd level #4	Smooth Plaster (Finish coat)			Negative	Present
36	Bedroom 2nd level #4	Smooth Plaster (Finish coat)			Negative	Present
37	Bedroom 2nd level #5	Smooth Plaster (Finish coat)			Negative	Present
37	Bedroom 2nd level #5	Smooth Plaster (Finish coat)			Negative	Present
38	Bedroom 2nd level #6	Smooth Plaster (Finish coat)			Negative	Present
38	Bedroom 2nd level #6	Smooth Plaster (Finish coat)			Negative	Present
39	Bedroom 2nd level #7	Smooth Plaster (Finish coat)			Negative	Present
39	Bedroom 2nd level #7	Smooth Plaster (Finish coat)			Negative	Present
40	Upstairs Office	Smooth Plaster (Finish coat)			Negative	Present
40	Upstairs Office	Smooth Plaster (Finish coat)			Negative	Present
41	Corner Clothes Storage	Smooth Plaster (Finish coat)			Negative	Present
41	Corner Clothes Storage	Smooth Plaster (Finish coat)			Negative	Present
42	Shared Bath 2nd level	Smooth Plaster (Finish coat)			Negative	Present
42	Shared Bath 2nd level	Smooth Plaster (Finish coat)			Negative	Present
43	Bedroom 2nd level #8	Smooth Plaster (Finish coat)			Negative	Present
43	Bedroom 2nd level #8	Smooth Plaster (Finish coat)			Negative	Present
44	Bedroom 2nd level #9	Smooth Plaster (Finish coat)			Negative	Present
44	Bedroom 2nd level #9	Smooth Plaster (Finish coat)			Negative	Present
45	Upstairs Linen Closet West	Smooth Plaster (Finish coat)			Negative	Present
45	Upstairs Linen Closet West	Smooth Plaster (Finish coat)			Negative	Present
46	Hallway	Smooth Plaster (Finish coat)			Negative	Present
46	Hallway	Smooth Plaster (Finish coat)			Negative	Present
2	Food Storage	Smooth Plaster (Brown coat)	80	Sq. Ft.	Negative	Present
3	Slop Sink Room	Smooth Plaster (Brown coat)	30	Sq. Ft.	Negative	Present
4	General Storage	Smooth Plaster (Brown coat)	120	Sq. Ft.	Negative	Present
5	Laundry Storage	Smooth Plaster (Brown coat)	96	Sq. Ft.	Negative	Present
6	Laundry Room	Smooth Plaster (Brown coat)			Negative	Present
10	Office Basement	Smooth Plaster (Brown coat)			Negative	Present

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FS#	FS Description	Material Description	Amount	Units	Asbestos	Status
11	Basement Bath	Smooth Plaster (Brown coat)	25	Sq. Ft.	Negative	Present
13	East Stairway	Smooth Plaster (Brown coat)			Negative	Present
13	East Stairway	Smooth Plaster (Brown coat)			Negative	Present
14	Kitchen	Smooth Plaster (Brown coat)			Negative	Present
14	Kitchen	Smooth Plaster (Brown coat)			Negative	Present
15	Dining Room	Smooth Plaster (Brown coat)			Negative	Present
15	Dining Room	Smooth Plaster (Brown coat)			Negative	Present
16	TV Room	Smooth Plaster (Brown coat)			Negative	Present
17	Side Entry Door Room	Smooth Plaster (Brown coat)			Negative	Present
18	Side Entry Office	Smooth Plaster (Brown coat)			Negative	Present
19	Bedroom 1	Smooth Plaster (Brown coat)	80	Sq. Ft.	Negative	Present
19	Bedroom 1	Smooth Plaster (Brown coat)			Negative	Present
20	Bedroom and Bathroom	Smooth Plaster (Brown coat)			Negative	Present
20	Bedroom and Bathroom	Smooth Plaster (Brown coat)			Negative	Present
21	Hallway Restroom	Smooth Plaster (Brown coat)			Negative	Present
21	Hallway Restroom	Smooth Plaster (Brown coat)			Negative	Present
22	Chapel	Smooth Plaster (Brown coat)			Negative	Present
22	Chapel	Smooth Plaster (Brown coat)			Negative	Present
23	Telephone Closet	Smooth Plaster (Brown coat)			Negative	Present
24	Downstairs Restroom Large	Smooth Plaster (Brown coat)			Negative	Present
24	Downstairs Restroom Large	Smooth Plaster (Brown coat)			Negative	Present
25	Slop Sink Main Floor	Smooth Plaster (Brown coat)			Negative	Present
25	Slop Sink Main Floor	Smooth Plaster (Brown coat)			Negative	Present
26	Closet Room	Smooth Plaster (Brown coat)			Negative	Present
26	Closet Room	Smooth Plaster (Brown coat)			Negative	Present
27	Hallway Main Floor	Smooth Plaster (Brown coat)			Negative	Present
27	Hallway Main Floor	Smooth Plaster (Brown coat)			Negative	Present
28	West Stairway to Basement	Smooth Plaster (Brown coat)			Negative	Present
28	West Stairway to Basement	Smooth Plaster (Brown coat)			Negative	Present
29	Upstairs Storage	Smooth Plaster (Brown coat)			Negative	Present
29	Upstairs Storage	Smooth Plaster (Brown coat)			Negative	Present
30	Slop Sink 2nd Floor	Smooth Plaster (Brown coat)			Negative	Present
30	Slop Sink 2nd Floor	Smooth Plaster (Brown coat)			Negative	Present
31	Upstairs Restroom	Smooth Plaster (Brown coat)			Negative	Present
31	Upstairs Restroom	Smooth Plaster (Brown coat)			Negative	Present
32	Bedroom 2nd level #1	Smooth Plaster (Brown coat)			Negative	Present
32	Bedroom 2nd level #1	Smooth Plaster (Brown coat)			Negative	Present
33	Bedroom 2nd level #2	Smooth Plaster (Brown coat)			Negative	Present

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FS#	FS Description	Material Description	Amount	Units	Asbestos	Status
33	Bedroom 2nd level #2	Smooth Plaster (Brown coat)			Negative	Present
34	Linen Closet	Smooth Plaster (Brown coat)			Negative	Present
34	Linen Closet	Smooth Plaster (Brown coat)			Negative	Present
35	Bedroom 2nd level #3	Smooth Plaster (Brown coat)			Negative	Present
35	Bedroom 2nd level #3	Smooth Plaster (Brown coat)			Negative	Present
36	Bedroom 2nd level #4	Smooth Plaster (Brown coat)			Negative	Present
36	Bedroom 2nd level #4	Smooth Plaster (Brown coat)			Negative	Present
37	Bedroom 2nd level #5	Smooth Plaster (Brown coat)			Negative	Present
37	Bedroom 2nd level #5	Smooth Plaster (Brown coat)			Negative	Present
38	Bedroom 2nd level #6	Smooth Plaster (Brown coat)			Negative	Present
38	Bedroom 2nd level #6	Smooth Plaster (Brown coat)			Negative	Present
39	Bedroom 2nd level #7	Smooth Plaster (Brown coat)			Negative	Present
39	Bedroom 2nd level #7	Smooth Plaster (Brown coat)			Negative	Present
40	Upstairs Office	Smooth Plaster (Brown coat)			Negative	Present
40	Upstairs Office	Smooth Plaster (Brown coat)			Negative	Present
41	Corner Clothes Storage	Smooth Plaster (Brown coat)			Negative	Present
41	Corner Clothes Storage	Smooth Plaster (Brown coat)			Negative	Present
42	Shared Bath 2nd level	Smooth Plaster (Brown coat)			Negative	Present
42	Shared Bath 2nd level	Smooth Plaster (Brown coat)			Negative	Present
43	Bedroom 2nd level #8	Smooth Plaster (Brown coat)			Negative	Present
43	Bedroom 2nd level #8	Smooth Plaster (Brown coat)			Negative	Present
44	Bedroom 2nd level #9	Smooth Plaster (Brown coat)			Negative	Present
44	Bedroom 2nd level #9	Smooth Plaster (Brown coat)			Negative	Present
45	Upstairs Linen Closet West	Smooth Plaster (Brown coat)			Negative	Present
45	Upstairs Linen Closet West	Smooth Plaster (Brown coat)			Negative	Present
46	Hallway	Smooth Plaster (Brown coat)			Negative	Present
46	Hallway	Smooth Plaster (Brown coat)			Negative	Present
8	Workout Room	1' x 1' CP Dots and Gouges	375	Sq. Ft.	Negative	Present
16	TV Room	1' x 1' CP Dots and Gouges	210	Sq. Ft.	Negative	Present
17	Side Entry Door Room	1' x 1' CP Dots and Gouges	121	Sq. Ft.	Negative	Present
18	Side Entry Office	1' x 1' CP Dots and Gouges	80	Sq. Ft.	Negative	Present
23	Telephone Closet	1' x 1' CP Dots and Gouges	20	Sq. Ft.	Negative	Present
8	Workout Room	Glue Pods of 1' x 1' CP Dots and Gouges	375	Sq. Ft.	Negative	Present
16	TV Room	Glue Pods of 1' x 1' CP Dots and Gouges	210	Sq. Ft.	Negative	Present
17	Side Entry Door Room	Glue Pods of 1' x 1' CP Dots and Gouges	121	Sq. Ft.	Negative	Present
18	Side Entry Office	Glue Pods of 1' x 1' CP Dots and Gouges	80	Sq. Ft.	Negative	Present
23	Telephone Closet	Glue Pods of 1' x 1' CP Dots and Gouges	20	Sq. Ft.	Negative	Present
1	Boiler Room	Swirled Plaster Ceiling ( Finish coat)	144	Sq. Ft.	Negative	Present

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<b>FS#</b>	<b>FS Description</b>	<b>Material Description</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>	<b>Status</b>
1	Boiler Room	Swirled Plaster Ceiling ( Brown coat)	144	Sq. Ft.	Negative	Present
1	Boiler Room	Fiberglass Pipe Insulation	3	Ln. Ft	Negative	Present
6	Laundry Room	Fiberglass Pipe Insulation	15	Ln. Ft	Negative	Present
8	Workout Room	Fiberglass Pipe Insulation	36	Ln. Ft	Negative	Present
9	West Stair Storage	Fiberglass Pipe Insulation	65	Ln. Ft	Negative	Present
12	Basement Corridor	Fiberglass Pipe Insulation	75	Ln. Ft	Negative	Present
1	Boiler Room	Mud Fittings	6	Total	Negative	Present
6	Laundry Room	Mud Fittings	6	Total	Negative	Present
9	West Stair Storage	Mud Fittings	15	Ln. Ft	Negative	Present
12	Basement Corridor	Mud Fittings	24	Ln. Ft	Negative	Present
5	Laundry Storage	9" x 9" FT Lt. Brown w/ Drk Brown Streaks	96	Sq. Ft.	Positive	Present
10	Office Basement	9" x 9" FT Lt. Brown w/ Drk Brown Streaks	300	Sq. Ft.	Positive	Present
12	Basement Corridor	9" x 9" FT Lt. Brown w/ Drk Brown Streaks	300	Sq. Ft.	Positive	Present
13	East Stairway	9" x 9" FT Lt. Brown w/ Drk Brown Streaks	110	Sq. Ft.	Positive	Present
18	Side Entry Office	9" x 9" FT Lt. Brown w/ Drk Brown Streaks	121	Sq. Ft.	Positive	Present
28	West Stairway to Basement	9" x 9" FT Lt. Brown w/ Drk Brown Streaks	30	Sq. Ft.	Positive	Present
5	Laundry Storage	Mastic of 9" x 9" Lt. Brown FT w/ Drk Brown Streaks	96	Sq. Ft.	Positive	Present
10	Office Basement	Mastic of 9" x 9" Lt. Brown FT w/ Drk Brown Streaks	300	Sq. Ft.	Positive	Present
12	Basement Corridor	Mastic of 9" x 9" Lt. Brown FT w/ Drk Brown Streaks	300	Sq. Ft.	Positive	Present
13	East Stairway	Mastic of 9" x 9" Lt. Brown FT w/ Drk Brown Streaks	110	Sq. Ft.	Positive	Present
18	Side Entry Office	Mastic of 9" x 9" Lt. Brown FT w/ Drk Brown Streaks	121	Sq. Ft.	Positive	Present
28	West Stairway to Basement	Mastic of 9" x 9" Lt. Brown FT w/ Drk Brown Streaks	30	Sq. Ft.	Positive	Present
5	Laundry Storage	4" Brown covebase	14	Ln. Ft	Negative	Present
8	Workout Room	4" Brown covebase	85	Ln. Ft	Negative	Present
10	Office Basement	4" Brown covebase	75	Ln. Ft	Negative	Present
12	Basement Corridor	4" Brown covebase	140	Ln. Ft	Negative	Present
13	East Stairway	4" Brown covebase	5	Ln. Ft	Negative	Present
18	Side Entry Office	4" Brown covebase	22	Ln. Ft	Negative	Present
25	Slop Sink Main Floor	4" Brown covebase	20	Ln. Ft	Negative	Present
26	Closet Room	4" Brown covebase	1	Ln. Ft	Negative	Present
28	West Stairway to Basement	4" Brown covebase	5	Ln. Ft	Negative	Present
32	Bedroom 2nd level #1	4" Brown covebase	30	Ln. Ft	Negative	Present
33	Bedroom 2nd level #2	4" Brown covebase	30	Ln. Ft	Negative	Present
35	Bedroom 2nd level #3	4" Brown covebase	30	Ln. Ft	Negative	Present
36	Bedroom 2nd level #4	4" Brown covebase	30	Ln. Ft	Negative	Present
37	Bedroom 2nd level #5	4" Brown covebase	30	Ln. Ft	Negative	Present
38	Bedroom 2nd level #6	4" Brown covebase	30	Ln. Ft	Negative	Present
39	Bedroom 2nd level #7	4" Brown covebase	30	Ln. Ft	Negative	Present

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<b>FS#</b>	<b>FS Description</b>	<b>Material Description</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>	<b>Status</b>
40	Upstairs Office	4" Brown covebase	30	Ln. Ft	Negative	Present
41	Corner Clothes Storage	4" Brown covebase	10	Ln. Ft	Negative	Present
43	Bedroom 2nd level #8	4" Brown covebase	30	Ln. Ft	Negative	Present
44	Bedroom 2nd level #9	4" Brown covebase	30	Ln. Ft	Negative	Present
5	Laundry Storage	Mastic of 4" Brown covebase	14	Ln. Ft	Negative	Present
8	Workout Room	Mastic of 4" Brown covebase	85	Ln. Ft	Negative	Present
10	Office Basement	Mastic of 4" Brown covebase	75	Ln. Ft	Negative	Present
12	Basement Corridor	Mastic of 4" Brown covebase	140	Ln. Ft	Negative	Present
13	East Stairway	Mastic of 4" Brown covebase	5	Ln. Ft	Negative	Present
18	Side Entry Office	Mastic of 4" Brown covebase	22	Ln. Ft	Negative	Present
25	Slop Sink Main Floor	Mastic of 4" Brown covebase	20	Ln. Ft	Negative	Present
26	Closet Room	Mastic of 4" Brown covebase	1	Ln. Ft	Negative	Present
28	West Stairway to Basement	Mastic of 4" Brown covebase	5	Ln. Ft	Negative	Present
32	Bedroom 2nd level #1	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
33	Bedroom 2nd level #2	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
35	Bedroom 2nd level #3	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
36	Bedroom 2nd level #4	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
37	Bedroom 2nd level #5	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
38	Bedroom 2nd level #6	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
39	Bedroom 2nd level #7	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
40	Upstairs Office	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
41	Corner Clothes Storage	Mastic of 4" Brown covebase	10	Ln. Ft	Negative	Present
43	Bedroom 2nd level #8	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
44	Bedroom 2nd level #9	Mastic of 4" Brown covebase	30	Ln. Ft	Negative	Present
12	Basement Corridor	2' x 4' CP Dots and Gouges	300	Sq. Ft.	Negative	Present
8	Workout Room	9" x 9" FT Dark Brown w/ Dark Brown Streaks	375	Sq. Ft.	Positive	Present
32	Bedroom 2nd level #1	9" x 9" FT Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Positive	Present
33	Bedroom 2nd level #2	9" x 9" FT Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Positive	Present
35	Bedroom 2nd level #3	9" x 9" FT Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Positive	Present
36	Bedroom 2nd level #4	9" x 9" FT Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Positive	Present
37	Bedroom 2nd level #5	9" x 9" FT Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Positive	Present
38	Bedroom 2nd level #6	9" x 9" FT Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Positive	Present
39	Bedroom 2nd level #7	9" x 9" FT Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Positive	Present
40	Upstairs Office	9" x 9" FT Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Positive	Present
43	Bedroom 2nd level #8	9" x 9" FT Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Positive	Present
44	Bedroom 2nd level #9	9" x 9" FT Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Positive	Present
8	Workout Room	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	375	Sq. Ft.	Negative	Present
32	Bedroom 2nd level #1	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present



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<b>FS#</b>	<b>FS Description</b>	<b>Material Description</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>	<b>Status</b>
33	Bedroom 2nd level #2	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
35	Bedroom 2nd level #3	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
36	Bedroom 2nd level #4	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
37	Bedroom 2nd level #5	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
38	Bedroom 2nd level #6	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
39	Bedroom 2nd level #7	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
40	Upstairs Office	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
43	Bedroom 2nd level #8	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
44	Bedroom 2nd level #9	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks	120	Sq. Ft.	Negative	Present
4	<b>General Storage</b>	<b>9"x 9" FT White w/ Black Streaks</b>	<b>120</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
6	<b>Laundry Room</b>	<b>9"x 9" FT White w/ Black Streaks</b>	<b>300</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
15	<b>Dining Room</b>	<b>9"x 9" FT White w/ Black Streaks</b>	<b>360</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
29	<b>Upstairs Storage</b>	<b>9"x 9" FT White w/ Black Streaks</b>	<b>120</b>	<b>Sq. Ft.</b>	<b>Positive</b>	<b>Present</b>
4	General Storage	Mastic of 9" x 9" FT White w/ Black Steaks	120	Sq. Ft.	Negative	Present
6	Laundry Room	Mastic of 9" x 9" FT White w/ Black Steaks	300	Sq. Ft.	Negative	Present
15	Dining Room	Mastic of 9" x 9" FT White w/ Black Steaks	360	Sq. Ft.	Negative	Present
29	Upstairs Storage	Mastic of 9" x 9" FT White w/ Black Steaks	120	Sq. Ft.	Negative	Present
4	General Storage	4" Black covebase	44	Ln. Ft	Negative	Present
6	Laundry Room	4" Black covebase	75	Ln. Ft	Negative	Present
29	Upstairs Storage	4" Black covebase	30	Ln. Ft	Negative	Present
30	Slop Sink 2nd Floor	4" Black covebase	15	Ln. Ft	Negative	Present
34	Linen Closet	4" Black covebase	25	Ln. Ft	Negative	Present
45	Upstairs Linen Closet West	4" Black covebase	25	Ln. Ft	Negative	Present
4	General Storage	Mastic of 4" Black covebase	44	Ln. Ft	Negative	Present
6	Laundry Room	Mastic of 4" Black covebase	75	Ln. Ft	Negative	Present
29	Upstairs Storage	Mastic of 4" Black covebase	30	Ln. Ft	Negative	Present
30	Slop Sink 2nd Floor	Mastic of 4" Black covebase	15	Ln. Ft	Negative	Present
34	Linen Closet	Mastic of 4" Black covebase	25	Ln. Ft	Negative	Present
45	Upstairs Linen Closet West	Mastic of 4" Black covebase	25	Ln. Ft	Negative	Present
1	Boiler Room	Cinderblock			Negative	Present
2	Food Storage	Cinderblock			Negative	Present
3	Slop Sink Room	Cinderblock			Negative	Present
4	General Storage	Cinderblock			Negative	Present
5	Laundry Storage	Cinderblock			Negative	Present
6	Laundry Room	Cinderblock			Negative	Present
7	Furniture Storage	Cinderblock			Negative	Present
8	Workout Room	Cinderblock			Negative	Present
9	West Stair Storage	Cinderblock	100	Sq. Ft.	Negative	Present

**Warren Consolidated Schools  
St. Sylvester Convent  
List by Homogenous Area**

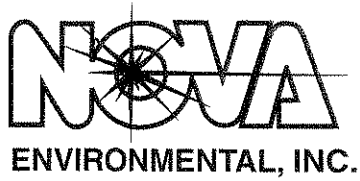
<b>FS#</b>	<b>FS Description</b>	<b>Material Description</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>	<b>Status</b>
10	Office Basement	Cinderblock			Negative	Present
11	Basement Bath	Cinderblock			Negative	Present
12	Basement Corridor	Cinderblock			Negative	Present
13	East Stairway	Cinderblock			Negative	Present
28	West Stairway to Basement	Cinderblock			Negative	Present
1	Boiler Room	Mortar of Cinderblock			Negative	Present
2	Food Storage	Mortar of Cinderblock			Negative	Present
3	Slop Sink Room	Mortar of Cinderblock			Negative	Present
4	General Storage	Mortar of Cinderblock			Negative	Present
5	Laundry Storage	Mortar of Cinderblock			Negative	Present
6	Laundry Room	Mortar of Cinderblock			Negative	Present
7	Furniture Storage	Mortar of Cinderblock			Negative	Present
8	Workout Room	Mortar of Cinderblock			Negative	Present
9	West Stair Storage	Mortar of Cinderblock			Negative	Present
10	Office Basement	Mortar of Cinderblock			Negative	Present
11	Basement Bath	Mortar of Cinderblock			Negative	Present
12	Basement Corridor	Mortar of Cinderblock			Negative	Present
13	East Stairway	Mortar of Cinderblock			Negative	Present
28	West Stairway to Basement	Mortar of Cinderblock			Negative	Present
1	Boiler Room	Concrete Floor	144	Sq. Ft.	Negative	Present
2	Food Storage	Concrete Floor	80	Sq. Ft.	Negative	Present
3	Slop Sink Room	Concrete Floor	30	Sq. Ft.	Negative	Present
7	Furniture Storage	Concrete Floor	200	Sq. Ft.	Negative	Present
9	West Stair Storage	Concrete Floor	100	Sq. Ft.	Negative	Present
1	<b>Boiler Room</b>	<b>Fire Door</b>	<b>1</b>	<b>Total</b>	<b>Assumed</b>	<b>Present</b>
1	<b>Boiler Room</b>	<b>Frame - Tagged</b>	<b>1</b>	<b>Total</b>	<b>Assumed</b>	<b>Present</b>
5	<b>Laundry Storage</b>	<b>Light Heat Shield</b>	<b>2</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
6	<b>Laundry Room</b>	<b>Light Heat Shield</b>	<b>3</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
11	<b>Basement Bath</b>	<b>Light Heat Shield</b>	<b>1</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
12	<b>Basement Corridor</b>	<b>Light Heat Shield</b>	<b>10</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
13	<b>East Stairway</b>	<b>Light Heat Shield</b>	<b>1</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
15	<b>Dining Room</b>	<b>Light Heat Shield</b>	<b>8</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
16	<b>TV Room</b>	<b>Light Heat Shield</b>	<b>1</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
17	<b>Side Entry Door Room</b>	<b>Light Heat Shield</b>	<b>1</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
18	<b>Side Entry Office</b>	<b>Light Heat Shield</b>	<b>1</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
22	<b>Chapel</b>	<b>Light Heat Shield</b>	<b>1</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
24	<b>Downstairs Restroom Large</b>	<b>Light Heat Shield</b>	<b>1</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>
26	<b>Closet Room</b>	<b>Light Heat Shield</b>	<b>2</b>	<b>Total</b>	<b>Positive</b>	<b>Present</b>

**Warren Consolidated Schools  
St. Sylvester Convent  
List by Homogenous Area**

FS#	FS Description	Material Description	Amount	Units	Asbestos	Status
27	Hallway Main Floor	Light Heat Shield	10	Total	Positive	Present
28	West Stairway to Basement	Light Heat Shield	1	Total	Positive	Present
29	Upstairs Storage	Light Heat Shield	1	Total	Positive	Present
31	Upstair Restroom	Light Heat Shield	1	Total	Positive	Present
32	Bedroom 2nd level #1	Light Heat Shield	1	Total	Positive	Present
33	Bedroom 2nd level #2	Light Heat Shield	1	Total	Positive	Present
35	Bedroom 2nd level #3	Light Heat Shield	1	Total	Positive	Present
36	Bedroom 2nd level #4	Light Heat Shield	1	Total	Positive	Present
37	Bedroom 2nd level #5	Light Heat Shield	1	Total	Positive	Present
38	Bedroom 2nd level #6	Light Heat Shield	1	Total	Positive	Present
39	Bedroom 2nd level #7	Light Heat Shield	1	Total	Positive	Present
41	Corner Clothes Storage	Light Heat Shield	1	Total	Positive	Present
43	Bedroom 2nd level #8	Light Heat Shield	1	Total	Positive	Present
44	Bedroom 2nd level #9	Light Heat Shield	1	Total	Positive	Present
46	Hallway	Light Heat Shield	10	Total	Positive	Present
13	East Stairway	Stair tread Brown	100	Sq. Ft.	Negative	Present
28	West Stairway to Basement	Stair tread Brown	100	Sq. Ft.	Negative	Present
13	East Stairway	Mastic of Stair tread Brown	100	Sq. Ft.	Negative	Present
28	West Stairway to Basement	Mastic of Stair tread Brown	100	Sq. Ft.	Negative	Present
22	Chapel	9"x 9" FT Brown w/ Dark Brown Specks	40	Sq. Ft.	Positive	Present
27	Hallway Main Floor	9"x 9" FT Brown w/ Dark Brown Specks	20	Sq. Ft.	Positive	Present
30	Slop Sink 2nd Floor	9"x 9" FT Brown w/ Dark Brown Specks	20	Sq. Ft.	Positive	Present
34	Linen Closet	9"x 9" FT Brown w/ Dark Brown Specks	25	Sq. Ft.	Positive	Present
41	Corner Clothes Storage	9"x 9" FT Brown w/ Dark Brown Specks	100	Sq. Ft.	Positive	Present
45	Upstairs Linen Closet West	9"x 9" FT Brown w/ Dark Brown Specks	25	Sq. Ft.	Positive	Present
22	Chapel	Mastic of 9"x 9" FT Brown w/ Dark Brown Specks	40	Sq. Ft.	Negative	Present
27	Hallway Main Floor	Mastic of 9"x 9" FT Brown w/ Dark Brown Specks	20	Sq. Ft.	Negative	Present
30	Slop Sink 2nd Floor	Mastic of 9"x 9" FT Brown w/ Dark Brown Specks	20	Sq. Ft.	Negative	Present
34	Linen Closet	Mastic of 9"x 9" FT Brown w/ Dark Brown Specks	25	Sq. Ft.	Negative	Present
41	Corner Clothes Storage	Mastic of 9"x 9" FT Brown w/ Dark Brown Specks	100	Sq. Ft.	Negative	Present
45	Upstairs Linen Closet West	Mastic of 9"x 9" FT Brown w/ Dark Brown Specks	25	Sq. Ft.	Negative	Present
14	Kitchen	Marble Linoleum Lt. colored w/ Blue Dots	240	Sq. Ft.	Positive	Present
14	Kitchen	Mastic of Marble Linoleum Lt. colored w/ Blue Dots	240	Sq. Ft.	Positive	Present
25	Slop Sink Main Floor	Gold Marble Vinyl Sheeting	30	Sq. Ft.	Positive	Present
26	Closet Room	Gold Marble Vinyl Sheeting	50	Sq. Ft.	Positive	Present
25	Slop Sink Main Floor	Mastic of Gold Marble Vinyl Sheeting	30	Sq. Ft.	Positive	Present
26	Closet Room	Mastic of Gold Marble Vinyl Sheeting	50	Sq. Ft.	Positive	Present
17	Side Entry Door Room	12"x 12" FT White w/ colored specks	121	Sq. Ft.	Negative	Present

**Warren Consolidated Schools  
St. Sylvester Convent  
List by Homogenous Area**

<b>FS#</b>	<b>FS Description</b>	<b>Material Description</b>	<b>Amount</b>	<b>Units</b>	<b>Asbestos</b>	<b>Status</b>
17	Side Entry Door Room	Mastic of 12"x 12" FT White w/ colored specks	121	Sq. Ft.	Negative	Present
17	Side Entry Door Room	4" Tan covebase	44	Ln. Ft	Negative	Present
17	Side Entry Door Room	Mastic of 4" Tan covebase	44	Ln. Ft	Negative	Present
13	East Stairway	6" Brown covebase	75	Ln. Ft	Negative	Present
28	West Stairway to Basement	6" Brown covebase	75	Ln. Ft	Negative	Present
13	East Stairway	Mastic of 6" Brown covebase	75	Ln. Ft	Negative	Present
28	West Stairway to Basement	Mastic of 6" Brown covebase	75	Ln. Ft	Negative	Present
14	Kitchen	Pink sink undercoat	3	Total	Negative	Present
47	Exterior	Brick			Negative	Present
47	Exterior	Brick Mortar			Negative	Present



**Warren Consolidated Schools  
St. Sylvester Convent**

**Section III  
Laboratory Results**

This section provides the bulk sample collection information and laboratory results for all samples analyzed.

The Bulk Sample Results forms identify sample ID, Material Description, Material Class, Location of Sample, Sample Condition, Asbestos Detected, % Type of Asbestos and Non-Asbestos Material. Subsequent to these forms are the EMSL Analytical, Inc. Laboratory Results forms.



## BULK SAMPLE RESULTS

CLIENT: Warren Consolidated Schools

BUILDING: St. Sylvester Church – Convent

PROJECT #: CI0010/SSC102

TYPE OF ANALYSIS: PLM

<u>SAMPLE ID.</u>	<u>MATERIAL DESCRIPTION</u>	<u>CLASS</u>	<u>LOCATION OF SAMPLE</u>	<u>SAMPLE CONDITION</u>	<u>ASBESTOS DETECTED</u>	<u>%/TYPE</u>	<u>NON-ASBESTOS MATERIAL</u>
CI0010/SSC102-001A	Smooth Plaster Finishcoat	Surf.	Northwest Corner of Basement Office	Non-Friable	None Detected	---	100% Other Nonfibrous
CI0010/SSC102-001B	Smooth Plaster Browncoat	Surf.	Northwest Corner of Basement Office	Non-Friable	None Detected	---	<1% Cellulose 100% Other Nonfibrous
CI0010/SSC102-002A	1' x 1' Ceiling Panel, Dots & Gouges	Surf.	Northwest Corner of Rec Room	Non-Friable	None Detected	---	40% Glass 20% Cellulose 40% Other Nonfibrous
CI0010/SSC102-002B	Gluepod of 1' x 1' Ceiling Panel, Dots & Gouges	Surf.	Northwest Corner of Rec Room	Non-Friable	None Detected	---	2% Glass 98% Other Nonfibrous
CI0010/SSC102-003A	Swirled Plaster Ceiling Finishcoat	Surf.	Northwest Corner of Boiler Room	Non-Friable	None Detected	---	2% Cellulose 98% Other Nonfibrous
CI0010/SSC102-003B	Swirled Plaster Ceiling Browncoat	Surf.	Northwest Corner of Boiler Room	Non-Friable	None Detected	---	100% Other Nonfibrous
CI0010/SSC102-004A	9" x 9" Light Brown with Dark Brown Streaks Floor Tile	Misc.	Northwest Corner of Basement Office	Non-Friable	Yes	3% Chrysotile	2% Cellulose 95% Other Nonfibrous
CI0010/SSC102-004B	9" x 9" Light Brown with Dark Brown Streaks Floor Tile Mastic	Misc.	Northwest Corner of Basement Office	Non-Friable	Yes	4% Chrysotile	3% Cellulose 93% Other Nonfibrous
CI0010/SSC102-005A	4" Brown Covebase	Misc.	Northwest Corner of Basement Office	Non-Friable	None Detected	---	70% Ca Carbonate 30% Other Nonfibrous
CI0010/SSC102-005B	4" Brown Covebase Mastic	Misc.	Northwest Corner of Basement Office	Non-Friable	None Detected	---	3% Cellulose 97% Other Nonfibrous
CI0010/SSC102-006	2' x 4' Ceiling Panel, Dots & Gouges	Misc.	Hallway of Basement, West End	Friable	None Detected	---	45% Glass 20% Cellulose 35% Other Nonfibrous



## BULK SAMPLE RESULTS

CLIENT: Warren Consolidated Schools

BUILDING: St. Sylvester Church – Convent

PROJECT #: CI0010/SSC102

TYPE OF ANALYSIS: PLM

<u>SAMPLE ID.</u>	<u>MATERIAL DESCRIPTION</u>	<u>CLASS</u>	<u>LOCATION OF SAMPLE</u>	<u>SAMPLE CONDITION</u>	<u>ASBESTOS DETECTED</u>	<u>%/TYPE</u>	<u>NON-ASBESTOS MATERIAL</u>
CI0010/SSC102-007A	9" x 9" Dark Brown with Dark Brown Streaks Floor Tile	Misc.	Northwest Corner of Rec Room	Non-Friable	Yes	2% Chrysotile	2% Cellulose 96% Other Nonfibrous
CI0010/SSC102-007B	9" x 9" Dark Brown with Dark Brown Streaks Floor Tile Mastic	Misc.	Northwest Corner of Rec Room	Non-Friable	None Detected	---	2% Cellulose 98% Other Nonfibrous
CI0010/SSC102-008A	9" x 9" White with Black Streaks Floor Tile	Misc.	Southeast Corner of Laundry Room	Non-Friable	Yes	3% Chrysotile	2% Cellulose 95% Other Nonfibrous
CI0010/SSC102-008B	9" x 9" White with Black Streaks Floor Tile Mastic	Misc.	Southeast Corner of Laundry Room	Non-Friable	None Detected	---	3% Cellulose 97% Other Nonfibrous
CI0010/SSC102-009A	4" Black Covebase	Misc.	Southeast Corner of Laundry Room	Non-Friable	None Detected	---	2% Cellulose 98% Other Nonfibrous
CI0010/SSC102-009B	4" Black Covebase Mastic	Misc.	Southeast Corner of Laundry Room	Non-Friable	None Detected	---	2% Cellulose 98% Other Nonfibrous
CI0010/SSC102-010	Cinderblock	Misc.	Near Entrance of Storage Room	Non-Friable	None Detected	---	50% Quartz 50% Other Nonfibrous
CI0010/SSC102-011	Cinderblock Mortar	Misc.	Near Entrance of Storage Room	Non-Friable	None Detected	---	40% Quartz 60% Other Nonfibrous
CI0010/SSC102-012	Concrete	Misc.	Northwest Corner of Boiler Room	Non-Friable	None Detected	---	30% Quartz 70% Other Nonfibrous
CI0010/SSC102-013	Light Heat Shield	Misc.	Upstairs Storage	Friable	Yes	60% Chrysotile	20% Cellulose 20% Other Nonfibrous
CI0010/SSC102-014A	Stair Tread	Misc.	East Stairwell	Non-Friable	None Detected	---	2% Cellulose 98% Other Nonfibrous
CI0010/SSC102-014B	Stair Tread Mastic	Misc.	East Stairwell	Non-Friable	None Detected	---	2% Cellulose 98% Other Nonfibrous



## BULK SAMPLE RESULTS

CLIENT: Warren Consolidated Schools

BUILDING: St. Sylvester Church - Convent

PROJECT #: CI0010/SSC102

TYPE OF ANALYSIS: PLM

<u>SAMPLE ID.</u>	<u>MATERIAL DESCRIPTION</u>	<u>CLASS</u>	<u>LOCATION OF SAMPLE</u>	<u>SAMPLE CONDITION</u>	<u>ASBESTOS DETECTED</u>	<u>%/TYPE</u>	<u>NON-ASBESTOS MATERIAL</u>
CI0010/SSC102-015A	6" Brown Covebase	Misc.	East Stairwell	Non-Friable	None Detected	---	2% Cellulose 98% Other Nonfibrous
CI0010/SSC102-015B	6" Brown Covebase Mastic	Misc.	East Stairwell	Non-Friable	None Detected	---	3% Cellulose 97% Other Nonfibrous
CI0010/SSC102-016A	9" x 9" Brown with Dark Brown Specks Floor Tile	Misc.	West Stairwell	Non-Friable	Yes	3% Chrysotile	2% Cellulose 95% Other Nonfibrous
CI0010/SSC102-016B	9" x 9" Brown with Dark Brown Specks Floor Tile Mastic	Misc.	West Stairwell	Non-Friable	None Detected	---	3% Cellulose 97% Other Nonfibrous
CI0010/SSC102-017A	Vinyl Sheeting, Marble Light Color with Blue Dots, Top Layer	Misc.	Kitchen behind Refrigerator	Non-Friable	None Detected	---	75% Ca Carbonate 25% Other Nonfibrous
CI0010/SSC102-017A-A	Vinyl Sheeting, Marble Light Color with Blue Dots, Bottom Layer	Misc.	Kitchen behind Refrigerator	Non-Friable	Yes	60% Chrysotile	20% Cellulose 20% Other Nonfibrous
CI0010/SSC102-017B	Marble Light Color with Blue Dots Vinyl Sheeting Mastic	Misc.	Kitchen behind Refrigerator	Non-Friable	None Detected	---	2% Glass 98% Other Nonfibrous
CI0010/SSC102-018A	Gold Marble Vinyl Sheeting, Top Layer	Misc.	Slop Sink, Main Floor	Non-Friable	None Detected	---	75% Ca Carbonate 25% Other Nonfibrous
CI0010/SSC102-018A-A	Gold Marble Vinyl Sheeting, Bottom Layer	Misc.	Slop Sink, Main Floor	Non-Friable	Yes	50% Chrysotile	30% Cellulose 20% Other Nonfibrous
CI0010/SSC102-019A	12" x 12" White with Colored Specks Floor Tile	Misc.	South Entrance	Non-Friable	None Detected	---	65% Ca Carbonate 35% Other Nonfibrous
CI0010/SSC102-019B	12" x 12" White with Colored Specks Floor Tile Mastic	Misc.	South Entrance	Non-Friable	None Detected	---	2% Cellulose 98% Other Nonfibrous
CI0010/SSC102-020A	4" Tan Covebase	Misc.	South Entrance	Non-Friable	None Detected	---	2% Cellulose 98% Other Nonfibrous
CI0010/SSC102-020B	4" Tan Covebase Mastic	Misc.	South Entrance	Non-Friable	None Detected	---	2% Glass 98% Other Nonfibrous





## BULK SAMPLE RESULTS

CLIENT: Warren Consolidated Schools

BUILDING: St. Sylvester Church - Convent

PROJECT #: CI0010/SSC102

TYPE OF ANALYSIS: PLM

<u>SAMPLE I.D.</u>	<u>MATERIAL DESCRIPTION</u>	<u>CLASS</u>	<u>LOCATION OF SAMPLE</u>	<u>SAMPLE CONDITION</u>	<u>ASBESTOS DETECTED</u>	<u>%/TYPE</u>	<u>NON-ASBESTOS MATERIAL</u>
CI0010/SSC102-021	Pink Sink Undercoating	Misc.	Kitchen	Non-Friable	None Detected	---	2% Glass 2% Other Fibrous 96% Other Nonfibrous
CI0010/SSC102-022A	Fiberglass Pipe, Black Layer	TSI	Boiler Room	Friable	None Detected	---	60% Cellulose 40% Other Nonfibrous
CI0010/SSC102-022B	Fiberglass Pipe, Gray Layer	TSI	Boiler Room	Friable	None Detected	---	96% Glass 4% Other Nonfibrous
CI0010/SSC102-023A	Mud Fitting, Netting	TSI	Boiler Room	Non-Friable	None Detected	---	90% Cellulose 10% Other Nonfibrous
CI0010/SSC102-023B	Mud Fitting, Gray Layer	TSI	Boiler Room	Non-Friable	None Detected	---	40% Glass 60% Other Nonfibrous
CI0010/SSC102-024A	Mud Fitting, Netting	TSI	Laundry Room	Non-Friable	None Detected	---	80% Cellulose 20% Other Nonfibrous
CI0010/SSC102-024B	Mud Fitting, Gray Layer	TSI	Laundry Room	Non-Friable	None Detected	---	35% Glass 65% Other Nonfibrous
CI0010/SSC102-025A	Mud Fitting, Netting	TSI	West Stair Storage	Non-Friable	None Detected	---	80% Cellulose 20% Other Nonfibrous
CI0010/SSC102-025B	Mud Fitting, Gray Layer	TSI	West Stair Storage	Non-Friable	None Detected	---	40% Glass 60% Other Nonfibrous
CI0010/SSC102-026	Brick	Misc.	East Side Exterior	Non-Friable	None Detected	---	100% Other Nonfibrous
CI0010/SSC102-027	Brick Mortar	Misc.	East Side Exterior	Non-Friable	None Detected	---	35% Quartz 65% Other Nonfibrous

**EMSL Analytical, Inc.**

212 South Wagner Road, Ann Arbor, MI 48103

Phone: (734) 668-6810 Fax: (734) 668-8532 Email: annarborlab@emsl.com

Attn: **Steve Cretsinger**  
**Nova Environmental, Inc**  
**5340 Plymouth Rd**  
**Suite 210**  
**Ann Arbor, MI 48105**

Customer ID: NOVA53  
 Customer PO:  
 Received: 08/23/04 9:00 AM  
 EMSL Order: 080403272

Fax: (734) 930-2969 Phone: (734) 930-0995  
 Project: C10010/SSC102, Warren Public Schools, St. Sylvester's  
 Church Convent

EMSL Proj:  
 Analysis Date: 8/23/2004  
 Report Date: 8/23/2004

### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
C10010/SSC102-001A 080403272-0001		White Non-Fibrous Heterogeneous	Crushed		100% Non-fibrous (other)	None Detected
C10010/SSC102-001B 080403272-0002		Gray Non-Fibrous Heterogeneous	Crushed	<1% Cellulose	100% Non-fibrous (other)	None Detected
C10010/SSC102-002A 080403272-0003		Gray Non-Fibrous Heterogeneous	Teased Ashed	40% Glass 20% Cellulose	40% Non-fibrous (other)	None Detected
C10010/SSC102-002B 080403272-0004		Tan Non-Fibrous Heterogeneous	Crushed	2% Glass	98% Non-fibrous (other)	None Detected
C10010/SSC102-003A 080403272-0005		White Non-Fibrous Heterogeneous	Crushed	2% Cellulose	98% Non-fibrous (other)	None Detected
C10010/SSC102-003B 080403272-0006		Gray Non-Fibrous Heterogeneous	Crushed		100% Non-fibrous (other)	None Detected
C10010/SSC102-004A 080403272-0007		Gray Non-Fibrous Heterogeneous	Crushed	2% Cellulose	95% Non-fibrous (other)	3% Chrysotile

Analyst(s)

Jane Zhang (48)

or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client.

Analysis performed by EMSL Ann Arbor (NV/LAP #1D1048-4)

EMSL

SM

## EMSL Analytical, Inc.

212 South Wagner Road, Ann Arbor, MI 48103

Phone: (734) 668-8810 Fax: (734) 668-8532 Email: annarborlab@emsl.com

Attn: **Steve Cretsinger**  
**Nova Environmental, Inc**  
**5340 Plymouth Rd**  
**Suite 210**  
**Ann Arbor, MI 48105**

Customer ID: NOVA53  
 Customer PO:  
 Received: 08/23/04 9:00 AM  
 EMSL Order: 080403272

Fax: (734) 930-2969 Phone: (734) 930-0995  
 Project: CI0010/SSC102, Warren Public Schools, St. Sylvester's  
 Church Convert

EMSL Proj:  
 Analysis Date: 8/23/2004  
 Report Date: 8/23/2004

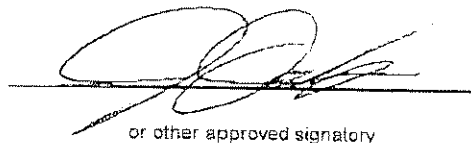
### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
CI0010/SSC102-004B 080403272-0008		Black Non-Fibrous Heterogeneous	Crushed	3% Cellulose	93% Non-fibrous (other)	4% Chrysotile
CI0010/SSC102-005A 080403272-0009		Brown Non-Fibrous Heterogeneous	Crushed		30% Non-fibrous (other) 70% Ca Carbonate	None Detected
CI0010/SSC102-005B 080403272-0010		Tan Non-Fibrous Heterogeneous	Crushed	3% Cellulose	97% Non-fibrous (other)	None Detected
CI0010/SSC102-006 080403272-0011		White/Tan Fibrous Heterogeneous	Teased Ashed	45% Glass 20% Cellulose	35% Non-fibrous (other)	None Detected
CI0010/SSC102-007A 080403272-0012		Beige Non-Fibrous Heterogeneous	Crushed	2% Cellulose	95% Non-fibrous (other)	2% Chrysotile
CI0010/SSC102-007B 080403272-0013		Black Non-Fibrous Heterogeneous	Crushed	2% Cellulose	98% Non-fibrous (other)	None Detected
CI0010/SSC102-008A 080403272-0014		Grayish Non-Fibrous Heterogeneous	Crushed	2% Cellulose	95% Non-fibrous (other)	3% Chrysotile

Analyst(s)

J Zhang

Jane Zhang (48)



or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client.

Analysis performed by EMSL Ann Arbor (NVLAP #101048-4)

EMSL

## EMSL Analytical, Inc.

212 South Wagner Road, Ann Arbor, MI 48103

Phone: (734) 668-8810 Fax: (734) 668-8532 Email: [annarborlab@emsl.com](mailto:annarborlab@emsl.com)

Attn: Steve Cretsinger

Nova Environmental, Inc

5340 Plymouth Rd

Suite 210

Ann Arbor, MI 48105

Customer ID: NOVA53

Customer PO:

Received: 08/23/04 9:00 AM

EMSL Order: 080403272

Fax: (734) 930-2969

Phone: (734) 930-0995

EMSL Proj:

Project: CI0010/SSC102, Warren Public Schools, St. Sylvester's Church Convent

Analysis Date: 8/23/2004

Report Date: 8/23/2004

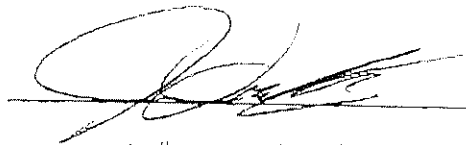
## Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
CI0010/SSC102-008B 080403272-0015		Black Non-Fibrous Heterogeneous	Crushed	3% Cellulose	97% Non-fibrous (other)	None Detected
CI0010/SSC102-009A 080403272-0016		Black Non-Fibrous Heterogeneous	Crushed	2% Cellulose	98% Non-fibrous (other)	None Detected
CI0010/SSC102-009B 080403272-0017		Black Non-Fibrous Heterogeneous	Crushed	2% Cellulose	98% Non-fibrous (other)	None Detected
CI0010/SSC102-010 080403272-0018		Gray Non-Fibrous Heterogeneous	Crushed		50% Quartz 50% Non-fibrous (other)	None Detected
CI0010/SSC102-011 080403272-0019		Gray Non-Fibrous Heterogeneous	Crushed		40% Quartz 60% Non-fibrous (other)	None Detected
CI0010/SSC102-012 080403272-0020		Gray Non-Fibrous Heterogeneous	Crushed		30% Quartz 70% Non-fibrous (other)	None Detected
CI0010/SSC102-013 080403272-0021		Gray Fibrous Heterogeneous	Teased	20% Cellulose	20% Non-fibrous (other)	60% Chrysotile

Analyst(s)

Jane Zhang (48)

J Zhang



or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client.

Analysis performed by EMSL Ann Arbor (NVLAP #101045-4)

**EMSL Analytical, Inc.**

212 South Wagner Road, Ann Arbor, MI 48103

Phone: (734) 668-6810 Fax: (734) 668-8532 Email: [annarborlab@emsl.com](mailto:annarborlab@emsl.com)

Attn: **Steve Cretsinger**  
**Nova Environmental, Inc**  
**5340 Plymouth Rd**  
**Suite 210**  
**Ann Arbor, MI 48105**

Customer ID: NOVA53  
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 EMSL Order: 080403272

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 Project: **CI0010/SSC102, Warren Public Schools, St. Sylvester's  
 Church Convent**

EMSL Proj:  
 Analysis Date: 8/23/2004  
 Report Date: 8/23/2004

### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
CI0010/SSC102-014A 080403272-0022		Brown Non-Fibrous Heterogeneous	Crushed	2% Cellulose	98% Non-fibrous (other)	None Detected
CI0010/SSC102-014B 080403272-0023		Beige Non-Fibrous Heterogeneous	Crushed	2% Cellulose	98% Non-fibrous (other)	None Detected
CI0010/SSC102-015A 080403272-0024		Brown Non-Fibrous Heterogeneous	Crushed	2% Cellulose	98% Non-fibrous (other)	None Detected
CI0010/SSC102-015B 080403272-0025		Tan Non-Fibrous Heterogeneous	Crushed	3% Cellulose	97% Non-fibrous (other)	None Detected
CI0010/SSC102-016A 080403272-0026		Tan Non-Fibrous Heterogeneous	Crushed	2% Cellulose	95% Non-fibrous (other)	3% Chrysotile
CI0010/SSC102-016B 080403272-0027		Black Non-Fibrous Heterogeneous	Crushed	3% Cellulose	97% Non-fibrous (other)	None Detected
CI0010/SSC102-017A-A 080403272-0028	Vinyl Linoleum	Tan Non-Fibrous Heterogeneous	Crushed		25% Non-fibrous (other) 75% Ca Carbonate	None Detected

Analyst(s)

Jane Zhang (48)

or other approved signatory

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Analysis performed by EMSL Ann Arbor (NVLAP #1010484)



## EMSL Analytical, Inc.

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Attn: **Steve Cretsinger**  
**Nova Environmental, Inc**  
**5340 Plymouth Rd**  
**Suite 210**  
**Ann Arbor, MI 48105**

Customer ID: NOVA53  
 Customer PO:  
 Received: 08/23/04 9:00 AM  
 EMSL Order: 080403272

Fax: (734) 930-2969 Phone: (734) 930-0995  
 Project: C10010/SSC102, Warren Public Schools, St. Sylvester's  
 Church Convent

EMSL Proj:  
 Analysis Date: 8/23/2004  
 Report Date: 8/23/2004

### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
C10010/SSC102-017A-B 080403272-0043	Backing	Gray Fibrous Heterogeneous	Teased	20% Cellulose	20% Non-fibrous (other)	60% Chrysotile
C10010/SSC102-017B 080403272-0029		Tan Non-Fibrous Heterogeneous	Crushed	2% Glass	98% Non-fibrous (other)	None Detected
C10010/SSC102-018A-A 080403272-0030	Vinyl Linoleum	Tan Non-Fibrous Heterogeneous	Crushed		25% Non-fibrous (other) 75% Ca Carbonate	None Detected
C10010/SSC102-018A-B 080403272-0044	Backing	Gray Fibrous Heterogeneous	Teased	30% Cellulose	20% Non-fibrous (other)	50% Chrysotile
C10010/SSC102-018B 080403272-0031						Not Submitted
C10010/SSC102-019A 080403272-0032		Beige Non-Fibrous Heterogeneous	Crushed		35% Non-fibrous (other) 65% Ca Carbonate	None Detected
C10010/SSC102-019B 080403272-0033		Yellow Non-Fibrous Heterogeneous	Crushed	2% Cellulose	98% Non-fibrous (other)	None Detected

Analyst(s)

Jane Zhang (48)

or other approved signatory

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Analysis performed by EMSL Ann Arbor (NVLAP #101048-4)

EMSL

9M

**EMSL Analytical, Inc.**

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**Ann Arbor, MI 48105**

Customer ID: NOVA53  
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 Received: 08/23/04 9:00 AM  
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Fax: (734) 930-2969 Phone: (734) 930-0995  
 Project: **CI0010/SSC102, Warren Public Schools, St. Sylvester's  
 Church Convent**

EMSL Proj:  
 Analysis Date: 8/23/2004  
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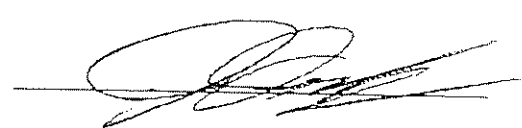
### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
CI0010/SSC102-020A 080403272-0034		Beige Non-Fibrous Heterogeneous	Crushed	2% Cellulose	98% Non-fibrous (other)	None Detected
CI0010/SSC102-020B 080403272-0035		Brown Non-Fibrous Heterogeneous	Crushed	2% Glass	96% Non-fibrous (other)	None Detected
CI0010/SSC102-021 080403272-0036		Pink Non-Fibrous Heterogeneous	Crushed	2% Glass 2% Fibrous (other)	96% Non-fibrous (other)	None Detected
CI0010/SSC102-022-A 080403272-0037	Black Layer	Black/Brown Fibrous Heterogeneous	Teased Ashed	60% Cellulose	40% Non-fibrous (other)	None Detected
CI0010/SSC102-022-B 080403272-0045	Gray Layer	Yellow Fibrous Heterogeneous	Teased	96% Glass	4% Non-fibrous (other)	None Detected
CI0010/SSC102-023-A 080403272-0038	Netting	Beige Fibrous Heterogeneous	Teased	90% Cellulose	10% Non-fibrous (other)	None Detected
CI0010/SSC102-023-B 080403272-0046	Gray Layer	Gray Fibrous Heterogeneous	Teased	40% Glass	60% Non-fibrous (other)	None Detected

Analyst(s)

*J Zhang*

Jane Zhang (48)

  
 or other approved signatory

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Analysis performed by EMSL Ann Arbor (NVLAP #101048-4)

EMSL

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 Customer PO:  
 Received: 08/23/04 9:00 AM  
 EMSL Order: 080403272

Fax: (734) 930-2869 Phone: (734) 930-0985  
 Project: C10010/SSC102, Warren Public Schools, St. Sylvester's  
 Church Convent

EMSL Proj:  
 Analysis Date: 8/23/2004  
 Report Date: 8/23/2004

### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
C10010/SSC102-024-A 080403272-0036	Netting	Beige Fibrous Heterogeneous	Teased	80% Cellulose	20% Non-fibrous (other)	None Detected
C10010/SSC102-024-B 080403272-0047	Gray Layer	Gray Fibrous Heterogeneous	Teased	35% Glass	65% Non-fibrous (other)	None Detected
C10010/SSC102-025-A 080403272-0040	Netting	Gray Fibrous Heterogeneous	Teased	80% Cellulose	20% Non-fibrous (other)	None Detected
C10010/SSC102-025-B 080403272-0048	Gray Layer	Gray Non-Fibrous Heterogeneous	Teased	40% Glass	60% Non-fibrous (other)	None Detected
C10010/SSC102-026 080403272-0041		Beige Non-Fibrous Heterogeneous	Crushed		100% Non-fibrous (other)	None Detected
C10010/SSC102-027 080403272-0042		Gray Non-Fibrous Heterogeneous	Crushed		35% Quartz 65% Non-fibrous (other)	None Detected

Analyst(s)

J Zhang

Jane Zhang (48)

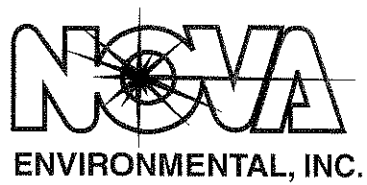


or other approved signatory

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Analysis performed by EMSL Ann Arbor (NYLAP #101046-4)





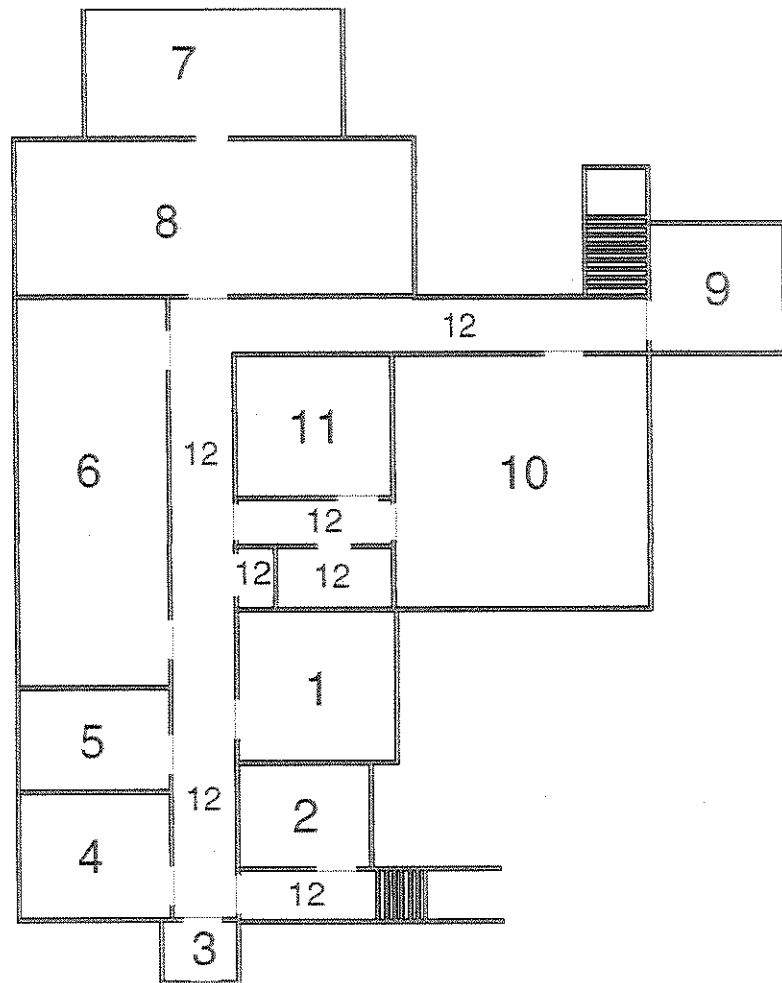
**Warren Consolidated Schools  
St. Sylvester Convent**

**Section IV  
Facility Information/Diagrams**

This section includes a map of St. Sylvester Convent representing the Functional Space Number associated with the inspection documentation. Specifically, this information contains the following:

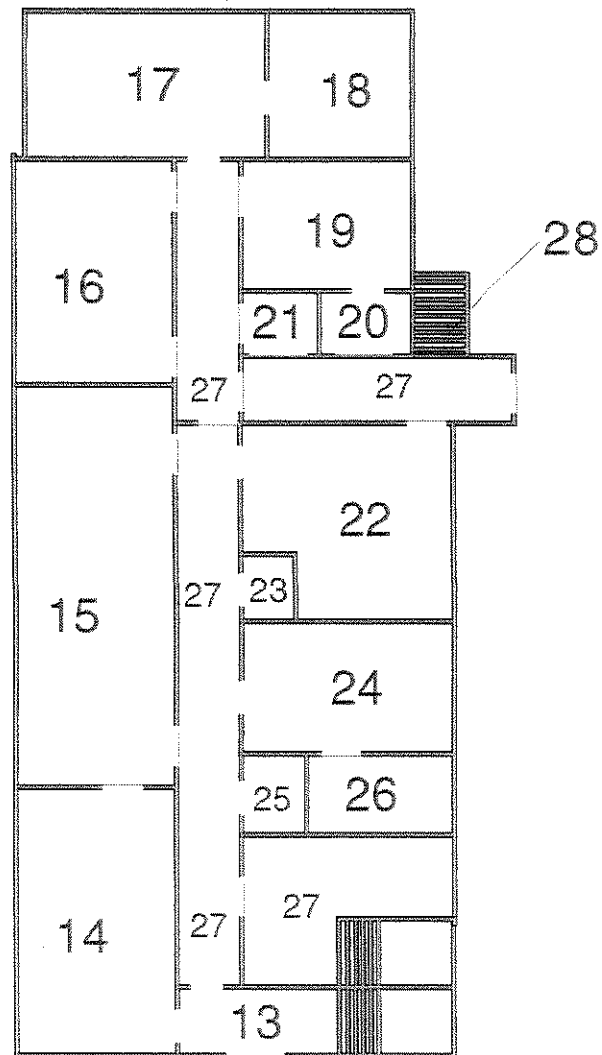
- Diagram of St. Sylvester Convent
- Homogenous Area Listing

# St Sylvester Convent Basement



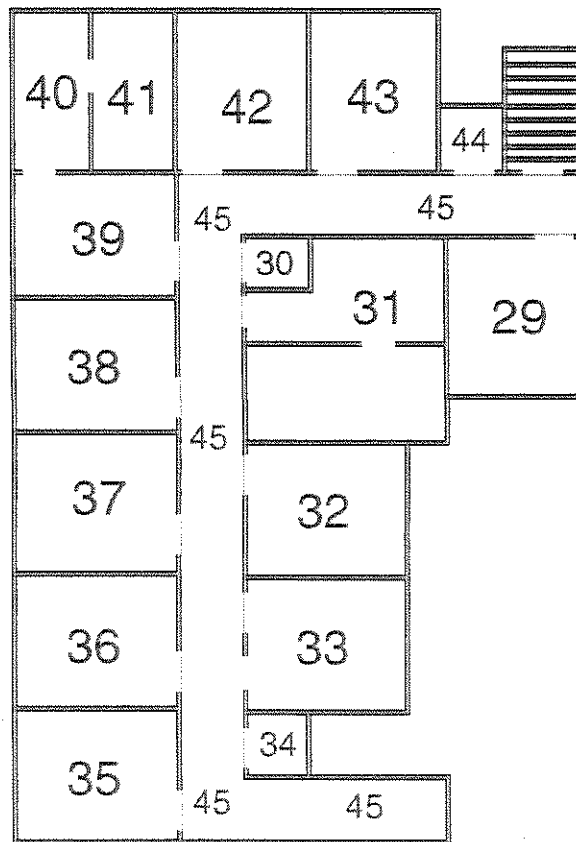
LIVING AREA  
2629 sq ft

# St. Sylvester Convent 1st Floor



LIVING AREA  
2898 sq ft

# St. Sylvester Convent 2nd floor



LIVING AREA  
2115 sq ft

**Warren Consolidated Schools  
St. Sylvester Convent  
Homogenous Areas**

<b>Material Description</b>	<b>Material Description</b>
9"x 9" FT Lt. Brown w/ Drk Brown Streaks	2' x 4' CP Dots and Gouges
Mastic of 9"x 9" Lt. Brown FT w/ Drk Brown Streaks	Mastic of 9"x 9" Dark Brown w/ Dark Brown Streaks
9"x 9" FT Dark Brown w/ Dark Brown Streaks	Mastic of 9" x 9" FT White w/ Black Steaks
9"x 9" FT White w/ Black Streaks	4" Black covebase
Light Heat Shield	Mastic of 4" Black covebase
9"x 9" FT Brown w/ Dark Brown Specks	Cinderblock
Marble Linoleum Lt. colored w/ Blue Dots	Mortar of Cinderblock
Mastic of Marble Linoleum Lt. colored w/ Blue Dots	Concrete Floor
Gold Marble Vinyl Sheeting	Stair tread Brown
Mastic of Gold Marble Vinyl Sheeting	Mastic of Stair tread Brown
Fire Door	Mastic of 9"x 9" FT Brown w/ Dark Brown Specks
Frame - Tagged	12"x 12" FT White w/ colored specks
Smooth Plaster (Finish coat)	Mastic of 12"x 12" FT White w/ colored specks
Smooth Plaster (Brown coat)	4" Tan covebase
1' x 1' CP Dots and Gouges	Mastic of 4" Tan covebase
Glue Pods of 1' x 1' CP Dots and Gouges	6" Brown covebase
Swirled Plaster Ceiling ( Finish coat)	Mastic of 6" Brown covebase
Swirled Plaster Ceiling ( Brown coat)	Pink sink undercoat
Fiberglass Pipe Insulation	Brick
Mud Fittings	Brick Mortar
4" Brown covebase	
Mastic of 4" Brown covebase	

**\* Bolded Homogenous Areas denotes Positive or Assumed Materials\***

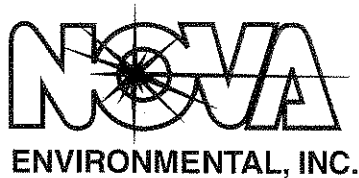


**Warren Consolidated Schools  
St. Sylvester Convent**

**Section V  
Qualifications/Certifications & General Disclaimer Statement**

This section provides the qualifications/certifications of the Nova Environmental, Inc. Accredited Inspectors and the Laboratory used for sample analysis. Also located within this section is a general disclaimer statement on the inspection conducted. The following forms are located within this section:

Bulk Sampling Information form  
Laboratory Information form  
Copy of Inspectors' Michigan Accreditation Cards  
General Disclaimer Statement



## BULK SAMPLING INFORMATION

This form provides information regarding the collection of bulk samples, in accordance with 40 CFR, part 763.85(b)(vii)(B).

1. **Date(s) of Bulk Sampling:**

August 20, 2004

2. **Name of Accredited Inspector(s) who collected Bulk Sample(s):**

Steven K. Cretsinger

3. **Signature of Accredited Inspector(s) who collected Bulk Sample(s):**

A handwritten signature in cursive script, appearing to read "Steven K. Cretsinger", is written over a horizontal line.

4. **State of Accreditation of Inspector(s) who collected Bulk Sample(s):**

Michigan

5. **Accreditation Number of Accredited Inspector(s) who collected Bulk Sample(s):**

A15496

**Note:** Description of the manner used to determine sample locations:

All Samples are collected in accordance with 40 CFR, Part 763.86 and the EPA's Asbestos in Buildings: Simplified Sampling Scheme for Friable Surfacing Materials.

Asbestos Contractor/Supervisor

Steven K. Cretsinger  
390 West Caneel  
Tecumseh, MI 49286



Accreditation Number: A15496  
Expiration Date: 12/14/2004

DOB: 05/01/1975

This individual has satisfactorily met or exceeded the requirements of Section 209 of the Toxic Substances Control Act to be accredited in the above discipline.

Asbestos Inspector

Steven K. Cretsinger  
390 West Caneel  
Tecumseh, MI 49286



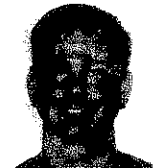
Accreditation Number: A15496  
Expiration Date: 12/14/2004

DOB: 05/01/1975

This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1988, as amended, to be accredited as an Asbestos Inspector.

Asbestos Management Planner

Steven K. Cretsinger  
390 West Caneel  
Tecumseh, MI 49286



Accreditation Number: A15496  
Expiration Date: 07/14/2005

DOB: 05/01/1975

This individual has satisfactorily met or exceeded the requirements of Section 209 of the Toxic Substances Control Act to be accredited in the above discipline.





## LABORATORY INFORMATION

1. **Name of Laboratory:**

EMSL

2. **Address of Laboratory:**

212 South Wagner Road, Ann Arbor, MI 48103

3. **Name of Analyst:**

Jane Zhang

4. **Signature of Analyst:**

See Attached Laboratory Results Sheet

5. **Date(s) of Analysis:**

August 23, 2004

6. **National Voluntary Laboratory Accreditation Program (NVLAP) Number:**

101048-4

7. **Applicable Requirements Statement:**

Samples are analyzed for asbestos by laboratories accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), in accordance with 40 CFR, Part 763.87(a). This program is provided under the auspices of the United States Department of Commerce National Institute of Standards and Technology. Question #6 provides the NVLAP Accreditation Number for the laboratory, which performed the asbestos bulk analysis on the samples collected.

**Nova Environmental, Inc.**  
**General Disclaimer Statement**

***REGULATIONS and STANDARDS***

The inspection was conducted in accordance with applicable sections of the United States Environmental Protection Agency's (EPA's) Asbestos Hazard Emergency Response Act (AHERA) and the United States Occupational Safety and Health Administration's (OSHA) asbestos regulation 1926.1101.

The AHERA regulation provides stringent standards and guidelines for the sampling, identification and management of asbestos-containing materials. Originally promulgated to assist local education agencies with the identification and management of asbestos-containing materials in school buildings, certain aspects of the regulation's procedures were extended in 1994 through the EPA's ASHARA (Asbestos School Hazard Amendments and Reauthorization Act). The ASHARA regulation adopted the sections of the AHERA regulation covering the inspection and sampling of asbestos-containing materials. The ASHARA regulation covers these activities in all government, commercial and industrial facilities. Nova Environmental, Inc. followed applicable parts of sections 763.85, 763.86 and 763.87, which cover inspections, sampling and analysis for purposes of this inspection. In addition, all applicable provisions of the ASHARA regulation were followed.

The OSHA regulation states that a building owner is required to identify all "Presumed Asbestos-Containing Material" ("PACM" - which is all thermal system insulation and sprayed-on or trowelled-on ceiling material constructed before 1980) in order to provide building employees, contractors and other parties, which may come in contact with the materials, information on asbestos-containing materials.

***ASBESTOS INSPECTION TERMINOLOGY***

For purposes of the Asbestos Inspection, Nova Environmental, Inc. completed all aspects of the inspection in accordance with EPA and OSHA regulations. AHERA, ASHARA, the EPA's "Purple" and "Green" books and the OSHA regulation outline procedures for identifying, sampling, analyzing and assessing potential asbestos-containing materials.

All work was completed by experienced inspectors properly trained in AHERA's Inspector courses and who maintain accreditations through the State of Michigan's Department of Labor and Economic Growth. All material analysis ("bulk sample analysis") was conducted by an independent third party laboratory - The Electron Microscopy Service Laboratory of Michigan (EMSL of Michigan - Ann Arbor, Michigan). EMSL is an accredited laboratory through the EPA's NVLAP program.

***SAMPLING STRATEGIES***

Nova Environmental, Inc. sampled all commonly sampled materials in accordance with AHERA (763.86 "Sampling"). For each homogeneous area identified, Nova Environmental, Inc. collected at least one sample of the material to determine if the material contained asbestos, unless identified as fiberglass, foam insulation by an accredited Asbestos Inspector.

***SAMPLING EXCEPTIONS***

Nova utilized industry standards in determining samples collected. Destructive sampling, however was not conducted. While every effort has been made to identify all materials with in the facility, it is possible hidden (i.e. above a plaster ceiling, inside a wall) materials were missed. Should any material be encountered during maintenance/renovation activity that is not identified with in the inspection report, samples should be collected prior to disturbing the material. It should also be noted that these may be materials be identified with in the facility where sample(s) were analyzed less than 1%. While considered non-asbestos pursuant to applicable regulations, Nova Environmental, Inc. recommends that additional samples be collected and possibly more sophisticated analysis be utilized should the material be potentially impacted.

***ASSUMED MATERIALS***

Fire doors and frames require sampling techniques that are extremely destructive and leave very visible damage; thus, Nova Environmental, Inc. assumed all tagged fire rated doors and frames to be asbestos containing. No roofing materials have been sampled yet and should be treated as asbestos containing. Sampling can be attempted when a definitive scope of work is complete that includes direct impact of these materials.

SECTION 01010 - SUMMARY OF WORK

PART I - GENERAL

1.01 RELATED DOCUMENTS:

- A. Attention is directed to Division 0, Bidding and Contract Requirements, and to Division 1, General Requirements, which are hereby made a part of this section.

1.02 PROJECT:

The project consists, but is not limited to, the following items:

- A. All labor, material and equipment necessary to complete the following:
  1. Total removal of the buildings and site improvements and landscaping items indicated at the addresses indicated: Convent and site at 11131 Gerald, Warren, MI 48093 and the house and site at 3235 12 Mile Road, Warren, MI 48092.
  2. Site restoration as indicated at each site as indicated in the bid documents.
  3. Include permits as indicated and necessary to complete the work.
  4. Contractor is responsible for the soil erosion and removal of the silt fence upon completion and acceptance by the School District and Architect/Engineer.
  5. Contractor is responsible for any and all disconnection fees and coordination of all utilities shut offs.
  6. Power and water cannot be cut off until abatement at each site is complete. Owner is awarding abatement as a separate contract.
  7. If additional asbestos is discovered (after abatement by Owner's separate contract) then Contractor shall halt operations accordingly and notify Owner. Owner will arrange for additional abatement. There will be no extra costs allowed due to the time required by the Owner for abatement.
  8. Provide construction fence, signage and gates as indicated on documents.
  9. Provide temporary water and power for your work.
  10. Contractor responsible for cleaning of street on a daily basis.
  11. Protect all existing trees to remain.
  12. Provide demolition plan and site logistic plan prior to mobilization and per the requirements of MIOSH.
  13. Provide all above ground demolition, subgrade demolition, utility demolition as indicated and site restoration.
  14. Grading, Contractor shall confirm that the proposed grades will not create a ponding water condition. (i.e. an unintended low spot less than 1%).

15. Contractor to maintain dust control at all times during demolition activities.
16. Include all fill as required by your work. All fill shall be imported and meet specification requirements. Do not use existing soils for backfill.
17. Contractor will be responsible to remove demolished material from site within a timely manner. You may not stockpile material for any length of time.
18. Include all topsoil, seeding, fertilizing and maintenance as indicated throughout entire site.
19. Provide as-builts of entire site by a Licensed Registered Engineer. This shall include locations of all utilities, utility depth, utility size/material, final grades though out and location/material of abandoned items (if any).
20. Contractor is responsible for clean up, removal and legal disposal of all debris as generated by this work, including dumpsters.
21. St. Sylvester Church and Mott HS will remain in operation during demolition. Operations and all demolition work shall not affect access or use of each site.

1.03 SCHEDULE:

- A. After award of contract the schedule will be finalized with the successful bidder and the Warren Consolidated Schools. Work shall be substantially complete by November 17, 2023.
- B. Asbestos may be present and if found will be abated by the Owner. There will be no extra costs allowed due to the time required by the Owner for abatement.

ALLOWANCE:

The undersigned acknowledges he/she has included the sum of fifty thousand dollars (\$50,000.00) to:

1. Handle any unknown underground utilities, storage tanks, etc.
2. Any unused allowance will be returned to the Owner at the end of the project.

PARTS 2 & 3 - PRODUCT AND EXECUTION

Not applicable

END OF SECTION 01010

SECTION 01041 - PROJECT COORDINATION

PART 1 - GENERAL

1.01 RELATED DOCUMENTS:

- A. Attention is directed to Division 0, Bidding and Contract Requirements, and to other Sections of Division 1, General Requirements, which are hereby made a part of this Section.

1.02 DESCRIPTION:

- A. Contractor shall provide the services of a full time Project Coordinator for the duration of the construction work.
  - 1. Employ someone with not less than five (5) years experience performing coordination work on projects of similar size and scope.
  - 2. Submit name and qualifications to Architect.
- B. Provide additional administrative and supervisory personnel as required for the performance of the work including coordination of the various subcontractors.
- C. Related Requirements Specified in Other Sections:
  - 1. Summary of Work: Section 01010.

1.03 PROJECT COORDINATOR'S DUTIES:

- A. Coordinate the work of the various subcontractors:
  - 1. For temporary utilities.
  - 2. With the work of trades specified in Division 2.
- B. Coordinate the schedules of subcontractors.
  - 1. Verify timely deliveries of products for installation by other trades.
  - 2. Verify that labor and materials are adequate to maintain schedules.

C. Maintain conferences among subcontractors and other concerned parties, as necessary to:

1. Maintain coordination and schedules.
2. Resolve matters in dispute.

D. Participate in project meetings:

1. Report progress of work.
2. Recommend needed changes in schedule.

E. Temporary Utilities:

1. Coordinate installation, operation and maintenance, to verify compliance with project requirements and with Contract Documents.
2. Verify adequacy of service at required locations.

F. Shop Drawings, Product Data and Samples:

1. Prior to submittal, review for compliance with Contract Documents.
  - a. Check field dimensions and clearance dimensions.
  - b. Check relation to available space.
  - c. Review the effect of any changes on the work of other contracts or trades.
  - d. Check compatibility with equipment and work of other trades.

G. Coordination Drawings:

1. Prepare, as required to assure coordination of work or to resolve conflicts.
2. Submit for review and transmittal.
3. Reproduce and distribute approved copies to all concerned parties.

H. Observe required testing; maintain a record of tests:

1. Testing agency and name of inspector.
2. Subcontractor.
3. Manufacturer's representative present.
4. Date and time of testing.
5. Type of product or work.
6. Type of test and results.
7. Retesting required.

I. Verify that subcontractors maintain accurate record documents.

J. Substitutions and Changes:

1. Review proposals and requests.
  - a. Check for compliance with Contract Documents.
  - b. Verify compatibility with work and equipment of other trades.
2. Promptly report deficiencies or discrepancies to contractor.

K. Assemble documentation for handling of claims or disputes.

L. Inspection and Acceptance of Work:

1. Prior to inspection, check that work is complete and ready for acceptance
2. Assist Inspector: Prepare list of items to be completed or corrected.
3. Should acceptance of work constitute the beginning of the specified guarantee period, prepare and transmit written notice to Contractor for the Owner.

M. Assemble record documents from subcontractors.

END OF SECTION 01041

SECTION 01090 - REFERENCE STANDARDS

PART 1 - GENERAL

1.01 SECTION INCLUDES:

- A. Quality assurance.
- B. Schedule of references.

1.02 QUALITY ASSURANCE:

- A. For products or workmanship specified by association, trade, or Federal Standards, comply with requirements of the standard, except when more rigid requirements are specified or are required by applicable codes.
- B. Conform to reference standard by date of issue current on date for receiving bids.
- C. Obtain copies of standards when required by Contract Documents.
- D. Maintain copy at job site during submittals, planning, and progress of the specific work, until Substantial Completion.
- E. Should specified reference standards conflict with Contract Documents, request clarification from Architect/Engineer before proceeding.
- F. The contractual relationship of the parties to the Contract shall not be altered from the Contract Documents by mention or inference otherwise in any reference document.

1.04 SCHEDULE OF REFERENCE:

- AA Aluminum Association  
900 19<sup>th</sup> Street, N.W. - Suite 300  
Washington, DC 20006
- AABC Associated Air Balance Council  
1518 K Street N.W.  
Washington, DC 20005
- AASHTO American Association of State Highway  
and Transportation Officials  
444 North Capitol Street, N.W. - Suite 249  
Washington, DC 20001



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ACI American Concrete Institute  
P.O. Box 9094  
Farmington Hills, MI 48333-9094

ADC Air Diffusion Council  
1901 N. Roselle Rd., Suite 800  
Schaumburg, IL 60195

AF&PA American Forest & Paper Association  
1111 19<sup>th</sup> Street, NW, Suite 800  
Washington, DC 20036

AGC Associated General Contractors of America  
2300 Wilson Blvd., Suite 400  
Arlington, VA 22201

AI Asphalt Institute  
2696 Research Park Drive  
Lexington, KY 40511-8480

AIA American Institute of Architects  
1735 New York Avenue, N.W.  
Washington, DC 20006-5292

AISC American Institute of Steel Construction  
One East Wacker Drive  
Suite 3100  
Chicago, IL 60601-2001

AISI American Iron and Steel Institute  
1140 Connecticut Ave - Suite 705  
Washington, DC 20036

AITC American Institute of Timber Construction  
7012 S. Revere Parkway - Suite 140  
Englewood, CO 80112

AMCA Air Movement and Control Association  
30 West University Drive  
Arlington Heights, IL 60004

ANSI American National Standards Institute  
25 West 43<sup>rd</sup> Street, Fourth Floor  
New York, NY 10036

APA American Plywood Association  
Box 11700  
Tacoma, WA 98411-0700

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VARIOUS STRUCTURES

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ARI Air Conditioning and Refrigeration Institute  
4100 North Fairfax Drive - Suite 200  
Arlington, VA 22203

ASHRAE American Society of Heating, Refrigeration and  
Air Conditioning Engineers  
1791 Tullie Circle, N.E.  
Atlanta, GA 30329

ASME American Society of Mechanical Engineers  
Three Park Avenue  
New York, NY 10016-5990

ASTM American Society for Testing and Materials  
100 Barr Harbor Drive  
West Conshohocken, PA 19428-2959

AWI Architectural Woodwork Institute  
46179 Westlake Drive, Suite 120  
Potomac Falls, VA 20165

AWPA American Wood-Preservers' Association  
P.O. Box 5690  
Grandbury, TX 76049

AWS American Welding Society  
550 N.W. LeJeune Road  
Miami, FL 33126

AWWA American Water Works Association  
6666 West Quincy Avenue  
Denver, CO 80235

BIA Brick Institute of America  
1350 Centennial Park Drive, Suite 301  
Reston, VA 20191

CDA Copper Development Association  
260 Madison Avenue - 16th Floor  
New York, NY 10016

CLFMI Chain Link Fence Manufacturers Institute  
10015 Old Columbia Road, Suite B-215  
Columbia, MD 21046

CRSI Concrete Reinforcing Steel Institute  
933 Plum Grove Road  
Schaumburg, IL 60173-4758

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CSSB Cedar Shake and Shingle Bureau  
P.O. Box 1178  
Sumas, WA 98295-1178

DHI Door and Hardware Institute  
14150 Newbrook Drive, Suite 200  
Chantilly, VA 20151

EJCDC Engineers' Joint Contract Documents Committee  
American Council of Engineering Companies  
1015 15th Street, N.W., 8<sup>th</sup> Floor  
Washington, DC 20005

EJMA Expansion Joint Manufacturers Association  
25 North Broadway  
Tarrytown, NY 10591

FGMA Flat Glass Marketing Association  
3310 Harrison  
White Lakes Professional Building  
Topeka, KS 66611

FM Factory Mutual System  
Standards Laboratories Department  
1151 Boston-Providence Turnpike  
Norwood, MA 02062

FS Federal Specification  
General Services Administration  
Specifications and Consumer Information  
Distribution Section (WFSIS)  
1800 F Street, NW  
Washington, DC 20405

GA Gypsum Association  
810 First Street N.W. #510  
Washington, DC 20002-4268

ICC International Code Council  
5203 Leesburg Pike, Suite 600  
Falls Church, VA 22041

IEEE Institute of Electrical and Electronics Engineers  
345 East 47th Street  
New York, NY 10017

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IMIAC International Masonry Industry All-Weather Council  
International Masonry Institute  
815 15th Street, N.W.  
Washington, DC 20005

MBMA Metal Building Manufacturer's Association  
1300 Sumner Avenue  
Cleveland, OH 44115-2351

MFMA Maple Flooring Manufacturers Association  
60 Revere Drive  
Northbrook, IL 60062

MIL Military Specification  
Naval Publications and Forms Center  
700 Robbins Avenue, Building 4, Section D  
Philadelphia, PA 19111-5093

ML/SFA Metal Lath/Steel Framing Association  
Division of National Association of Architectural Metal  
Manufacturers (NAAMM MLIFSA)  
600 South Federal Street, Suite 400  
Chicago, IL 60605

NAAMM National Association of Architectural Metal  
Manufacturers  
800 Roosevelt Road, Building C, Suite 312  
Glen Ellyn, IL 60137

NCMA National Concrete Masonry Association  
2302 Horse Pen Road  
Herndon, VA 22071-3499

NEBB National Environmental Balancing Bureau  
8575 Grovement Circle  
Gaithersburg, MD 20877

NEMA National Electrical Manufacturers' Association  
1300 North 17<sup>th</sup> Street, Suite 1752  
Rosslyn, VA 22209

NFPA National Fire Protection Association  
#1 Battery March Park  
Quincy, MA 02269-9101

NSWMA National Solid Wastes Management Association  
4301 Connecticut Avenue, N.W., Suite 300  
Washington, DC 20008-2304

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NTMA National Terrazzo and Mosaic Association  
201 North Maple, Suite 208  
Purcellville, VA 20132

PCA Portland Cement Association  
5420 Old Orchard Road  
Skokie, IL 60077

PCI Precast Prestressed Concrete Institute  
175 W. Jackson Blvd.-Suite 1859  
Chicago, IL 60604-9773

PS Product Standard  
U.S. Department of Commerce  
1401 Constitution Avenue, N.W.  
Washington, DC 20230

RIS Redwood Inspection Service  
Division of California Redwood Association)  
405 Enfrente Drive  
Novato, CA 94949

SDI Steel Deck Institute  
P.O. Box 25  
Fox River Grove, IL 60021

SDI Steel Door Institute  
c/o Wherry Associates  
30200 Detroit Road  
Cleveland, OH 44145-1967

SIGMA Sealed Insulating Glass Manufacturers Association  
401 N. Michigan Avenue  
Chicago, IL 60611

SJI Steel Joist Institute  
3127 10<sup>th</sup> Avenue North  
Myrtle Beach, SC 29577-6760

SMACNA Sheet Metal and Air Conditioning Contractors'  
National Association  
4201 Lafayette Center Drive  
Chantilly, VA 20151-1209

SSPC Society for Protective Coatings  
40 24<sup>th</sup> Street, 6<sup>th</sup> Floor  
Pittsburgh, PA 15222-4656

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TCNA        Tile Council of North America, Inc.  
             100 Clemson Research Blvd.  
             Anderson, SC 29625

TPI         Turfgrass Producers International  
             2 East Main Street  
             East Dundee, IL 60118

UL          Underwriters' Laboratories, Inc.  
             333 Pfingston Road  
             Northbrook, IL 60062-2096

WCLIB      West Coast Lumber Inspection Bureau  
             6980 S.W. Varns Road  
             Tigard, OR 97223

WDMA      Window & Door Manufacturers Associations  
             1400 W. Touhy Avenue, Suite 470  
             Des Plaines, IL 60018

WWPA      Western Wood Products Association  
             522 SW Fifth Avenue, Suite 500  
             Portland, OR 97204-2122

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

Not Used

END OF SECTION 01090

SECTION 01200 - PROJECT MEETINGS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and General Provisions of the Contract, including General and Supplementary Conditions and other Division-1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section specifies administrative and procedural requirements for project meetings including but not limited to:
  - 1. Pre-Construction Conference.
  - 2. Pre-Installation Conferences.
  - 3. Coordination Meetings.
  - 4. Progress Meetings.
- B. Construction schedules are specified in Specification Section 01310.

1.3 PRE-CONSTRUCTION CONFERENCE

- A. Schedule a pre-construction conference and organizational meeting at the Project site or other convenient location no later than (14) calendar days after execution of the Agreement and prior to commencement of construction activities. Conduct the meeting to review responsibilities and personnel assignments.
- B. Attendees: The Owner, Architect and their consultants, the Contractor and its superintendent, major subcontractors, manufacturers, suppliers and other concerned parties shall each be represented at the conference by persons familiar with and authorized to conclude matters relating to the work.
- C. Agenda: Discuss items of significance that could affect progress including such topics as:
  - 1. Tentative construction schedule.
  - 2. Critical work sequencing.
  - 3. Designation of responsible personnel.
  - 4. Procedures for processing field decisions and Change Orders.
  - 5. Procedures for processing Applications for Payment.
  - 6. Distribution of Contract Documents.

7. Submittal of Shop Drawings, Product Data and Samples.
8. Preparation of record documents.
9. Use of the premises.
10. Office, Work and storage areas.
11. Equipment deliveries and priorities.
12. Safety procedures.
13. First aid.
14. Security.
15. Housekeeping.
16. Working hours.

1.4 PRE-INSTALLATION CONFERENCES

- A. Conduct a pre-installation conference at the site before each construction activity that requires coordination with other construction. The Installer and representatives of manufacturers and fabricators involved in or affected by the installation, and its coordination or integration with other materials and installations that have preceded or will follow, shall attend the meeting. Advise the Architect of scheduled meeting dates.

1. Review the progress of other construction activities and preparations for the particular activity under consideration at each pre-installation conference, including requirements for:
  - a. Contract Documents.
  - b. Options.
  - c. Related Change Orders.
  - d. Purchases
  - e. Deliveries.
  - f. Shop Drawings, Product Data and quality control Samples.
  - g. Possible conflicts.
  - h. Compatibility problems.
  - i. Time schedules.
  - j. Weather limitations.
  - k. Manufacturer's recommendations.
  - l. Compatibility of materials.
  - m. Acceptability of substrates.
  - n. Temporary facilities.
  - o. Space and access limitations.
  - p. Governing regulations.
  - q. Safety.
  - r. Inspection and testing requirements.
  - s. Required performance results.
  - t. Recording requirements.
  - u. Protection.



2. Record significant discussions and agreements and disagreements of each conference, along with the approved schedule. Distribute the record of the meeting to everyone concerned, promptly, including the Owner and Architect.
3. Do not proceed if the conference cannot be successfully concluded. Initiate whatever actions are necessary to resolve impediments to performance of Work and reconvene the conference at the earliest feasible date.

#### 1.5 COORDINATION MEETINGS

- A. Conduct Project coordination meetings at regularly scheduled times convenient for all parties involved. Project coordination meetings are in addition to specific meetings held for other purposes, such as regular progress meetings and special pre-installation meetings.
- B. Request representation at each meeting by every party currently involved in coordination or planning for the construction activities involved.
- C. Record meeting results and distribute copies to everyone in attendance and to others affected by decisions or actions resulting from each meeting.

#### 1.6 PROGRESS MEETINGS

- A. Conduct progress meetings at the Project site at regularly scheduled intervals. Notify the Owner and Architect of scheduled meeting dates. Coordinate dates of meetings with preparation of the payment request.
- B. Attendees: In addition to representatives of the Owner and Architect, each subcontractor, supplier or other entity concerned with current progress or involved in planning, coordination or performance of future activities shall be represented at these meetings by persons familiar with the Project and authorized to conclude matters relating to progress.
- C. Agenda: Review and correct or approve minutes of the previous progress meeting. Review other items of significance that could affect progress. Include topics for discussion as appropriate to the current status of the Project.

1. Contractor's Construction Schedule: Review progress since the last meeting. Determine where each activity is in relation to the Contractor's Construction Schedule, whether on time or ahead or behind schedule. Determine how construction behind schedule will be expedited; secure commitments from parties involved to do so. Discuss whether schedule revisions are required to ensure that current and subsequent activities will be completed within the Contract Time.
  2. Review the present and future needs of each entity present, including such items as:
    - a. Interface requirements.
    - b. Time.
    - c. Sequences.
    - d. Deliveries.
    - e. Access.
    - f. Site utilization.
    - g. Temporary facilities and services.
    - h. Hours of Work.
    - i. Hazards and risks.
    - j. Housekeeping.
    - k. Quality and Work standards.
    - l. Change Orders.
    - m. Documentation of information for payment requests.
- D. Reporting: No later than (3) work days after each progress meeting date, distribute copies of minutes of the meeting to each party present and to other parties who should have been present. Include a brief summary, in narrative form, of progress since the previous meeting and report.
1. Schedule Updating: Revise the construction schedule after each progress meeting where revisions to the schedule have been made or recognized. Issue the revised schedule concurrently with the report of each meeting.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 01200



SUBSTITUTION REQUEST (During the Bidding Phase)

Project: Substitution Request Number: From: To: Date: Re: A/E Project Number: Contract For:

Specification Title: Description: Section: Page: Article/Paragraph:

Proposed Substitution: Manufacturer: Address: Phone: Trade Name: Model No.:

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product. Same warranty will be furnished for proposed substitution as for specified product. Same maintenance service and source of replacement parts, as applicable, is available. Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule. Proposed substitution does not affect dimensions and functional clearances. Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Signed by: Firm: Address: Telephone:

A/E's REVIEW AND ACTION

- Substitution approved - Make submittals in accordance with Specification Section 01340. Substitution approved as noted - Make submittals in accordance with Specification Section 01340. Substitution rejected - Use specified materials. Substitution Request received too late - Use specified materials.

Signed by: Date:

Supporting Data Attached: Drawings Product Data Samples Tests Reports

**SUBSTITUTION  
REQUEST**  
(After the Bidding/Negotiating Phase)

Project: \_\_\_\_\_ Substitution Request Number: \_\_\_\_\_

\_\_\_\_\_ From: \_\_\_\_\_

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

\_\_\_\_\_ A/E Project Number: \_\_\_\_\_

Re: \_\_\_\_\_ Contract For: \_\_\_\_\_

Specification Title: \_\_\_\_\_ Description: \_\_\_\_\_

Section: \_\_\_\_\_ Page: \_\_\_\_\_ Article/Paragraph: \_\_\_\_\_

Proposed Substitution: \_\_\_\_\_

Manufacturer: \_\_\_\_\_ Phone: \_\_\_\_\_

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

Trade Name: \_\_\_\_\_ Model No.: \_\_\_\_\_

Installer: \_\_\_\_\_ Phone: \_\_\_\_\_

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

History:  New Product  1-4 years old  5-10 years old  More than 10 years old

Differences between proposed substitution and specified product: \_\_\_\_\_

\_\_\_\_\_

Point-by-point comparative data attached.

Reason for not providing specified item: \_\_\_\_\_

\_\_\_\_\_

Similar Installation:

Project: \_\_\_\_\_ Architect: \_\_\_\_\_

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

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

\_\_\_\_\_

Proposed Substitution affects other parts of work:  No  Yes; explain \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Savings to Owner for accepting substitution: \_\_\_\_\_ (\$\_\_\_\_\_).

Proposed substitution changes Contract Time:  No  Yes [Add] [Deduct] \_\_\_\_\_ days.

\_\_\_\_\_

Supporting Data Attached:  Drawings  Product Data  Samples  Tests

Reports  \_\_\_\_\_

**SUBSTITUTION  
REQUEST**  
(After the Bidding/Negotiating Phase)

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
  - Same warranty will be furnished for proposed substitution as for specified product.
  - Same maintenance service and source of replacement parts, as applicable, is available.
  - Proposed substitution will have no adverse effects on other trades and will not affect or delay progress schedule.
  - Cost data as stated above is complete. Claims for additional costs related to accepted substitution which may subsequently become apparent are to be waived.
  - Proposed substitution does not affect dimensions and functional clearances.
  - Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.
  - Coordination, installation, and changes in the Work as necessary for accepted substitution will be complete in all respects.
- 

Submitted by: \_\_\_\_\_

Signed by: \_\_\_\_\_

Firm: \_\_\_\_\_

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

\_\_\_\_\_

Telephone: \_\_\_\_\_

Attachments: \_\_\_\_\_

\_\_\_\_\_

---

A/E's Review Action

- Substitution approved – Make submittals in accordance with Specification Section 01340.
- Substitution approved as noted – Make submittals in accordance with Specification Section 01340.
- Substitution rejected – Use specified materials.
- Substitution Request received too late – Use specified materials.

Signed by: \_\_\_\_\_ Date: \_\_\_\_\_

---

Additional Comments:    Contractor    Subcontractor    Supplier    Manufacturer  
                                   A/E                    Other

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SECTION 01310 - CONSTRUCTION SCHEDULES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS:

- A. Attention is directed to Division 0, Bidding and Contract Requirements, and to other Sections of Division 1, General Requirements, which are hereby made a part of this Section.

1.02 DESCRIPTION OF REQUIREMENTS:

- A. General: This section specifies the particular administrative and procedural requirements for progress time scheduling and progress reporting for the performance of the work, as indicated in the General Conditions and elsewhere in the Contract Documents. Refer also to the General Conditions and to the "Contractor" for definition and specific dates of the Contract Time.
- B. Scheduling Responsibility: Submission of Contractor's progress schedule to the Owner or Architect shall not relieve the Contractor of his total responsibility for the requirements of the Contract Documents, including adverse effects such as delays resulting from ill-timed work; refer to General Conditions.

1.03 FORM OF SCHEDULES:

- A. Contractor shall prepare a "Plan of Operations and Progress Schedule" which shall show concisely the manner in which different phases of the work are to be started, methods and speed for the inter-relationship of the work under the various contracts, times upon which different phases of the work are to be started, methods and speed for progressing the different phases and dates upon which the certain subcontractors are dependent upon that under other subcontracts.
- B. The plan of operations and progress schedule shall be "weighed" to schedule each trade in proportion to the entire project, both physically and financially.
- C. In preparing the above plan of operations and progress schedule, the Contractor shall assure that the methods, dates and other pertinent matters are acceptable to the Architect and, when completed, he shall submit to and obtain approval from the Architect and Owner.

- D. After approval of the above plan of operations and progress schedule, the Contractor shall be responsible for seeing that it is adhered to and for ascertaining that proper coordination is maintained between work of all Contracts.
- 1.04 PROGRESS REVISIONS:
- A. Indicate progress of each activity to date of submission.
- B. Show changes occurring since previous submission of schedule:
1. Major changes in scope.
  2. Activities modified since previous submission.
  3. Revised projections of progress and completion.
  4. Other identifiable changes.
- C. Provide a narrative report as needed to define:
1. Problem areas, anticipated delays, and the impact on the schedule.
  2. Corrective action recommended and its effect.
  3. The effect of changes on schedules of other contractors.
- 1.05 SUBMISSIONS:
- A. Submit initial schedules within (14) calendar days after award of Contract.
1. Architect and Owner will review schedules and return review copy within (10) work days after receipt.
  2. Resubmit within (10) work days after return of review copy.
- B. Submit a revised and updated progress schedule and narratives with each application for payment, but not less than once a month until project is complete.
- 1.06 DISTRIBUTION:
- A. Distribute copies of the reviewed schedules and narratives to:

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1. Job site file.
  2. Subcontractors.
  3. Other concerned parties.
- B. Instruct recipients to report promptly to the Contractor, in writing, any problems anticipated by the projections shown in the schedules.
- 1.07 DAILY REPORTS:
- A. Contractor shall prepare a daily report, recording the following information concerning events at the site and submit duplicate copies to the Architect and Owner at regular intervals not exceeding weekly intervals.
1. List of subcontractors at the site.
  2. List of separate contractors at the site.
  3. Count of personnel at the site.
  4. High/low temperatures, general weather conditions.
  5. Accidents (refer to accident reports).
  6. Meetings and significant decisions.
  7. Unusual events.
  8. Stoppages, delays, shortages, losses.
  9. Emergency procedures, field orders.
  10. Orders/requests by governing authorities.
  11. Change orders received, implemented.

PART 2 and 3 - PRODUCTS AND EXECUTION - Not Applicable

END OF SECTION 01310



SECTION 01340 - SHOP DRAWINGS, PRODUCT DATA AND SAMPLES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS:

- A. Attention is directed to Division 0, Bidding and Contract Requirements, and to other Sections of Division 1, General Requirements, which are hereby made a part of this Section.

1.02 DESCRIPTION:

- A. Submit shop drawings, product data and samples as required by the Contract Documents. Individual submittal requirements are specified in applicable sections for each unit of work. Receive, check and coordinate all submittals of contractors as provided herein.
- B. Definitions:
  - 1. Shop Drawings are drawings, diagrams, schedules and other data specifically prepared for the Work by the Contractor or any subcontractor, manufacturer, supplier or distributor to illustrate some portion of the Work.
  - 2. Product Data are illustrations, standard schedules, performance charts, instructions, brochures, diagrams and other information furnished by the Contractor to illustrate a material, product or system for some portion of the Work.
  - 3. Samples are physical examples which illustrate materials, equipment or workmanship and establish standards by which the work will be judged.

1.03 SUBMITTAL REQUIREMENTS:

- A. Coordinate preparation and processing of submittals with performance of the work so that work will not be delayed by submittals. Coordinate and sequence different categories of submittals for the same work, and for interfacing units of work, so that one will not be delayed for coordination with another. No extension of time will be allowed because of failure to properly coordinate and sequence submittals.

- B. Submit at minimum one pdf version of each shop drawing, including fabrication, erection, layout and setting drawings and such other drawings as required under various sections of the Specifications, until final acceptance is obtained. Prepare drawings legible, drawing plans, elevations, sections and details in scales required and printable at 100% scale on sheets. Sheets not larger than 30" x 42" nor smaller than 8-1/2" x 11". Photo reproductions of contract documents are not an acceptable submittal. Submit copies of manufacturer's descriptive data including catalog sheets for materials, equipment and fixtures, showing dimensions, performance characteristics and capacities, wiring diagrams and controls, schedules, and other pertinent information as required. Where materials describe more than one product or model, clearly identify which is to be furnished.
- C. Shop drawings, product data and samples shall be dated including General Contractor and Sub-Contractor dates of submittal and approval, and marked to show the names of the Project, Architect, General Contractor, origination (sub) Contractor, manufacturer or supplier, and separate detailer if pertinent. Shop drawings shall completely identify Specification section and locations at which materials or equipment are to be installed. Reproductions of Contract Drawings are acceptable as Shop Drawings only when specifically authorized in writing by the Architect.
- D. Submission of shop drawings, product data and samples shall be accompanied by a copy of a transmittal letter containing Project name, General Contractor's name, Sub-Contractor's name, number of drawings, and samples, titles and other pertinent data. Transmittal shall bear signature of the General Contractor as evidence he checked same and found them in conformance with the Contract Documents.
- E. The General Contractor shall review, approve and submit, with reasonable promptness and in such sequence as to cause no delay in the Work or in the work of the Owner or any separate contractor, all Shop Drawings, Product Data and Samples required by the Contract Documents.
- F. By approving and submitting Shop Drawings, Product Data and Samples, the General Contractor and Sub-Contractor represents that he has determined and verified all materials, field measurements, and field construction criteria related thereto, or will do so, and that he has checked and coordinated the information contained within such submittals with the requirements of the Work and of the Contract Documents.

- G. The General Contractor shall not be relieved of responsibility for the deviation from the requirements of the Contract Documents by the Architect's acceptance of Shop Drawings, Product Data or Samples under Paragraph 13.12 of the 2017 edition of AIA A201 General Conditions, unless the Contractor has specifically informed the Architect in writing of such deviation at the time of sub-deviation. The Contractor shall not be relieved from responsibility for errors or omissions in the Shop Drawings, Product Data or Samples by the Architect's acceptance thereof.
- H. The Contractor shall direct specific attention, in writing or on resubmitted Shop Drawings, Product Data or Samples, to revisions other than those requested by the Architect on previous submittals.
- I. No portion of the Work requiring submission of a Shop Drawing, Product Data or Sample shall be commenced until the submittal has been accepted by the General Contractor and the Architect as provided in Paragraph 13.12 of the 2017 edition of the AIA A201 General Conditions. All such portions of the Work shall be in accordance with approved submittals.
- J. The General Contractor and the Architect will review Shop Drawings, Product Data and Samples as provided in Paragraph 13.12 of the 2017 edition of AIA A201 General Conditions. He will mark each such submittal as follows:
1. Accepted - Where no comment made.
  2. Accepted as Noted - Where comments indicated on submittal qualifying, modifying, or otherwise changing it; however, submittal can be used for ordering, fabrication and erection at contractor's own risk until revised submittals have been made, reviewed and stamped acceptable.
  3. Not Accepted - Submittal not in conformance; revise and resubmit. Acceptance does not authorize any changes in the Contract Documents unless specifically stated in a separate letter or change order.
- K. The General Contractor is responsible for obtaining and distributing required prints of shop drawings to his subcontractors and material suppliers; after as well as before final approval. Prints of reviewed shop drawings shall be made from transparencies which carry the General Contractor and the Architect's appropriate stamps.

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- L. Obtain copies of all shop drawings, product data and samples submitted to date and accepted from other contractors.

PARTS 2 and 3 - PRODUCT AND EXECUTION

Not applicable.

END OF SECTION 01340

SECTION 01370 - SCHEDULE OF VALUES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS:

- A. Requirements, and to other Sections of Division 1, General Requirements, which are hereby made a part of this Section.

1.02 DESCRIPTION OF WORK:

- A. Submit to the Architect a Schedule of Values allocated to the various portions of the work separated by site, within ten (10) days after award of contract.
- B. Upon request of the Architect, support the values with data which will substantiate their correctness.
- C. The Schedule of Values, unless objected to by the Architect or Owner, shall be used only as the basis for the Contractor's Applications for Payment.

1.03 FORM AND CONTENT OF SCHEDULE OF VALUES:

- A. Use AIA Forms G702 and G702A or forms provided by Owner.
- B. Schedule shall list the installed value of the component parts of the work in sufficient detail to serve as a basis for computing values for progress payments during construction.
- C. Follow the table of contents of Sections as the format for listing component items.
  - 1. Identify each line item with the number and title of the respective major section of the specifications.
- D. For each major line item list sub-values of major products or operations under the item.
  - 1. Each item shall include a directly proportional amount of the Contractor's overhead and profit.
- E. The sum of all values listed in the schedules shall equal the total Contract Sum.

PARTS 2 AND 3 - PRODUCTS AND EXECUTION - Not Applicable

END OF SECTION 01370

SECTION 01400 - QUALITY CONTROL

PART 1 - GENERAL

1.01 RELATED DOCUMENTS:

- A. Attention is directed to Division 0, Bidding and Contract Requirements, and to Division 1, General Requirements, which are hereby made a part of this Section.

1.02 DESCRIPTION:

- A. Specific quality control requirements for the work are indicated throughout the contract documents. The term "Quality Control" includes, but is not necessarily limited to, inspection and testing and associated requirements. This section does not specify or modify Architect's duties relating to quality control and Contract enforcement.
- B. Coordinate quality control programs of separate contractors including submittals, conferences and on site programs.

1.03 RESPONSIBILITY:

- A. Residual Contractor Responsibility: Whatever required, inspection, testing and similar quality control provisions to be performed by independent agencies (not directly by the Contractor), and not indicated to be Owner's responsibility, shall be the Contractor's responsibility. The costs for those required services by independent testing laboratories are recognized to be included in Contract Sum.
- B. Contractor's General Responsibility: No failure of test agencies, whether engaged by Owner or Contractor, to perform adequate inspections or tests or to properly analyze or report results, shall relieve Contractor of responsibility for fulfillment of requirements of contract documents. It is recognized that required inspection and testing program is intended to assist the Contractor, Owner, Architect, and governing authorities in nominal determination of probable compliances with requirements for certain elements of work. The program is not intended to limit the Contractor's regular quality control program, as needed for general assurance of compliances.

1.04 QUALITY ASSURANCE:

- A. General Workmanship Standards: Comply with recognized workmanship quality standards within the industry as applicable to each unit of work, including ANSI standards where applicable. It is a requirement that each category of trades person or installer performing the work be prequalified, to the extent of being familiar with applicable and recognized quality standards for that category of work, and being capable of workmanship complying with those standards.
- B. Qualification of Quality Control Agencies: Except where another qualification standard is indicated, and except where it is specifically indicated that use of prime product manufacturer's test facilities is acceptable, engage independent testing laboratories complying with "Recommended Requirements for Independent Laboratory Qualifications" as published by American Council of Independent Laboratories, and specializing in type(s) of inspections and tests required.

1.05 SUBMITTALS:

- A. General: Refer to Section 01340, "Shop Drawings, Product Data and Samples" for requirements applicable to inspection and test reports, quality control samples, maintenance agreements, warranties, and similar documentation of quality compliances as required. Refer to individual work sections of Division 2 for specific certification and submittal requirements.
- B. Copies and Distribution: Where inspection and test reports and certifications are required by governing authorities, provide additional copies as required, and where required, send copies directly from inspection or testing agency to governing authority.

1.06 PRODUCT DELIVERY, STORAGE, AND HANDLING:

- A. General: Handle, store and protect materials and products, including fabricated components, by methods and means which will prevent damage, deterioration and losses including theft (and resulting delays), thereby ensuring highest quality results as performance of the work progresses. Control delivery schedules so as to minimize unnecessary long-term storage at project site prior to installation.

PART 2 - PRODUCTS

Not applicable.

PART 3 - EXECUTION:

3.01 PREPARATION FOR INSTALLATION:

A. Pre-Installation Conferences: Well in advance of installation of every major unit of work which requires coordination with other work, meet at the project site with installers and representatives of manufacturers and fabricators who are involved in or affected by the unit of work, and in its coordination or integration with other work which has proceeded or will follow. Advise Architect, Owner and General Contractor and Program Manager of scheduled meeting dates. At each meeting, review progress of other work and preparations for particular work under consideration, including requirements of contract documents, options, related change orders, purchases, deliveries, shop drawings, product data, quality control samples, possible conflicts, compatibility problems, time schedule, weather limitations, temporary facilities, space and access limitations, structural limitations, governing regulations, safety, inspection and testing requirements required performance results, recording requirements, and protection. Record significant discussions of each conference, and agreements and disagreements along with final plan of action. Distribute record of meeting promptly to everyone concerned, including Architect and Owner.

1. Do not proceed with the work if associated pre-installation conference cannot be concluded successfully. Instigate actions to resolve impediments to performance of the work, and reconvene conference at earliest date feasible.

B. Installer's Inspection of Conditions: Require Installer of each major unit of work to inspect substrate to receive the work, and conditions under which the work will be performed, and to report (in writing to the General Contractor) unsatisfactory conditions. Do not proceed with the work until unsatisfactory conditions have been corrected in a manner acceptable to the Installer.



3.02 COORDINATION OF TEST AGENCY WORK:

- A. Coordination with Owner's Agencies: Afford access and reasonable time in construction sequence for Owner's inspection and tests to be performed. Cooperate with agencies and provide incidental labor and services needed for the removal and delivery of test samples, and for inspections and taking measurements. Provide patching and restoration services where test samples have been removed, complying with individual technical sections of Division 2.
1. Except for specialized laboratory sampling equipment, and except as otherwise indicated, supply and operate tools and construction equipment needed to obtain test samples from the work, including cutting devices for sawing, drilling, flame-cutting, coring and similar operations. Assist agencies in labeling and packing of test samples removed from the work.
- B. Coordination with Contractor's Independent Agencies: Except for required independent agency activities of inspection, measuring, testing, analyzing, reporting and similar activities, the assignment of labor, equipment, cutting, Patching and similar necessary activities associated therewith are Contractor's option recognizing that entire activity is Contractor's responsibility.
- C. Test Agency Responsibilities:
1. Test agencies, regardless of whether engaged by Owner or Contractor, are not authorized to change or negate requirements of Contract Documents. Each agency shall coordinate its assigned work with construction schedule as maintained by Contractor, and shall perform its work promptly so as not to delay the work. Observances (by agencies) having a bearing on the work shall be reported to Architect in most expeditious way possible, and shall be recorded in writing by agency. Agency personnel shall not interfere with or assume duties of Contractor.
  2. Reports: The testing agency shall prepare reports of inspections and laboratory tests, including analysis and interpretation of test results where applicable. Properly identify each report and, where required, provide agency's certification of test results. Describe test methods used, and compliance with recognized test standards (if any). Complete and submit report at earliest possible date in each case.

3.03 INSTALLATION QUALITY CONTROL:

- A. Recheck measurements and dimensions of the work, as an integral step of starting each installation.
- B. Install work during conditions of temperature, humidity, exposed, forecasted weather, and status of project completion which will ensure best possible results for each unit of work, in coordination with entire work. Isolate each unit of work from non-compatible work, as required to prevent deterioration.
- C. Coordinate backfilling work with required inspections and tests, so as to avoid necessity of uncovering work for that purpose.

END OF SECTION 01400

SECTION 01500 - TEMPORARY FACILITIES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division-1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section specifies requirements for temporary services and facilities, including utilities, construction and support facilities, security and protection.
- B. Temporary utilities required include but are not limited to:
  - 1. Water service and distribution.
  - 2. Temporary electric power and light.
  - 3. Telephone service.
- C. Temporary construction and support facilities required include but are not limited to:
  - 1. Temporary heat.
  - 2. Field offices and storage sheds.
  - 3. Sanitary facilities, including drinking water.
  - 4. Temporary enclosures.
  - 5. Temporary Project identification signs and bulletin boards.
  - 6. Waste disposal services.
  - 7. Construction aids and miscellaneous services and facilities.
- D. Security and protection facilities required include but are not limited to:
  - 1. Temporary fire protection.
  - 2. Barricades, warning signs, lights.
  - 3. Enclosure fence for the site.
  - 4. Environmental protection.

### 1.3 SUBMITTALS

- A. Temporary Utilities: Submit reports of tests, inspections, meter readings and similar procedures performed on temporary utilities.

### 1.4 QUALITY ASSURANCE

- A. Regulations: Comply with industry standards and applicable laws and regulations if authorities having jurisdiction, including but not limited to:

1. Building Code requirements.
2. Health and safety regulations.
3. Utility company regulations.
4. Police, Fire Department and Rescue Squad rules.
5. Environmental protection regulations.

- B. Standards: Comply with NFPA Code 241, "Building Construction and Demolition Operations", ANSI-A10 Series standards for "Safety Requirements for Construction and Demolition", and NECA Electrical Design Library "Temporary Electrical Facilities."

1. Refer to "Guidelines for Bid Conditions for Temporary Job Utilities and Services", prepared jointly by AGC and ASC, for industry recommendations.
2. Electrical Service: Comply with NEMA, NECA and UL standards and regulations for temporary electric service. Install service in compliance with National Electric Code (NFPA 70).

- C. Inspections: Arrange for authorities having jurisdiction to inspect and test each temporary utility before use. Obtain required certifications and permits.

### 1.5 PROJECT CONDITIONS

- A. Temporary Utilities: Prepare a schedule indicating dates for implementation and termination of each temporary utility. At the earliest feasible time, when acceptable to the Owner, change over from use of temporary service to use of the permanent service.

- B. Conditions of Use: Keep temporary services and facilities clean and neat in appearance. Operate in a safe and efficient manner. Take necessary fire prevention measures. Do not overload facilities, or permit them to interfere with progress. Do not allow hazardous dangerous or unsanitary conditions, or public nuisances to develop or persist on the site.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. General: Provide new materials; if acceptable to the Construction Manager and Architect, undamaged previously used materials in serviceable condition may be used. Provide materials suitable for the use intended.
1. For job-built temporary offices, shops and sheds within the construction area, provide UL labeled, fire treated lumber and plywood for framing, sheathing and siding.
  2. For signs and directory boards, provide exterior type, Grade B-B High Density Concrete Form Overlay Plywood conforming to PS-1, of sizes and thickness indicated.
  3. For fences and vision barriers, provide exterior type, minimum 3/8" thick plywood.
  4. For safety barriers, sidewalk bridges and similar uses, provide minimum 5/8" thick exterior plywood.
  5. For job-built temporary offices, shops, sheds, fences and other exposed lumber and plywood, provide exterior grade acrylic-latex emulsion over exterior primer.
  6. For sign panels and applying graphics, provide exterior grade alkyd gloss enamel over exterior primer.
- B. Tarpaulins: Provide waterproof, fire-resistant, UL labeled tarpaulins with flame-spread rating of 15 or less. For temporary enclosures provide translucent nylon reinforced laminated polyethylene or polyvinyl chloride fire retardant tarpaulins.
- C. Water: Provide potable water approved by local health authorities.

- D. Open-Mesh Fencing: Provide 11-gage, galvanized 2-inch, chain link fabric fencing 6-feet high with galvanized barbed wire top strand and galvanized steel pipe posts, 1-1/2" I.D. for line posts and 2-1/2" I.D. for corner posts. Contractor may reuse existing construction fence where present, but will be responsible for all repairs necessary to bring it into compliance with this section.

## 2.2EQUIPMENT

- A. General: Provide new equipment; if acceptable to the Architect, undamaged, previously used equipment in serviceable condition may be used. Provide equipment suitable for use intended.
- B. Water Hoses: Provide 3/4" heavy-duty, abrasion-resistant, flexible rubber hoses 100 ft. long, with pressure rating greater than the maximum pressure of the water distribution system; provide adjustable shut-off nozzles at hose discharge.
- C. Electrical Outlets: Provide properly configured NEMA polarized outlets to prevent insertion of 110-120 volt plugs into higher voltage outlets. Provide receptacle outlets equipped with ground-fault circuit interrupters, reset button and pilot light, for connection of power tools and equipment.
- D. Electrical Power Cords: Provide grounded extension cords; use "hard-service" cords where exposed to abrasion and traffic. Provide waterproof connectors to connect separate lengths of electric cords, if single lengths will not reach areas where construction activities are in progress.
- E. Lamps and Light Fixtures: Provide general service incandescent lamps of wattage required for adequate illumination. Provide guard cages or tempered glass enclosures, where exposed to breakage. Provide exterior fixtures where exposed to moisture.
- F. Heating Units: Provide temporary heating units that have been tested and labeled by UL, FM or another recognized trade association related to the type of fuel being consumed.

- G. Temporary Offices: Provide prefabricated or mobile units or similar job-built construction with lockable entrances, operable windows and serviceable finishes. Provide heated and air- conditioned units on foundations adequate for normal loading.
- H. Temporary Toilet Units: Provide self-contained single-occupant toilet units of the chemical, aerated recirculation, or combustion type, properly vented and fully enclosed with a glass fiber reinforced polyester shell or similar nonabsorbent material.
- I. First Aid Supplies: Comply with governing regulations.
- J. Fire Extinguishers: Provide hand-carried, portable UL-rated, class "A" fire extinguishers for temporary offices and similar spaces. In other locations provide hand-carried, portable, UL-rated, class "ABC" dry chemical extinguishers, or a combination of extinguishers of NFPA recommended classes for the exposures.
  - 1. Comply with NFPA 10 and 241 for classification, extinguishing agent and size required by location and class of fire exposure.

### PART 3 - EXECUTION

#### 3.1 INSTALLATION

- A. Use qualified personnel for installation of temporary facilities. Locate facilities where they will serve the Project adequately and result in minimum interference with performance of the Work. Relocate and modify facilities as required.
- B. Provide each facility ready for use when needed to avoid delay. Maintain and modify as required. Do not remove until facilities are no longer needed, or are replaced by authorized use of completed permanent facilities.

#### 3.2 TEMPORARY UTILITY INSTALLATION

- A. General: Engage the appropriate local utility company to install temporary service or connect to existing service. Where the company provides only part of the service, provide the remainder with matching, compatible materials and equipment; comply with the company's recommendations.

1. Arrange with the company and existing users for a time when service can be interrupted, where necessary, to make connections for temporary services.
  2. Provide adequate capacity at each stage of construction. Prior to temporary utility availability, provide trucked-in services.
  3. Use Charges: Cost or use charges for temporary facilities are not chargeable to the Owner or Architect, and will not be accepted as a basis of claims for a Change Order.
- B. Water Service: Install water service and distribution piping of sizes and pressures adequate for construction until permanent water service is in use.
1. Sterilization: Sterilize temporary water piping prior to use.
- C. Temporary Electric Power Service: Provide weatherproof, grounded electric power service and distribution system of sufficient size, capacity, and power characteristics during construction period. Include meters, transformers, overload protected disconnects, automatic ground-fault interrupters and main distribution switch gear.
1. Except where overhead service must be used, install electric power service underground.
  2. Power Distribution System: Install wiring overhead, and rise vertically where least exposed to damage. Where permitted, wiring circuits not exceeding 125 Volts, AC 20 ampere rating, and lighting circuits may be nonmetallic sheathed cable where overhead and exposed for surveillance.
- D. Temporary Lighting: Whenever power and/or lighting has been removed, provide temporary lighting with local switching.
1. Install and operate temporary lighting that will fulfill security and protection requirements, without operating the entire system, and will provide adequate illumination for demolition operations and traffic conditions.



- E. Temporary Telephones: Provide temporary telephone service for all personnel engaged in construction activities, throughout the construction period. Install telephone on a separate line for each temporary office and first aid station. Where an office has more than two occupants, install a telephone for each additional occupant or pair of occupants.
1. At each telephone, post a list of important telephone numbers.
- F. Sewers and Drainage: If sewers are available, provide temporary connections to remove effluent that can be discharged lawfully. If sewers are not available or cannot be used, provide drainage ditches, dry wells, stabilization ponds and similar facilities. If neither sewers nor drainage facilities can be lawfully used for discharge of effluent, provide containers to remove and dispose of effluent off the site in a lawful manner.
1. Filter out excessive amounts of soil, construction debris, chemicals, oils and similar contaminants that might clog sewers or pollute waterways before discharge.
  2. Connect temporary sewers to the municipal system as directed by the sewer department officials.
  3. Maintain temporary sewers and drainage facilities in a clean, sanitary condition. Following heavy use, restore normal conditions promptly.
- G. Provide earthen embankments and similar barriers in and around excavations and subgrade construction, sufficient to prevent flooding by runoff of storm water from heavy rains.

### 3.3 TEMPORARY CONSTRUCTION AND SUPPORT FACILITIES INSTALLATION

- A. Locate field offices, storage sheds, sanitary facilities and other temporary construction and support facilities for easy access.
1. Maintain temporary construction and support facilities until near Substantial Completion. Remove prior to Substantial Completion. Personnel remaining after Substantial Completion will be permitted to use permanent facilities, under conditions acceptable to the Owner.

- B. Provide incombustible construction for offices, shops and sheds located within the construction area, or within 30 feet of building lines. Comply with requirements of NFPA 241.
- C. Temporary Heat: Provide temporary heat required by construction activities, for curing or drying of completed installations or protection of installed construction from adverse effects of low temperatures or high humidity. Select safe equipment that will not have a harmful effect on completed installations or elements being installed. Coordinate ventilation requirements to produce the ambient condition required and minimize consumption of energy.
- D. Heating Facilities: Except where use of the permanent system is authorized, provide vented self-contained LP gas or fuel oil heaters with individual space thermostatic control.
  - 1. Use of gasoline-burning space heaters, open flame, or salamander type heating units is prohibited.
- E. Field Offices: Provide insulated, weathertight temporary offices of sufficient size to accommodate required office personnel at the Project site. Keep the office clean and orderly for use for small progress meetings. Furnish and equip offices as follows:
  - 1. Furnish with a desk and chairs, a 4-drawer file cabinet, plan table and plan rack and a 6-shelf bookcase.
  - 2. Equip with a water cooler and private toilet complete with water closet, lavatory and mirror-medicine cabinet unit.
- F. Storage and Fabrication Sheds: Install storage and fabrication sheds, sized, furnished and equipped to accommodate materials and equipment involved, including temporary utility service. Sheds may be open shelters or fully enclosed spaces within the building or elsewhere on the site.
- G. Sanitary facilities include temporary toilets, wash facilities and drinking water fixtures. Comply with regulations and health codes for the type, number, location, operation and maintenance of fixtures and facilities. Install where facilities will best serve the Project's needs.

1. Provide toilet tissue, paper towels, paper cups and similar disposable materials for each facility. Provide covered waste containers for used material.
- H. Toilets: Install self-contained toilet units. Shield toilets to ensure privacy. Use of pit-type privies will not be permitted.
- I. Dewatering Facilities and Drains: For temporary drainage and dewatering facilities and operations, comply with dewatering requirements of Section 02319 "Dewatering". Where feasible, utilize the same facilities. Maintain the site, excavations and construction free of water.
- J. Temporary Enclosures: Provide temporary enclosure for demolition operations in progress and completed, from unauthorized access.
2. Where heat is needed and the building enclosure, provide temporary enclosures where there is no other provision for containment of heat. Coordinate enclosure with ventilating and material drying or curing requirements to avoid dangerous conditions and effects.
  3. Install tarpaulins securely, with incombustible wood framing and other materials. Close openings of 25 square feet or less with plywood or similar materials.
- K. Temporary Exterior Lighting: Install exterior yard and sign lights so that signs are visible when Work is being performed and site is secure.
- L. Collection and Disposal of Waste: Collect waste from demolition areas and elsewhere daily. Comply with requirements of NFPA 241 for removal of combustible waste material and debris. Enforce requirements strictly. Do not hold materials more than 7 days during normal weather or 3 days when the temperature is expected to rise above 80 deg F (27 deg C). Handle hazardous, dangerous, or unsanitary waste materials separately from other waste by containerizing properly. Dispose of material in a lawful manner.

### 3.4 SECURITY AND PROTECTION FACILITIES INSTALLATION

- A. Temporary Fire Protection: Until fire protection needs are not required due to demolition completion, install and maintain temporary fire protection facilities of the types needed to protect against reasonably predictable and controllable fire losses. Comply with NFPA 10 "Standard for Portable Fire Extinguishers," and NFPA 241 "Standard for Safeguarding Construction, Alterations and Demolition Operations."
1. Locate fire extinguishers where convenient and effective for their intended purpose, but not less than one extinguisher on each floor.
  2. Store combustible materials in containers in fire-safe locations.
  3. Maintain unobstructed access to fire extinguishers, fire hydrants, temporary fire protection facilities and other access routes for fighting fires. Prohibit smoking in hazardous fire exposure areas.
  4. Provide supervision of welding operations, combustion type temporary heating units, and similar sources of fire ignition.
- B. Barricades, Warning Signs and Lights: Comply with standards and code requirements for erection of structurally adequate barricades. Paint with appropriate colors, graphics and warning signs to inform personnel and the public of the hazard being protected against. Where appropriate and needed provide lighting, including flashing red or amber lights.
- C. Enclosure Fence: When excavation begins, install a 6' high enclosure fence with lockable entrance gates. Locate where indicated, or enclose the entire site or the portion determined sufficient to accommodate demolition operations. Install in a manner that will prevent people, dogs and other animals from easily entering the site, except by the entrance gates.
1. Provide open-mesh, chain-link fencing with posts set in a compacted mixture of gravel and earth.

- D. Security Enclosure and Lockup: Install substantial temporary enclosure of partially completed areas of demolition. Provide locking entrances to prevent unauthorized entrance, vandalism, theft and similar violations of security.
1. Storage: Where materials and equipment must be stored, and are of value or attractive for theft, provide a secure lockup. Enforce discipline in connection with the installation and release of material to minimize the opportunity for theft and vandalism.
- E. Environmental Protection: Provide protection, operate temporary facilities and conduct demolition in ways and by methods that comply with environmental regulations, and minimize the possibility that air, waterways and subsoil might be contaminated or polluted, or that other undesirable effects might result. Avoid use of tools and equipment which produce harmful noise. Restrict use of noise making tools and equipment to hours that will minimize complaints from persons or firms near the site.

### 3.5 OPERATION, TERMINATION AND REMOVAL

- A. Supervision: Enforce strict discipline in use of temporary facilities. Limit availability of temporary facilities to essential and intended uses to minimize waste and abuse.
- B. Maintenance: Maintain facilities in good operating condition until removal. Protect from damage by freezing temperatures and similar elements.
1. Maintain operation of temporary enclosures, heating, cooling, humidity control, ventilation and similar facilities on a 24-hour day basis where required to achieve indicated results and to avoid possibility of damage.
2. Protection: Prevent water filled piping from freezing. Maintain markers for underground lines. Protect from damage during demolition operations.
- C. Termination and Removal: Unless the Architect requests that it be maintained longer, remove each temporary facility when the need has ended.

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1. Materials and facilities that constitute temporary facilities are property of the Contractor. The Owner reserves the right to take possession of Project identification signs.
2. Remove temporary paving installed for demolition activity. Where the area is intended for landscape development, remove soil and aggregate fill that does not comply with requirements for fill or subsoil in the area. Remove materials contaminated with road oil, asphalt and other petrochemical compounds, and other substances which might impair growth of lawns. Repair or replace street paving, curbs and sidewalks at the temporary entrances, as required by the governing authority.

END OF SECTION 01500

SECTION 01700 - PROJECT CLOSEOUT

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and other Division-1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section specifies administrative and procedural requirements for project closeout, including but not limited to:
  - 1. Inspection procedures.
  - 2. Project record document submittal.
  - 3. Submittal of warranties.
- B. Closeout requirements for specific construction activities are included in the appropriate Sections in Divisions 2 or as indicated on Drawings.

1.3 SUBSTANTIAL COMPLETION

- A. Preliminary Procedures: Before requesting inspection for certification of Substantial Completion, complete the following. List exceptions in the request.
  - 1. In the Application for Payment that coincides with, or first follows, the date Substantial Completion is claimed, show 100 percent completion for the portion of the Work claimed as substantially complete. Include supporting documentation for completion as indicated in these Contract Documents and a statement showing an accounting of changes to the Contract Sum.
    - a. If 100 percent completion cannot be shown, include a list of incomplete items, the value of incomplete construction, and reasons the Work is not complete.
  - 2. Advise Owner of pending insurance change-over requirements.
  - 3. Submit specific warranties, workmanship bonds, maintenance agreements, final certifications and similar documents.
  - 4. Obtain and submit releases enabling the Owner unrestricted use of the Work and utilities.
  - 5. Complete final clean up requirements, including touch-up painting. Repair and restore site.

- B. Inspection Procedures: On receipt of a request for inspection, the Architect will either proceed with inspection or advise the Contractor of unfilled requirements. The Architect will prepare the Certificate of Substantial Completion following inspection, or advise the Contractor of construction that must be completed or corrected before the certificate will be issued.
1. The Architect will repeat inspection when requested and assured that the Work has been substantially completed.
  2. Results of the completed inspection will form the basis of requirements for final acceptance.

#### 1.4 FINAL ACCEPTANCE

- A. Preliminary Procedures: Before requesting final inspection for certification of final acceptance and final payment, complete the following. List exceptions in the request.
1. Submit the final payment request with releases and supporting documentation not previously submitted and accepted. Include certificates of insurance for products and completed operations where required.
  2. Submit an updated final statement, accounting for final additional changes to the Contract Sum.
  3. Submit a certified copy of the Architect's final inspection list of items to be completed or corrected, stating that each item has been completed or otherwise resolved for acceptance, and the list has been endorsed and dated by the Architect.
  4. Submit consent of surety to final payment.
  5. Submit evidence of final, continuing insurance coverage complying with insurance requirements.
- B. Reinspection Procedure: The Architect will reinspect the Work upon receipt of notice that the Work, including inspection list items from earlier inspections, has been completed, except items whose completion has been delayed because of circumstances acceptable to the Architect.
1. Upon completion of reinspection, the Architect will prepare a certificate of final acceptance, or advise the Contractor of Work that is incomplete or of obligations that have not been fulfilled but are required for final acceptance.
  2. If necessary, reinspection will be repeated.



1.5 RECORD DOCUMENT SUBMITTALS

- A. General: Do not use record documents for construction purposes; protect from deterioration and loss in a secure, fire-resistive location; provide access to record documents for the Architect's reference during normal working hours.
- B. Record Drawings: Maintain a clean, undamaged set of blue or black line white-prints of Contract Drawings and Shop Drawings. Mark the set to show the actual location of all known underground utilities and/or other underground items. Give particular attention to concealed elements that would be difficult to measure and record at a later date.
  - 1. Mark record sets in red; use other colors to distinguish between variations in underground utilities or other underground item.
  - 2. Mark new information that is important to the Owner, but was not shown on Contract Drawings.
  - 3. Note related Change Order numbers where applicable.
  - 4. Organize record drawing sheets into manageable sets, bind with durable paper cover sheets, and print suitable titles, dates and other identification on the cover of each set.
- C. Record Specifications: Maintain one complete copy of the Project Manual, including addenda, and one copy of other written construction documents such as Change Orders and modifications issued in printed form during construction. Mark these documents to show substantial variations in actual Work performed in comparison with the text of the Specifications and modifications. Give particular attention to substitutions, selection of options and similar information on elements that are concealed or cannot otherwise be readily discerned later by direct observation. Note related record drawing information.
  - 1. Upon completion of the Work, submit record Specifications to the Architect for the Owner's records.
- D. Record Product Data: Maintain one copy of each Product Data submittal. Mark these documents to show significant variations in actual Work performed in comparison with information submitted. Include variations in products delivered to the site, and from the manufacturer's installation instructions and recommendations. Give particular attention to concealed products and portions of the Work which cannot otherwise be readily discerned later by direct observation. Note related Change Orders and mark-up of record drawings and Specifications.

1. Upon completion of mark-up, submit complete set of record Product Data to the Architect for the Owner's records.
  
- E. Record Sample Submitted: Immediately prior to the date or dates of Substantial Completion, the Contractor will meet at the site with the Architect and the Owner's personnel to determine which of the submitted Samples that have been maintained during progress of the Work are to be transmitted to the Owner for record purposes. Comply with delivery to the Owner's Sample storage area.
  
- F. Miscellaneous Record Submittals: Refer to other Specification Sections for requirements of miscellaneous record-keeping and submittals in connection with actual performance of the Work. Immediately prior to the date or dates of Substantial Completion, complete miscellaneous records and place in good order, properly identified and bound or filed, ready for continued use and reference. Submit to the Architect for the Owner's records.
  
- G. Maintenance Manuals: Organize operating and maintenance data into suitable sets of manageable size. Bind properly indexed data in individual heavy-duty 2-inch, 3-ring vinyl-covered binders, with pocket folders for folded sheet information. Mark appropriate identification on front and spine of each binder. Include the following types of information:
  1. Emergency instructions.
  2. Copies of warranties.
  3. Recommended maintenance.
  4. Inspection procedures.
  5. Product Data.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION

3.1 CLOSEOUT PROCEDURES

- A. Maintenance Instructions: Arrange for each installer of items that requires regular maintenance to meet with the Owner's personnel to provide instruction in proper maintenance. If installers are not experienced in procedures, provide instruction by manufacturer's representatives. Include a detailed review of the following items:
1. Record documents.
  2. Warranties and bonds.
  3. Maintenance agreements and similar continuing commitments.

END OF SECTION 01700

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SECTION 01800 - GUARANTEE - WARRANTY

PART ONE - GENERAL

1.01 GUARANTEE PERIOD

- A. The General Contractor shall and hereby does guarantee and warrant that all work for this building, under this Contract, shall be free from defects or faulty labor and/or materials for a period of **one (1) year** from the date of Final Acceptance of same, except when longer periods are herein specified, which develop within any guarantee periods.

1.02 FINAL PAYMENT

- A. Final payment is contingent upon the Owner's Representative's receipt of such guarantees and/or warranties from the General Contractor.

END OF SECTION 01800

SECTION 02210 - FINE GRADING

PART 1 - GENERAL

1.1 Related Documents

- A. Attention is directed to Bidding and Contract Requirements, and General and Supplemental Requirements which are hereby made a part of this section.

1.2 Summary

- A. Work included: All labor, materials, necessary equipment and services to complete the Fine Grading work, as indicated on the drawings, as specified herein or both, except as for items specifically indicated as "NIC ITEMS".
- B. Related work specified elsewhere:
  - 1. Section 02230 "Site Clearing".

1.3 Site Inspection

- A. The Contractor shall visit the site and acquaint himself with all existing conditions. The Contractor shall be responsible for his own subsurface investigations, as necessary, to satisfy requirements of this Section. All subsurface investigations shall be performed only under time schedules and arrangements approved in advance by the Architect or Owner's Representative.

1.4 Utilities

- A. Before starting site operations verify that the earlier Contractors have disconnected all temporary utilities which might interfere with the fine grading work.
- B. Locate all existing, active utility lines traversing the site and determine the requirements for their protection. Preserve in operating condition all active utilities adjacent to or transversing the site that are designated to remain.

- C. Observe rules and regulations governing respective utilities in working under requirements of this section. Adequately protect utilities from damage, remove or relocate as indicated, specified or required. Remove, plug or cap inactive or abandoned utilities encountered in excavation. Record location of active utilities.
- D. Contact "Miss Dig" for existing utilities survey confirmation.

#### 1.5 Quality Assurance

- A. Requirements of all applicable building codes and other public agencies having jurisdiction upon the work.
- B. Primary emphasis should be given to the aesthetic appearance and functioning of berming and swales, as directed by the Architect or Owner's Representative. The Contractor shall employ skilled personnel and any necessary equipment to insure that finish grading is smooth, aesthetically pleasing, drains well and is ideal for receiving seed and/or sod and plant materials.

### PART 2 - PRODUCTS

#### 2.1 Materials

- A. Existing Soil:
  - 1. Strip existing topsoil as specified in Section 02230 "Site Clearing".
  - 2. In areas to receive seed, verify that soil is scarified to depth of 3" and that soil contains enough organic matter to support and encourage rooting of seeded lawn.

PART 3 - EXECUTION

3.1 Examination

A. Job Conditions

1. Dust control: Use all means necessary to prevent dust from construction operations from being a nuisance to adjacent property owners and from damaging finish surfaces on adjacent building, paving, etc. Methods used for dust control are subject to approval by the Architect of Owner's Representative.
2. Burning: On-site burning will not be permitted.
3. Protection: Use all means necessary to protect curbs, gutters, sprinklers, utilities and vegetation designated to remain, and, in the event of damage, immediately make all repairs, replacements and dressings to damaged plants necessary to the approval of the Architect. Contractor shall incur all cost for the replacement of damaged objects and vegetation.

3.2 Scheduling

- A. Schedule all work in a careful manner with all necessary consideration for adjoining property owners and the public.
- B. Coordinate schedule with the Construction Manager and other Contractors to avoid conflicts with their work.

3.3 Excavation

- A. Excavate where necessary to obtain subgrades, percolation and surface drainage as required.
- B. Materials to be excavated are unclassified.
- C. Remove entirely any existing obstructions after approval by the Architect's or Owner's Representative.

- D. Remove from site and dispose of debris and excavated material not required.

### 3.4 Grading

- A. The Contractor shall establish finished grades as shown on the construction plans and as directed by the Architect, including areas where the existing grade has been disturbed by other work.
- B. Finished grading shall be smooth, aesthetically pleasing, drain well and ready to receive seed an/or sod and other plant material to full satisfaction of the Owner's Representative(s) and Architect.

### 3.5 Compaction

- A. Compact each layer of fill in designated areas with approved equipment to achieve a maximum density at optimum moisture, AASHTO T 180 - latest edition.
  - 1. Under roadways, curbs, walks and other paved areas: compaction shall be to 95% of maximum density.
  - 2. Under landscaped area, compaction shall not exceed 85% of maximum density.
- B. Compaction in limited areas shall be obtained by the use of mechanical tampers or approved hand tampers. When hand tampers are used, the materials shall be deposited in layers not more than four inches thick. The hand tampers used shall be suitable for this purpose and shall have a face area of not more than 100 square inches. Special precautions shall be taken to prevent any wedging action against masonry or other exposed building surfaces.



3.6 Correction of Grade

- A. Bring to required grade levels areas where settlement, erosion or other grade changes occur. Adjust grades as required to carry drainage away from buildings and to prevent ponding around the buildings and on pavements.
- B. Remove all rock or objectionable material larger than 1" any direction prior to commencing landscaping.
- C. Contractor shall be responsible for stabilizing grades by approved methods prior to landscaping, and shall be responsible for correction of grades as mentioned above, and clean up of any wash outs or erosion.

END OF SECTION 02210

SECTION 02220 - DEMOLITION

PART 1 - GENERAL

1.1 REGULATORY REQUIREMENTS

- A. Conform to applicable codes for demolition of structures, safety of adjacent structures, dust control, and disposal of materials.
- B. Obtain required permits from authorities.
- C. Notify affected utility companies prior to starting work and comply with their requirements.
- D. Conform to applicable regulatory procedures when discovering hazardous or contaminated materials.
- E. Rules, regulations or laws of any controlling Governmental Agency shall govern, when they are more stringent than the requirements of this Section.

1.2 DESCRIPTION

- A. Provide all labor, materials, and equipment necessary for the completion of all Demolition as shown on the Drawings and specified herein.
- B. All on and offsite Work included consists of but is not limited to:
  - 1. Demolition in part or in whole of existing buildings, footings, foundations, structures, and facilities together with subsequent removal of resulting debris.
  - 2. Removal, disconnecting or capping off of existing utilities, underground structures, above ground tanks, disposal fields, etc.
  - 3. Removal from Site and disposal of all excess and unusable material.

1.3 RELATED WORK SPECIFIED ELSEWHERE:

A. Section 02230 "Site Clearing": For removing trees, vegetation, sidewalks and other site improvements, and backfilling depressions and stripping topsoil clearing and grubbing the site.

1.4 DEFINITIONS

A. Remove: Remove items from existing construction and legally dispose of them off-site.

B. Remove and Reinstall: Carefully remove items indicated from existing construction, prepare them for reuse, and reinstall them where indicated. Prior to reinstalling the item, the Contractor shall make a determination as to its soundness. Items which exhibit signs of wear or deterioration shall only be discarded on agreement with the Architect and Owner.

C. Remove and Salvage: Remove items from existing construction and deliver them to owner.

1.5 QUALITY ASSURANCE

A. The Contractor shall visit the Site so that a full understanding of the difficulties and restrictions for execution of the Contract are made. Verify the location of all pertinent items. No additional compensation will be allowed for failure to be so informed.

B. The Contractor shall submit a schedule indicating proposed sequence of operations for demolition Work to the Owner and Architect for review prior to commencing Work. Include coordination for shutoff, capping, and continuation of utility services as required, together with details for dust and noise control protection.

C. Comply with regulatory requirements and notification regulations before beginning demolition.

- D. Comply with hauling and disposal regulations of authorities having jurisdiction. A receipt indicating acceptance of hazardous wastes from a landfill facility licensed to accept such materials shall be submitted to the owner.

1.6 JOB CONDITIONS

- A. Existing structures, utilities, drives, walks, etc., have been shown on the plans in their approximate location, others may exist and may be found upon visiting the site. It shall be the responsibility of the Contractor to accurately locate all facilities and to determine their extent. If such facilities obstruct the progress of the Work and are not indicated to be removed or relocated, they shall be removed or relocated only as directed by the Owner.
- B. Owner assumes no responsibility for the actual condition of items or structures to be demolished.
- C. Contractor shall investigate the possibility of existing septic tanks and drain fields near the location of existing foundations, and throughout portions of the site prior to demolition. In the event that any possible septic tanks exist, this Contractor shall make further investigations, as necessary, to locate the septic tank and drain fields. Any septic tank and drain field found to exist shall be removed in accordance with the requirements of State and Local Health Departments.
- D. Protect trees, plants, and natural features which are to remain as final landscaping.
- E. Replace to new conditions any pavement or public right-of-way that is disturbed by the Work under this Section. All pavement replacement work in public rights-of-way shall be performed to the proper satisfaction of the governmental agencies having jurisdiction thereover.

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- F. If cutting torches are used, take all necessary precautions to prevent setting of fires, including the use of fireproof tarpaulins and fire extinguishing apparatus adjacent to cutting area.
- G. Notify utility companies if removal or relocation of any existing utilities is required.
- H. Promptly repair damages caused to adjacent facilities by demolition Work.
- I. Do not close, block, or otherwise obstruct access to existing streets, sidewalks, driveways, and other adjacent occupied or used facilities during demolition. Any proposed closures shall have written permission from the authority having jurisdiction.
- J. Maintain existing utilities and protect them against damage during demolition operations.
  - 1. Do not interrupt utilities serving occupied or used facilities, except when authorized in writing by authorities having jurisdiction. Provide temporary services during interruptions to existing utilities, as acceptable to governing authorities.
  - 2. Maintain fire protection services during demolition operations.
- K. Environmental Controls: Use water sprinkling, temporary enclosures, and other methods to limit dust and dirt migration. Comply with governing regulations pertaining to environmental protection.
  - 1. Do not use water when it may create hazardous or objectionable conditions such as ice, flooding, and pollution.

L. Underground Storage Tank Removal (if present): Contact all State, Federal and local agencies as may be required and determine the governing agencies requirements and provide agency contact information to the owner prior to construction.

1. Completely remove all tanks, equipment lines, foundations and surrounding soils. Keep owner informed as to the progress of the work and notify immediately of any irregularities.

1.7 DRAINAGE MAINTENANCE

A. During the entire course of operations, all existing drainage ways, both into and from the Project area shall be maintained in a functional condition.

B. At all times during the clearing operation, the exposed areas of subgrade shall be maintained in a condition compatible with positive drainage of the Work area. Failure to maintain such drainage shall be considered adequate cause for the Owner to order temporary suspension of the Work.

C. Cut drainage swales and provide temporary grading to carry storm water away from the demolition area. No water will be permitted to stand in open excavations.

PART 2 - PRODUCTS

A. Use repair materials identical to existing materials. If identical materials are unavailable, use new materials whose performance is equal to or surpasses that of the existing material.

B. Comply with material and installation requirements specified in the individual sections of this contract.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Locate, identify, and protect all known utilities which are to remain. If utilities are uncovered that are not shown on the plans, notify the Owner and Construction Manager and cease work in the immediate areas until instructed to how to proceed.
  
- B. Provide interior and exterior shoring, bracing, or support to prevent movement, settlement, or uncontrolled collapse of structures to be demolished and adjacent facilities to remain.
  - 1. Cease operations and notify the Architect and Owner immediately if controlled safety of structure or adjacent structures to remain appear to be endangered. Take precautions to support structure and **DO NOT** resume operations until a determination is made for continuing operations.
  - 2. Provide bypass connections as necessary to maintain continuity of service to occupied areas of building.
  
- C. Check with the water and sewer departments, Gas Company, and private utility companies to assure that all utilities and services are inoperative prior to their removal.

3.2 DEMOLITION

- A. Perform demolition Work in a systematic manner. Use such methods as required to complete Work indicated on Drawings in accordance with demolition schedule and governing regulations.
  - 1. Sawcut asphalt pavement full depth at limits indicated for removal.
  - 2. Concrete pavement shall be sawcut full depth and removed to the joint nearest the indicated removal limit or where specifically directed.

3. Where piping is to be bulkheaded, provide a permanent, water-tight plug consisting of brick and concrete mortar, one foot thick or prefabricated plugs intended for this purpose.
4. Maintain in operating conditions all active utilities, sewers and drains encountered.
5. The Contractor shall use extreme caution in removing any structures and utilities above and below grade to prevent damage to existing utilities which are to remain in service. Any existing utilities to remain, which are in any way damaged, shall be replaced at no additional cost to the Owner.
6. Conduct operations in such a manner as to minimize noise, dust and other disturbances.

### 3.3 DISPOSAL OF DEMOLISHED MATERIALS

A. Demolished material not indicated for turning over to the owner or specified for reuse, including rubble and other debris, shall become the property of the contractor and shall be removed daily from the project site and legally disposed of off the project site, at no expense to the Owner.

1. If hazardous materials are encountered during demolition operations, comply with applicable regulations, laws, and ordinances concerning removal, handling, and protection against exposure or environmental pollution.
2. Burning of materials shall not be permitted on Site.

### 3.4 CLEANUP AND REPAIR

A. Upon completion of demolition Work, remove tools, equipment, and demolished materials from Site.



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B. Repair demolition performed in excess of that required.  
Return elements of construction and surfaces to remain to  
condition existing prior to start of operations. Repair  
adjacent construction damaged by demolition Work.

END SECTION 02220

SECTION 02230 - SITE CLEARING

PART 1 - GENERAL

1.1 Related Documents

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 Summary

- A. This Section includes the following:

1. Protecting existing trees and vegetation to remain.
2. Removing trees and other vegetation.
3. Clearing and grubbing.
4. Topsoil stripping and stockpiling.
5. Removing above-grade site improvements.
6. Disconnecting, capping or sealing, removing or abandoning site utilities in place.
7. Disposal of spoils, debris and waste materials.
8. Backfilling of depressions.

- B. Related Sections include the following:

1. Comply with Division 1 requirements.
2. Section 02220 "Demolition" for removal of existing buildings, footing, foundations, structures and facilities.
3. Section 02210 "Fine Grading" for finish grading.
4. Section 02270 "Soil Erosion Control".
5. Section 02300 "Earthwork" for soil materials, excavating, backfilling, and site grading.
6. Section 02950 "Topsoil" for finish grading, including placing and preparing topsoil for lawns.
7. Section 02951 "Landscape Restoration" for finish grading, including placing and preparing topsoil for lawns and planting.

### 1.3 Definitions

- A. Topsoil: Natural or cultivated surface-soil layer containing organic matter and sand, silt, and clay particles; friable, pervious, and black or a darker shade of brown, gray, or red than underlying subsoil; reasonably free of subsoil, clay lumps, gravel, and other objects more than 2 inches (50 mm) in diameter; and free of debris, sod, biodegradable materials, weeds, roots, and other deleterious materials. The Contractor shall insure that all soil has sufficient percolation and surface drainage to support grasses and plant material and that extreme compaction occurs only in areas to receive paving.

### 1.4 Materials Ownership

- A. Except for materials indicated to be stockpiled or to remain Owner's property, cleared materials shall become Contractor's property and shall be removed from the site.

### 1.5 Submittals

- A. Photographs or video, sufficiently detailed, of existing conditions of trees and plantings, adjoining construction, and site improvements that might be misconstrued as damage caused by site clearing.
- B. Record drawings according to Division 1 requirements.
  - 1. Identify and accurately locate capped utilities and other subsurface structural, electrical, and mechanical conditions.

### 1.6 Quality assurance

- A. Preinstallation Conference: Conduct conference at Project site to comply with Division 1 requirements.

1.7 Project Conditions

- A. Traffic: Minimize interference with adjoining roads, streets, walks, and other adjacent occupied or used facilities during site-clearing operations.
  - 1. Do not close or obstruct streets, walks, or other adjacent occupied or used facilities without permission from Owner and authorities having jurisdiction.
  - 2. Provide alternate routes around closed or obstructed traffic ways if required by authorities having jurisdiction.
- B. Improvements on Adjoining Property: Authority for performing indicated removal and alteration work on property adjoining Owner's property will be obtained by Owner before award of Contract.
- C. Salvable Improvements: Carefully remove items indicated to be salvaged and store on Owner's premises where indicated.
- D. Notify utility locator service for area where Project is located before site clearing.

PART 2 - PRODUCTS (Not Applicable)

2.1 Soil Materials

- A. Satisfactory Soil Materials: Requirements for satisfactory soil materials are specified in Section 02300 "Earthwork."
  - 1. Obtain approved borrow soil materials off-site when satisfactory soil materials are not available on-site.

PART 3 - EXECUTION

3.1 Preparation

- A. Protect and maintain benchmarks and survey control points from disturbance during construction.
- B. Provide erosion-control measures to prevent soil erosion and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways. Contractor is responsible for obtaining soil erosion permit, unless otherwise designated by the Construction Manager.
- C. Locate and clearly flag trees and vegetation to remain or to be relocated.
- D. Protect existing site improvements to remain from damage during construction.
  - 1. Restore damaged improvements to their original condition, as acceptable to Owner.

3.2 Tree Protection

- A. Erect and maintain a temporary fence around drip line of individual trees or around perimeter drip line of groups of trees to remain. Remove fence when construction is complete.
  - 1. Do not store construction materials, debris, or excavated material within drip line of remaining trees.
  - 2. Do not permit vehicles, equipment, or foot traffic within drip line of remaining trees.
- B. Do not excavate within drip line of trees, unless otherwise indicated.
- C. Where excavation for new construction is required within drip line of trees, hand clear and excavate to minimize damage to root systems. Use narrow-tine spading forks,

comb soil to expose roots, and cleanly cut roots as close to excavation as possible.

1. Cover exposed roots with burlap and water regularly.
2. Temporarily support and protect roots from damage until they are permanently relocated and covered with soil.
3. Coat cut faces of roots more than 1-1/2 inches (38 mm) in diameter with an emulsified asphalt or other approved coating formulated for use on damaged plant tissues.
4. Cover exposed roots with wet burlap to prevent roots from drying out. Backfill with soil as soon as possible.

- D. Repair or replace trees and vegetation indicated to remain that are damaged by construction operations, in a manner approved by Architect.

### 3.3 Utilities

- A. Contractor will arrange for disconnecting and sealing indicated utilities that serve existing structures before site clearing.
- B. Locate, identify, disconnect, and seal or cap off utilities indicated to be removed.
1. Owner will arrange to shut off indicated utilities when requested by Contractor.
  2. Arrange to shut off indicated utilities with utility companies.
- C. Existing Utilities: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary utility services according to requirements indicated:

1. Notify Owner and Architect not less than three (3) days in advance of proposed utility interruptions.
2. Do not proceed with utility interruptions without Owner's or Architect's written permission.

D. Excavate for and remove underground utilities indicated to be removed.

### 3.4 Clearing and Grubbing

A. Remove obstructions, trees, shrubs, grass, and other vegetation to permit installation of new construction. Removal includes digging out stumps and obstructions and grubbing roots.

1. Do not remove trees, shrubs, and other vegetation indicated to remain or to be relocated.
2. Cut minor roots and branches of trees indicated to remain in a clean and careful manner where such roots and branches obstruct installation of new construction.
3. Completely remove stumps, roots, obstructions, and debris extending to a depth of 18 inches (450 mm) below exposed subgrade.
4. Use only hand methods for grubbing within drip line of remaining trees.

B. Fill depressions caused by clearing and grubbing operations with satisfactory soil material, unless further excavation or earthwork is indicated.

1. Place fill material in horizontal layers not exceeding 8-inch (200-mm) loose depth, and compact each layer to a density equal to adjacent original ground.

### 3.5 Topsoil Stripping

A. Remove sod and grass before stripping topsoil.

B. Strip topsoil to whatever depths are encountered in a manner to prevent intermingling with underlying subsoil or other waste materials.

1. Strip surface soil of unsuitable topsoil, including trash, debris, weeds, roots, and other waste materials.

C. Stockpile topsoil materials in area approved by Owner or Architect.

### 3.6 Site Improvements

A. Remove existing above- and below-grade improvements as indicated and as necessary to facilitate new construction.

B. Remove slabs, paving, curbs, gutters, and aggregate base as indicated.

1. Unless existing full-depth joints coincide with line of demolition, neatly saw-cut length of existing pavement to remain before removing existing pavement. Saw-cut faces vertically.

### 3.7 Disposal

A. Disposal of material: Remove surplus soil material, unsuitable topsoil, obstructions, demolished materials, and waste materials, including trash and debris, and legally dispose of them off Owner's property.

B. Burning of materials on project property is prohibited.

END OF SECTION 02230



SECTION 02270 - SOIL EROSION CONTROL

PART 1 - GENERAL

1.1 Related Requirements

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division - 1 Specification Sections, apply to this Section.

1.2 Summary

- A. The work under this Section includes all work necessary for effective soil erosion control in conformance with Part 91, Act 451, PA 1994, the Soil Erosion and Sedimentation Control Act, Michigan Department of Natural Resources Environmental Protection Act guidelines and all pertinent local enforcing agency rules and regulations.

- B. Related Sections include the following:

- 1. Section 02230 "Site Clearing"
- 2. Section 02300 "Earthwork"

1.3 Standards

- A. General: Perform all work under this Section in accordance with all pertinent rules and regulations, including, but not necessarily limited to those mentioned above and these Specifications.
- B. Conflicts: Where provisions of pertinent rules and regulations conflict with these Specifications, the more stringent provisions shall govern.

PART 2 - PRODUCTS

2.1 Seed, Fertilizer, Mulch

- A. Refer to Sections 02950 "Topsoil" and 02951 "Landscape Restoration".

PART 3 - EXECUTION

3.1 General

- A. Standards: Provide all materials and promptly take all actions necessary to achieve effective erosion control in accordance with the Soil Erosion and Sedimentation Control Act, Michigan Department of Natural Resources guidelines, local enforcing agency guidelines and these Specifications.
- B. Site evaluation: Prior to start of the Work, conduct a field evaluation of the site along with representatives of the Engineer/Architect and the local enforcing agency.
- C. Permits: Obtain all pertinent permits including a Soil Erosion Control Permit from the county or local enforcing agency. Submit the NPDES Notice of Coverage when the soil erosion permit is received.

3.2 Seeding and Mulching

A. General

- 1. All bare soil, unless otherwise required by the Contract Documents, shall be seeded, fertilized and mulched to create a protected condition. Critical areas shall be sodded as approved by the Engineer/Architect and as shown on the Landscape Plans.
  - 2. Seeding and mulching shall be performed immediately upon completion of a phase or section of the Work or as approved by the Engineer/Architect.
  - 3. In all cases, seeding and mulching shall be performed within (30) days from the time the area was first disturbed.
  - 4. During any period of time which the soil is unprotected, provide erosion control structures as necessary to minimize erosion and to keep any eroded soils on the site and out of ditches, rivers, storm sewers and wetlands.
- B. Seed: Seed shall be applied uniformly at a minimum rate of 220 pounds per acre.

- C. Fertilizer: Fertilizer shall be applied uniformly at a minimum rate of 300 pounds per acre.
- D. Mulch: Mulch shall be uniformly applied at a rate of 2000 pounds per acre, or equal.

### 3.3 Ditch and Rivers

- A. When reasonably possible, banks of ditches and rivers disturbed under this Work shall be protected within (24) hours of disturbance, but in no case shall banks be left unprotected more than seven (7) days.

### 3.4 Steep Slopes

#### A. Emulsion

- 1. On slopes greater than 20%, but not immediately adjacent to a stream or ditch, use erosion control blankets to hold seed in place.

- B. Other methods: Chemical self-adhering mulch and other mulch anchoring methods may be used as approved by the Engineer/Architect. Turf reinforcement matting may also be used.

### 3.5 Site Improvements Construction

- A. During construction of the site improvements conform to the following general rules:
  - 1. Minimize the amount of earth disturbed at any one time.
  - 2. Establish a construction sequence which includes adequate erosion control.
  - 3. Provide ground cover, even if only temporary, so as to stabilize an area and minimize erosion.
  - 4. As much as practicable, direct storm water away from the construction area. Direct diverted storm water to any stable area.
  - 5. Collect runoff from the site in sediment basins, traps or through filters.

6. Establish an inspection and maintenance schedule, paying special attention to the beginning of the various stages of construction. Employ a certified storm water operator and keep a log of the soil erosion and sedimentation control measures in accordance with the NPDES requirements.
7. Keep in mind that the primary objective is to keep the soil on the site.
8. Once final stabilization of the site is complete, and the governing agency has granted its approval, remove all temporary erosion control structures.

### 3.6 Cleaning

- A. Perform cleaning of all areas affected by work under this section and leave the site in a neat and tidy state. Contractor shall keep Adjacent Roads clean and free of debris.

END OF SECTION 02270

SECTION 02300 - EARTHWORK

PART 1 - GENERAL

1.1 Related Documents

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 Summary

- A. This Section includes the following:
  - 1. Preparing subgrades for walks, pavements, lawns, and plantings.
  - 2. Proof rolling subgrade.
  - 3. Backfilling for demolished utilities and structures including elevator pit within demolished building lines.
  - 4. Subbase course for concrete walks and pavements.
- B. Related Sections include the following:
  - 1. Comply with Division 1 requirements.
  - 2. Section 02220 "Demolition" for removal of existing building, foundations including mechanical and electrical utilities within the building lines and/or as noted.
  - 3. Section 02230 "Site Clearing" for site stripping, grubbing, removing topsoil and trees, and protecting trees indicated to remain.

4. Sections 02950 "Topsoil" and 02951 "Landscape Restoration" for finish grading, including placing and preparing topsoil for lawns and plantings.
5. Section 02752 "Concrete Sidewalk, Driveways, Curbs & Gutters" for granular fill under site concrete.

### 1.3 Definitions

- A. Delete definitions not required. Revise to suit office or local earthwork practices.
- B. Backfill: Soil materials used to fill an excavation.
- C. Base Course: Layer placed between the subbase course and asphalt paving.
- D. Bedding Course: Layer placed over the excavated subgrade in a trench before laying pipe.
- E. Borrow: Satisfactory soil imported from off-site for use as fill or backfill.
- F. Revise title in paragraph below to "Capillary Water Barrier" or a similar title if required.
- G. Drainage Course: Layer supporting slab-on-grade used to minimize capillary flow of pore water.
- H. Excavation: Removal of material encountered above subgrade elevations.
- I. Fill: Soil materials used to raise existing grades.
- J. Rock: Rock material in beds, ledges, unstratified masses, and conglomerate deposits and boulders of rock material 3/4 cu. yd. (0.57 cu. m) or more in volume.
- K. Structures: Buildings, footings, foundations, retaining walls, slabs, tanks, curbs, mechanical and electrical

appurtenances, or other man-made stationary features constructed above or below the ground surface.

- L. Subbase Course: Layer placed between the subgrade and base course for asphalt paving, or layer placed between the subgrade and a concrete pavement or walk.
- M. Subgrade: Surface or elevation remaining after completing excavation, or top surface of a fill or backfill immediately below subbase, drainage fill, or topsoil materials.
- N. Utilities include on-site underground pipes, conduits, ducts, and cables, as well as underground services within buildings.

#### 1.4 SUBMITTALS

- A. Test Reports: Testing laboratory shall submit the following reports directly to the Architect/Engineer and shall copy the contractor:
  - 1. Analysis of soil materials, whether procured on or off site, and including fill, backfill, and borrow materials.
  - 2. In-place density test reports.
  - 3. Moisture-density relationship test reports.
  - 4. Compressive strength or bearing test reports.
- B. Material Test Reports: From a qualified testing agency indicating and interpreting test results for compliance of the following with requirements indicated:
  - 1. Classification according to ASTM D 2487 of each on-site or borrow soil material proposed for fill and backfill.

## 1.5 QUALITY ASSURANCE

### A. Testing Laboratory Services

1. The Owner will secure and pay for the services of a qualified, independent geotechnical engineer to classify existing soil materials, to recommend and to classify proposed borrow materials when necessary, to verify compliance of materials with specified requirements, and to perform required field and laboratory testing. Geotechnical engineer shall be acceptable to the Architect/Engineer and the owner and shall be licensed to practice in the state in which the project is located.

- B. Pre-excavation Conference: Conduct conference at Project site to comply with Division 1 requirements.

## 1.6 Project Conditions

- A. Existing Utilities: Locations of existing utilities shown on the demolition plans are approximate and may not be indicative of all utilities present on the site. Coordinate work with utility companies obtaining all required permits and provide notification to utility companies prior to starting any work. Comply with utility companies requirements during demolition operations on site.

1. Do not disrupt public utilizes without permit from authority having jurisdiction. Maintain flow in existing utilities noted otherwise.
2. Notify Architect and Owner not less than (72) hours in advance of proposed utility interruptions.
3. Do not proceed with utility interruptions without Owner's written permission.
4. Contact MISS DIG before demolition work.
  - a. Protect sewers, drainage structures, manholes, water gate wells, hydrants, water mains, utility poles, overhead lines, underground conduits, underground cables, pavement, sidewalks and other



improvements outside the work area limits and/or those that are within the project site that are not indicated to be removed as indicated on the site demolition plan. Repair or replace structures, items and improvements designated to be protected but are damaged by Contractor operations at no cost to Owner.

- C. Demolish and completely remove from site existing underground utilities indicated to be removed. Coordinate with utility companies to shut off services if lines are active.

## PART 2 - PRODUCTS

### 2.1 Soil Materials

- A. General: Provide borrow soil materials without additional cost to Owner when sufficient satisfactory soil materials are not available from excavations. Contractor is responsible for making an independent calculation to determine if satisfactory soils must be imported.
- B. Satisfactory Soil Material (ASTM D 2487): Free of stones larger than 2 inches in any dimension, trash, debris, organic material, other objectionable material and classified as follows. For topsoil requirements, refer to Section 02951 "Landscape Restoration".
  - 1. GW (well-graded gravel).
  - 2. GP (poorly graded gravel).
  - 3. GM (silty gravel).
  - 4. SW (well-graded sand).
  - 5. SP (poorly graded sand).
  - 6. SM (silty sand).

C. Unsatisfactory Soil Material (ASTM D 2487):

1. GC (clayey gravel)
2. SC (clayey sand).
3. CL (lean clay).
4. ML (silt).
5. OL (organic clay).
6. OL (organic silt).
7. CH (fat clay).
8. MH (elastic silt).
9. OH (organic clay).
10. OH (organic silt).
11. PT (peat).

D. Backfill and Fill: Satisfactory soil materials.

E. Subbase: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, and natural or crushed sand; ASTM D 2940; with at least 90 percent passing a 1-1/2- inch (38-mm) sieve and not more than 12 percent passing a No. 200 (0.075-mm) sieve; or as noted on the Plans.

F. Base: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, and natural or crushed sand; ASTM D 2940; with at least 95 percent passing a 1-1/2-inch (38-mm) sieve and not more than 8 percent passing a No. 200 (0.075-mm) sieve; or as noted on the Plans.

- G. Engineered Fill: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, and natural or crushed sand; ASTM D 2940; with at least 90 percent passing a 1-1/2-inch (38-mm) sieve and not more than 12 percent passing a No. 200 (0.075-mm) sieve; or as noted on the Plans.
- H. Bedding: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, and natural or crushed sand; ASTM D 2940; except with 100 percent passing a 1-inch (25-mm) sieve and not more than 8 percent passing a No. 200 (0.075-mm) sieve; or as noted on the Plans.
- I. Drainage Fill: Washed, narrowly graded mixture of crushed stone, or crushed or uncrushed gravel; ASTM D 448; coarse-aggregate grading Size 57; with 100 percent passing a 1-1/2- inch (38-mm) sieve and 0 to 5 percent passing a No. 8 (2.36-mm) sieve; or as noted on the Plans.
- J. Filter Material: Narrowly graded mixture of natural or crushed gravel, or crushed stone and natural sand; ASTM D 448; coarse-aggregate grading Size 67; with 100 percent passing a 1-inch (25-mm) sieve and 0 to 5 percent passing a No. 4 (4.75-mm) sieve; or as noted on the Plans.
- K. Impervious Fill: Clayey gravel and sand mixture capable of compacting to a dense state.

### PART 3 - EXECUTION

#### 3.1 Preparation

- A. Protect structures, utilities, sidewalks, pavements, and other facilities from damage caused by settlement, lateral movement, undermining, washout, and other hazards created by earthwork and demolition operations.

- B. Protect subgrades and foundation soils against freezing temperatures or frost. Provide protective insulating materials as necessary.
- C. Provide erosion-control measures approved by agency having jurisdiction to prevent erosion or displacement of soils and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways.
- D. Subgrade is prone to disturbance during operations. Subgrade soils may also become disturbed due to ponding water and channeled construction traffic. Disturbed subgrade soils must be properly improved prior to placement of engineered fill.

### 3.2 Dewatering

- A. Prevent surface water and ground water from entering excavations, from ponding on prepared subgrades, and from flooding Project site and surrounding area.
- B. Protect subgrades from softening, undermining, washout, and damage by rain or water accumulation.
  - 1. Reroute surface water runoff away from excavated areas. Do not allow water to accumulate in excavations. Do not use excavated trenches as temporary drainage ditches.
  - 2. Install a dewatering system to keep subgrades dry and convey ground water away from excavations. Maintain until dewatering is no longer required.

### 3.3 Explosives

- A. Explosives: Do not use explosives.

### 3.4 Excavation, General

- A. General: Excavation includes the removal of any materials necessary to achieve the required subgrade elevations and includes reuse or disposal of such materials.
- B. Unnecessary Excavation: The expense of excavation of materials outside of limits indicated or ordered in writing by the Architect/Engineer and the correction thereof to the satisfaction of the Architect/Engineer shall be borne by the contractor.
1. Unnecessary excavation: Either place compacted fill or otherwise correct conditions, as required by the Architect/Engineer.
- C. Approval of Subgrade: Notify the Architect/Engineer when required elevations have been reached.
1. When required by the Architect/Engineer due to the unforeseen presence of unsatisfactory materials or other factors, perform additional excavation and replace with approved compacted fill material in accordance with the architect's instructions.
  2. Payment for unforeseen additional work will be made in accordance with established unit prices or, if none, in accordance with provisions for changes in the work. No payment will be made for correction of subgrades improperly protected against damage from freeze-thaw or accumulation of water, or for correction of otherwise defective subgrades.
- D. Excavation Stabilization: Slope faces of excavations to maintain stability in compliance with requirements of governing authorities. Do not use shoring and bracing where faces can be sloped.

3.5 Excavation for Walks and Pavements (where indicated)

- A. Excavate surfaces under walks and pavements to indicated cross sections, elevations, and grades.

3.6 Approval of Subgrade

- A. If Architect/Engineer determines that unsatisfactory soil is present, continue excavation and replace with compacted backfill or fill material as directed.

- 1. Additional excavation and replacement material will be paid for according to Contract provisions for changes in the Work.

- B. Proof roll subgrade with heavy pneumatic-tired equipment to identify soft pockets and areas of excess yielding. Do not proof roll wet or saturated subgrades.

- C. Reconstruct subgrades damaged by freezing temperatures, frost, rain, accumulated water, or construction activities.

3.7 Storage of Soil Materials

- A. Stockpile borrow materials and satisfactory excavated soil materials. Stockpile soil materials without intermixing. Place, grade, and shape stockpiles to drain surface water. Cover to prevent windblown dust.

- 1. Stockpile soil materials away from edge of excavations. Do not store within drip line of remaining trees.

3.8 Backfill

- A. Place and compact backfill in excavations promptly, but not before completing the following:

- 1. Surveying locations of underground utilities for record documents.

2. Inspecting and testing underground utilities.
3. Removing concrete formwork.
4. Removing trash and debris.
5. Removing temporary shoring and bracing, and sheeting.

### 3.9 FILL

- A. Preparation: Remove vegetation, topsoil, debris, unsatisfactory soil materials, obstructions, and deleterious materials from ground surface before placing fills.
- B. Plow, scarify, bench, or break up sloped surfaces steeper than 1 vertical to 4 horizontal so fill material will bond with existing material.
- C. Place and compact fill material in layers to required elevations as follows:
  1. Under grass and planted areas, use satisfactory soil material.
  2. Under walks and pavements, use satisfactory soil material.
  3. Over excavation area, filling in of basements, use engineered fill.

### 3.10 Moisture Control

- A. Uniformly moisten or aerate subgrade and each subsequent fill or backfill layer before compaction to within 2 percent of optimum moisture content.

1. Do not place backfill or fill material on surfaces that are muddy, frozen, or contain frost or ice.
2. Remove and replace, or scarify and air-dry, otherwise satisfactory soil material that exceeds optimum moisture content by 2 percent and is too wet to compact to specified dry unit weight.

### 3.11 Compaction of Backfills and Fills

- A. Place backfill and fill materials in layers not more than 8 inches (200 mm) in loose depth for material compacted by heavy compaction equipment, and not more than 4 inches (100 mm) in loose depth for material compacted by hand-operated tampers.
- B. Place backfill and fill materials evenly on all sides of removed structures to required elevations, and uniformly along the full length of each structure.
- C. Compact soil to not less than the following percentages of maximum dry unit weight according to ASTM D 698 and ASTM D 1557:
  1. Under removed structures and pavements, scarify and recompact top 12 inches (300 mm) of existing subgrade and each layer of backfill or fill material at 95 percent.
  2. Under walkways, scarify and recompact top 6 inches (150 mm) below subgrade and compact each layer of backfill or fill material at 95 percent.
  3. Under lawn or unpaved areas, scarify and recompact top 6 inches (150 mm) below subgrade and compact each layer of backfill or fill material at 85 percent.



### 3.12 Grading

- A. General: Uniformly grade areas to a smooth surface, free from irregular surface changes. Comply with compaction requirements and grade to cross sections, lines, and elevations indicated.
  - 1. Provide a smooth transition between adjacent existing grades and new grades.
  - 2. Cut out soft spots, fill low spots, and trim high spots to comply with required surface tolerances.
- B. Site Grading: Slope grades to direct water away from buildings and to prevent ponding. Finish subgrades to required elevations within plus or minus 1 inch (25 mm).

### 3.13 Subbase and Base Courses

- A. Under pavements and walks, place subbase course on prepared subgrade and as follows:
  - 1. Place base course material over subbase.
  - 2. Compact subbase and base courses at optimum moisture content to required grades, lines, cross sections, and thickness to not less than 95 percent of maximum dry unit weight according to ASTM D 1557.
  - 3. When thickness of compacted subbase or base course exceeds 6 inches (150 mm), place materials in equal layers, with no layer more than 6 inches (150 mm) thick or less than 3 inches (75 mm) thick when compacted.
- B. Pavement Shoulders: Place shoulders along edges of subbase and base course to prevent lateral movement. Construct shoulders, at least 12 inches (300 mm) wide, of satisfactory soil materials and compact simultaneously with each subbase and base layer to not less than 95 percent of maximum dry unit weight according to ASTM D 1557.

### 3.14 Field Quality Control

- A. Testing Agency: Owner will engage a qualified independent geotechnical engineering testing agency to perform field quality-control testing as set forth in Section 01400 "Quality Control"
- B. Allow testing agency to inspect and test any subgrades and each fill or backfill layer. Proceed with subsequent earthwork only after test results for previously completed work comply with requirements.
- C. Testing agency will test compaction of soils in place according to ASTM D 1556, ASTM D 2167, ASTM D 2922, and ASTM D 2937, as applicable.
- D. When testing agency reports that subgrades, fills, or backfills have not achieved degree of compaction specified, scarify and moisten or aerate, or remove and replace soil to depth required; recompact and retest until specified compaction is obtained.

### 3.15 Protection

- A. Protecting Graded Areas: Protect newly graded areas from traffic, freezing, and erosion. Keep free of trash and debris.
- B. Repair and reestablish grades to specified tolerances where completed or partially completed surfaces become eroded, rutted, settled, or where they lose compaction due to subsequent construction operations or weather conditions. Scarify or remove and replace soil material to depth as directed by Architect; reshape and recompact.
- C. Where settling occurs before Project correction period elapses, remove finished surfacing, backfill with additional soil material, compact, and reconstruct surfacing.

1. Restore appearance, quality, and condition of finished surfacing to match adjacent work, and eliminate evidence of restoration to the greatest extent possible.

D. Protect all existing trees, bushes, plants, etc. indicated to remain during construction activities.

### 3.16 Disposal of Surplus and Waste Materials

A. Disposal: Remove surplus satisfactory soil and waste material, including unsatisfactory soil, trash, and debris, and legally dispose of it off Owner's property. Contractor is responsible for making an independent calculation to determine if satisfactory soils must be exported.

END OF SECTION 02300

SECTION 02752 - CONCRETE SIDEWALKS, DRIVEWAYS, CURBS & GUTTERS

PART 1 - GENERAL

1.1 Related Documents

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division - 1 Specification sections, apply to work of this section. All paving work shall be done in accordance with MDOT's current Standard Specifications for Construction.

1.2 Description

- A. Provide products and perform Work in accordance with current American with Disabilities Act and Michigan Barrier Free Design Law and other requirements of agencies having jurisdiction.

1.3 Summary

- A. The work under this Section includes, but is not necessarily limited to, the furnishing and installation of all materials necessary for the construction of all sidewalks, sidewalk ramps, and concrete driveways, curbs and gutters, as indicated on the Drawings and Specifications. All materials and construction methods shall conform to MDOT's specifications for highway construction as well as any local municipality standards.
- B. Related Sections include the following:

- 1. Section 02300 "Earthwork."

1.4 Quality Assurance

- A. Use only personnel completely trained and experienced in installation of the materials.

1.5 Submittals

- A. Submit material certificates for concrete paving materials, which certify compliance with contract documents.
- B. Product data of materials proposed for the project.

PART 2 - PRODUCTS

2.1 Concrete and Related Materials

- A. Class: All concrete for curbs and gutters, sidewalks, and other slabs shall be MDOT Class 35P or P1 as noted on the project plans.

2.2 Aggregate Base and Sand Fill

- A. Aggregate base and sand fill shall conform to Section 2300 "Earthwork."

2.3 Other Materials

- A. All other materials, not specifically described but required for complete and proper installation of concrete pavements, walks, curbs and gutters, shall be as selected by the Contractor subject to review of the Engineer/Architect.

2.4 Concrete Mix Design

- A. Proportioning Normal Weight Concrete: Comply with ACI 211.1 recommendations.
- B. Concrete Strength: Establish required average strength for each type of concrete on the basis of field experience or trial mixtures, as specified in ACI 301.
  - 1. For trial mixtures method, employ independent testing agency acceptable to Architect for preparing and reporting proposed mix designs.
- C. Admixtures: Add acceptable admixtures as recommended in ACI 211.1 and at rates recommended by manufacturer.
- D. Coloring Agent: Where indicated, ASTM C979, synthetic mineral-oxide pigments or colored water-reducing admixtures; color stable, nonfading, and resistant to lime and other alkalis. Final colors shall be chosen and approved by the Architect.

E. Concrete Properties:

1. Compressive Strength, per ASTM C 39 at 28 days: 3500 psi (24.11 Mpa) minimum and as indicated or required.
2. Water-Cement Ratio: Maximum 45 percent by weight.
3. Total Air Content: 5.0 to 8.5 percent.
4. Maximum Slump: 3 inches (75 mm).
5. Maximum Aggregate Size: 1.5 inch (38 mm).

2.5 Mixing

- A. Transit Mixers: Comply with ASTM C 94.

2.6 Reinforcement

- A. Reinforcing Steel: ASTM A 615/A 615M Grade 60 (420); deformed billet steel bars; unfinished finish.
- B. Welded Steel Wire Fabric: Plain type, ASTM A 185; in flat sheets; unfinished.
- C. Dowels: ASTM A 615/A 615M Grade 60 (420); deformed billet steel bars; unfinished finish.

PART 3 - EXECUTION

3.1 Surface Conditions

A. Inspection

1. Carefully inspect the installed work of all other trades and verify that all such work is complete to the point where concreting installation may commence.
2. Verify that all work will be installed in accordance with all pertinent codes and regulations, the design and referenced standards.
3. In the event of discrepancy, immediately notify the Engineer/Architect.

### 3.2 Earthwork

- A. General: All earthwork shall be performed in accordance with Section 02300 "Earthwork."
- B. Backfilling:
  - 1. After the concrete has set sufficiently, the spaces on both sides of the curb, gutter, and combined curb and gutter shall be backfilled, and the materials compacted and left in a neat condition.
  - 2. Curbs and gutters to be used in the construction of asphalt pavements shall be backfilled prior to placement of base material.

### 3.3 Installation

- A. Thickness: Except as otherwise indicated on the Drawings, sidewalks and driveways shall have the following minimum thicknesses.
  - 1. Sidewalks: 4" minimum in all locations, or thicker as indicated.
  - 2. Concrete driveways: 8" minimum, or thicker as indicated.
  - 3. Concrete dumpster pads: 8" minimum, or thicker as indicated.
  - 4. Do not place concrete when base surface temperature is less than 40 degrees F (14 degrees C) or surface is wet or frozen.
- B. Materials: All concrete sidewalks, driveways, curbs and gutters, and driveways shall be constructed with Class 35P concrete, unless noted for greater requirements.
- C. Forming
  - 1. Forms shall be of metal and of an approved section. They shall be straight, free from distortions, and shall show no vertical variation greater than 1/8" in 10' and shall show no lateral variations greater than 1/4" in 10' from the true plain surface of the vertical face of the form.

2. They shall be of the full depth specified for the sidewalk or driveway and shall be securely held in place true to line and grade.
  3. Sidewalks shall pitch toward the center of the street at a rate of 1/4" per foot of width.
  4. Wood forms may be used for short lengths of sidewalk or driveway which are less than 20' in length.
  5. Where wooden forms are used, they shall be free from warp and not less than 2" wide, and the nominal depth of the structure.
  6. All mortar and dirt shall be removed from the forms that have been used before using again, and all forms shall be thoroughly oiled or wetted before any concrete is deposited.
  7. Stakes to support the forms shall be set at least every 48" on center.
- D. Expansion joints: Install preformed expansion joints where sidewalks and driveways abut other structures, such as curbs, sidewalks and driveways, and at intervals of 50' maximum or closer as otherwise approved by the Engineer/Architect. All expansion joints shall be sealed.
- E. Contraction joints: Provide weakened plane contraction joints, sectioning concrete into areas as shown on drawings, or if not shown, at a maximum spacing of ten feet in all directions. Construct contraction joints for a depth equal to at least  $\frac{1}{4}$  of the thickness of the concrete, as follows:
1. Tooled joints: Form contraction joints in fresh concrete by grooving and finishing each edge of joint with a radius jointer tool.
  2. Sawed joints: Form contraction joints with power saws equipped with shatterproof abrasive or diamond-rimmed blades. Cut 1/8" wide joints into hardened concrete when cutting action will not tear, abrade, or otherwise damage surface.



F. Finishing

1. Strike off the surface with a template, and finish the surface with a wood float using heavy pressure, after which, contraction joints shall be made and the surface finished with a wood float or steel trowel.
2. Contraction joints shall be at least 1/4 the depth of the slab and shall be made at intervals equal to the width of sidewalks and at least every 10' for driveways, unless otherwise approved by the Engineer/Architect.
3. Finish edges with an approved finishing tool having a 1/2" radius.
4. Provide a final broom finish by lightly combing with a stiff broom after troweling is complete.
5. Provide heavy broom finish at slopes and ramp areas.

G. Concrete curing

1. After finishing operations have been completed and immediately after the free water has left the surface, the surface of the slab shall be completely coated and sealed with a uniform layer of white membranous curing compound.
2. The compound shall be applied in one or two applications. When the compound is applied in two increments, the second application shall follow the first application within (30) minutes.
3. The compound shall be applied in a continuous uniform film by means of an automatic self-propelled, pressure sprayer as approved by the Engineer/Architect at the rate directed by the Engineer/Architect, but not less than one gallon per 200 square feet of surface.
4. The equipment shall provide adequate stirring of the compound during application.

5. Should the method of applying the compound not produce a uniform film, its use shall be discontinued, and the curing shall be by another method acceptable by the Engineer/Architect.

H. Protection

1. Provide and use sufficient coverings for the protection of the concrete in case of rain or breakdown of curing equipment.
2. Provide necessary barricades and lights to protect the work and rebuild or repair to the approval of the Engineer/Architect, all damage caused by people, vehicles, animals, rain, the Contractor's operations and the like at no additional expense to the Owner.

I. Driveway and sidewalk ramp openings

1. Provide driveway openings of the widths and at locations as indicated on the Drawings and directed by the Engineer/Architect.
2. Provide sidewalk ramp openings as indicated on the Drawings and as directed by the Engineer/Architect, and in accordance with ADA requirements.

J. Curb machines

1. Mechanical curb machines for placing and finishing curbs and gutters will be permitted provided the required cross-section and finish is obtained.
2. If the cross-section and finish does not meet the approval of the Engineer/Architect, the use of curb machines shall be discontinued and the curbs and gutters constructed as otherwise herein specified.

3.4 Patching

- A. Inspect, patch, and repair all damaged concrete areas.

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3.5 Cleaning

- A. Clean all curbs and gutters and related structures and leave the site in a neat and clean condition.

END OF SECTION 02752

SECTION 02925 - CLEANUP AND RESTORATION

PART 1 - GENERAL

1.1 DESCRIPTION

- A. The Contractor shall restore areas disturbed by construction activities to a condition reasonably close to their condition before the project, unless shown otherwise on the plans. Restoration work should be performed as soon as possible after construction work is completed in a particular area.
- B. Upon the completion of work in an area, all excess materials, debris, equipment, and similar items shall be removed from the project area by the Contractor, and disposed of properly.

PART 2 - MATERIALS

Not Applicable.

PART 3 - EXECUTION

3.1 RESTORATION

- A. Unless otherwise provided; temp. or existing aggregate surfaces, bituminous pavements, and concrete pavements shall be restored by construction of similar replacement surfaces, unless noted otherwise. Temp. aggregate surfaces shall be replaced with turf unless noted otherwise per Section 029581 "Landscape Restoration". Bituminous pavement shall be replaced with construction to match existing asphalt type, thickness and base. Properly compacted and placed to meet MDOT Specs. Concrete pavement shall be replaced with pavement in accordance with the specification for Concrete Sidewalks, Driveways, Curbs and Gutters.

- B. Turf areas shall be restored by re-establishing the turf as described in the Specification Section 02951 "Landscape Restoration". All areas disturbed by construction that are not to be surfaced with aggregate or pavement shall be restored with turf, unless otherwise directed.
- C. Mailboxes, fences, signs, ornaments, and similar items not indicated to be removed, shall be replaced at the completion of construction. Posts shall be installed plumb. Items that are lost or stolen shall be repaired or replaced at the Contractor's expense. Repairs or replacements shall meet the Owner's approval.

### 3.2 TEMPORARY RESTORATION OF DRIVING SURFACES

- A. Where a pavement or gravel surface is removed as a result of construction activities, a temporary surface shall be provided and maintained by the Contractor until the permanent surface is provided. Unless otherwise directed, the temporary surface shall be twelve inches of aggregate compacted to at least 95 percent of its maximum density (ASTM D1557) and graded to meet the adjacent, remaining surfaces. Aggregate shall meet the requirements of Series 23A as described in the Michigan Department of Transportation Specifications.
- B. The Contractor shall regrade the temporary surface and add additional aggregate at intervals necessary to maintain them in a relatively smooth condition.

END OF SECTION 02925

SECTION 02950 - TOPSOIL

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Extent of Topsoil Work is shown on drawings and by provisions of this section.
- B. Topsoil for lawn work shall be as stripped from site or provided by contractor from off-site sources free of herbicides.
- C. Related work specified elsewhere:
  - 1. Section 02300 "Earthwork"
  - 2. Section 02951 "Landscape Restoration"
  - 3. Section 02953 "Landscape Maintenance and Warranty Standards"

1.3 QUALITY ASSURANCE

- A. Testing and Inspection: For supplied or stockpiled topsoil. Performed by a qualified independent testing laboratory, under the supervision of a registered professional engineer, specializing in soils engineering. Obtain samples from interior of stockpiled topsoil.
- B. Soil originating from corn fields shall not be used unless the fields have not grown corn for a minimum of two (2) years. Soil testing must verify the levels of dangerous elements in the soil. Soil testing results shall be reviewed by the Architect prior to topsoil being delivered to the site.

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- C. Provide and pay for testing and inspection during topsoil operations. Laboratory, inspection services and Soils Engineer shall be acceptable to the Architect.
  - 1. Recommended testing laboratory:  
A & L Agricultural Laboratories, Inc.  
3505 Conestoga Drive  
Fort Wayne, IN 46808  
(219) 483-4759
- D. Test representative material samples for proposed use.
- E. Topsoil: (Supplied and Stockpiled - See Materials 2.1)
  - 1. pH factor
  - 2. Lime requirement
  - 3. Mechanical analysis (P.K. Ca. mg) and cation ratios
  - 4. Percentage of organic content and loss of ignition
  - 5. Soil series classification
  - 6. Clay content
  - 7. Herbicide residue
- F. Recommendations on type and quantity of additives required to establish satisfactory pH factor and supply of nutrients to bring nutrients to satisfactory level for planting.
- G. Submit test reports.

1.4 PROJECT CONDITIONS

- A. Known underground and surface utility lines are indicated on the drawings.
- B. Protect existing trees, plants, lawns and other features designated to remain as part of the landscaping work.
- C. Promptly repair damage to adjacent facilities caused by topsoil operations.
- D. Promptly notify the Architect of unexpected sub-surface conditions.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Topsoil: Supplied or stockpiled topsoil proposed for use must meet testing criteria results specified and conform to adjustments as recommended by soil test and Architect.
- B. Existing Topsoil: Existing topsoil from on-site stockpile shall be utilized. All processing, screening, cleaning and preparation of this stored topsoil to render it acceptable for use is the responsibility of the Contractor.
- C. Provide additional topsoil as required to complete job. Topsoil must meet testing criteria results specified. All processing, cleaning and preparation of this stored topsoil to render it acceptable for use is the responsibility of this Contractor.
- D. Supplied or stockpiled topsoil shall be fertile, friable and representative of local productive soil, capable of sustaining vigorous plant growth and screened free of clay lumps, subsoil, noxious weeds or other foreign matter such as stones greater than 1" in diameter in any dimension, roots, sticks and other extraneous materials not frozen or muddy. pH of existing or supplied soil to range between 5.0 and 7.5. Adjusted to not more than 7.0 by additives as required by soil test. Topsoil shall contain not less than 3% and not greater than 10% organic matter. Clay content as determined by Bouyoucous Hydrometer Test shall range between 5 and 15 percent. Mechanical analysis as follows:

PASSING	RETAINED ON	PERCENTAGE
1" Screen	100%	
1" Screen	¼" screen (gravel)	Not more than 3%
¼" Screen	No. 140 USS Mesh Sieve	40-60%
No. 140 USS	Percentage based on dry weight of the samples	30-35% (Very fine sand, silt & clay)



PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine rough grades and installation conditions. Do not start topsoil work until unsatisfactory conditions are corrected.

3.2 FINISH GRADING

- A. Perform topsoiling within contract limits, including adjacent transition areas, to new elevations, levels, profiles, and contours indicated. Provide uniform levels and slopes between new elevations and existing grades.
- B. Grade surfaces to assure areas drain away from building structures and to prevent ponding and pockets of surface drainage.
- C. Lawn Areas: Supply and spread topsoil to a minimum uniform depth as noted on the plans and in related specification sections. Incorporate into existing subsoil by disc, rototill or other approved method to a minimum 6" depth. No layering of soils is to exist after tilling. Remove clumps larger than 1" in diameter.
- D. Grade lawn areas to a smooth, free draining even surface with a loose, moderately coarse texture ready to accept seed or sod.
- E. For trees, shrubs, ground cover beds and backfill for beds see Trees, Plants and Ground Cover Section.
- F. Provide earth crowning where indicated on drawings.
- G. Crowning/mounding to be free flowing in shape and design, as indicated, and to blend into existing grades gradually so that toe of slope is not readily visible. Architect to verify final contouring before planting.
- H. Regardless of finish grading elevations indicated, it is intended that grading be such that proper drainage of surface water will occur and that no low areas are created to allow ponding. Contractor to consult with Owner or Architect regarding minor variations in grade elevations before rough grading is completed.

3.3 LAWN ESTABLISHMENT

- A. Establish dense lawn of permanent grasses, free from lumps and depressions. Any area failing to show uniform germination to be reseeded; continue until dense lawn established. Damage to seeded area resulting from erosion to be repaired by Contractor. Scattered bare spots over 5 percent now allowed.
- B. In event contractor does not establish dense lawn during germination period, return to project to refertilize and reseed to establish dense lawn.
- C. Should the seeded lawn become largely weeds after germination, Contractor is responsible to kill the weeds and reseed the proposed lawn areas to produce a dense turf, as specified.

3.4 CLEANING

- A. Upon completion of topsoiling operations, clean areas within contract limits, remove tools and equipment. Site shall be clear, clean, free of debris and suitable for site work operations.

END OF SECTION 02950

SECTION 02951 LANDSCAPE RESTORATION

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Soil Materials and Preparation
- B. Restoration of Lawns (Seeding)
- C. Restoration of Lawns (Sod - Contractor's Option)
- D. Planting Mixes

1.2 REFERENCES

- A. FS O-F-241 - Fertilizers, Mixed, Commercial
- B. American Standard for Nursery Stock ANSI 260.1-2004

1.3 QUALITY ASSURANCE

- A. Subcontract the landscape work to a single firm specializing in landscape work.
- B. Source Quality Control:
  - 1. General: Ship landscape materials with certificates of inspection as required by governmental authorities. Comply with governing regulations applicable to landscape materials.
  - 2. Do not make substitutions. If specified landscape material is not obtainable, submit to Architect proof of non-availability and proposal for use of equivalent material. When authorized, adjustment of contract amount will be made.
  - 3. Analysis and Standards: Package standard products with manufacturer's certified analysis. For other materials, provide analysis by recognized laboratory made in accordance with methods established by the Association of Official Agricultural Chemists, wherever applicable or as further specified.

4. Provide seed mixture in containers showing percentage of seed mix, year of production, net weight. Date of packaging and location of packaging.

#### 1.4 DELIVERY, STORAGE AND HANDLING

A. Deliver landscape materials in original, unopened and undamaged containers showing weight, analysis and name of manufacturer. Store in manner to prevent wetting and deterioration.

#### B. Plant Materials:

1. Sod: Time delivery so that sod will be placed within 24 hours after stripping. Protect sod against drying and breaking of rolled strips.

#### 1.5 COORDINATION

A. All disturbed areas shall be restored to a condition equal to or greater than the area's condition before the project began (i.e. lawns, existing; trees, plants and shrubs scheduled to remain).

B. Protect existing utilities, paving and other facilities from damage caused by landscaping operations.

C. Perform restoration work only after sitework has been completed and ground surface will not be affected.

1. Planting Schedules: Prepare a proposed planting schedule. Schedule the dates for each type of landscape work during the normal seasons for such work in the area of the site. Correlate with specified maintenance periods to provide maintenance until occupancy by the Owner. Once accepted, revise dates only as approved in writing, after documentation of reasons for delays.

PART 2 - PRODUCTS

2.1 SOIL MATERIALS

- A. Topsoil: Topsoil shall be free from roots, sticks, weeds, brush or stones larger than 1-in. in diameter or other litter or waste products. It shall be a loamy mixture having at least 90 percent passing a No. 10 sieve. A sample, free from extraneous materials, shall comply to the following requirements:
1. Organic Matter: Topsoil shall contain not less than 10 percent organic matter as determined by the test for organic matter, AASHTO T 194.
  2. Clay: The topsoil shall contain not less than 12 percent clay or more than 50 percent as determined in accordance with AASHTO T 88.
  3. Sand: The sand content shall not exceed 55 percent as determined in accordance with AASHTO T 88.
  4. pH: The pH of the sample shall not be less than 5.0 nor higher than 8.0. The pH shall be determined with an acceptable pH meter, on that portion of the sample passing a No. 10 sieve, in accordance with ASTM D-4972, pH of soils.
- B. Supplied or stockpiled topsoil shall be fertile, friable and representative of local productive soil, capable of sustaining vigorous plant growth and screened free of clay lumps, subsoil, noxious weeds or other foreign matter such as stones greater than 1" in diameter in any dimension, roots, sticks and other extraneous materials not frozen or muddy. pH of existing or supplied soil to range between 5.0 and 7.5. Adjusted to not more than 7.0 by additives as required by soil test. Topsoil shall contain not less than 3% and not greater than 10% organic matter. Clay content as determined by Bouyoucos Hydrometer Test shall range between 5 and 15 percent. Mechanical analysis as follows:

WARREN CONSOLIDATED SCHOOLS  
DEMOLITION OF  
VARIOUS STRUCTURES

231986

AUGUST 25, 2023

PASSING	RETAINED ON	PERCENTAGE
1" Screen	100%	
1" Screen	¼" screen (gravel)	Not more than 3%
¼" Screen	No. 140 USS Mesh Sieve	40-60%
No. 140 USS	Percentage based on day weight of the samples	30-35% (Very fine sand, silt & clay)

C. If sufficient topsoil is not available at the Site or the Landscape Contractor elects the option to secure topsoil elsewhere, the Landscape Contractor must receive the Owner's approval of material in writing prior to securing topsoil. All topsoil secured off Site must meet other requirements of this Section.

## 2.2 SEED MIXTURES

A. Lawn Seed: Fresh, clean and new crop proportioned by weight as follows:

	MIX	MIN. GERMINATION	MIN. PURITY
Perennial Ryegrass	20%	85%	96%
Kentucky Bluegrass	30%	85%	98%
Creeping Red Fescue	50%	85%	97%

## 2.3 SOIL AMENDMENTS

- A. Lime: Natural limestone containing not less than 85% of total carbonates, ground so that not less than 90% passes a 10-mesh sieve, and not less than 50% passes a 100-mesh sieve.
- B. Peat Humus: FS Q-P-166 and with the texture and ph range suitable for the intended use.
- C. Bonemeal: Commercial, raw, finely ground, 4% nitrogen and 20% phosphoric acid.

- D. Superphosphate: Soluble mixture of treated minerals; 20% available phosphoric acid.
- E. Commercial Fertilizer: Complete fertilizer of neutral character with some elements derived from organic sources and containing the following percentages of available plant nutrients:
  - 1. For existing trees, provide fertilizer with not less than 10% available phosphoric acid and from 3% to 5% total nitrogen, and from 3% to 5% soluble potash.
  - 2. For lawns, provide fertilizer with not less than 4% phosphoric acid and not less than 2% potassium, and the percentage of nitrogen required to provide not less than 1 lb. of actual nitrogen per 1000 sq.ft. of lawn area.  
Provide nitrogen in a form that will be available to the lawn during the initial period of growth.

#### 2.4 MISCELLANEOUS LANDSCAPE MATERIALS:

##### A. Lawn

- 1. Wood fiber mulch slurry, 1200 lbs fiber per acre.
- 2. Fertilizer: Water soluble 20-20-20 composition.

### PART 3 - EXECUTION

#### 3.1 EXAMINATION

- A. Examine finish surface and grades. Do not start landscape restoration work until all unsatisfactory conditions are corrected.

#### 3.2 PREPARATION OF SUBSOIL

- A. Prepare sub-soil to eliminate uneven areas and low spots. Maintain lines, levels, profiles and contours. Make changes in grade gradual. Blend slopes into level areas.

- B. Remove foreign materials, weeds and undesirable plants and their roots. Remove contaminated sub-soil.

### 3.3 PLACING TOPSOIL

- A. For Trees, Plants and Ground Cover: Spread topsoil to a minimum depth of 6 inches over area to be planted. Rake smooth and free of debris.
- B. For Seeding/Sodding Lawns: Spread topsoil to a depth of 3 inches over area to be seeded/sodded. Rake smooth and free of debris.

### 3.4 HYDROSEEDING

- A. Seeding operations shall take place between March 15 and June 15 under favorable climatic conditions or August 15-September 15.
- B. Treat all grassy or weedy areas with an organic weed killer acceptable to the Owner to eliminate existing vegetation. Wait 7-10 days, then apply a second application of the organic weed killer and wait another 7 days until planting.
- C. Scarify ground with rake as necessary immediately before sowing seed to provide smooth, even grade and friable seed bed.
- D. Use a hydromulcher (sprayer) and apply mixture(s) at the following rate. Mix in accordance with manufacturer's recommendations.
- E. Apply hydroseed slurry to indicated areas. Use tackifier only on erosion prone areas. Apply fertilizer with hydro mix.

Seed: At specified seeding rates (220 pounds per acre)  
Fertilizer: 300 pounds per acre  
Tackifier: 60 gallons per acre  
Wood Cellulose Fiber Mulch: 1200 lbs fiber per acre.

- F. Use care so as not to get hydroseed materials on buildings, walks, roadways, plant beds, etc.



3.5 SODDING

- A. Installation of sod shall occur between the dates indicated in the current MDOT standard specifications for construction, unless written authorization is given by the owner or owner's representative.
- B. Sod shall be placed in areas where sod had existed prior to the project beginning.
- C. Stagger sod rolls so that seams alternate. Roll sod to eliminate air pockets.

3.6 MISCELLANEOUS LANDSCAPE WORK:

- A. Place wood chip mulch beds where shown. Compact soil sub grades and lay 6 mil carbonated polyethylene film over compacted subgrade prior to placing mulch.

3.7 ACCEPTANCE

- A. Architect shall inspect work upon written request of the Landscape Contractor after completion of 60-day establishment maintenance period.
- B. Acceptance of plant material shall be for conformance to specified size, character, and quality and shall not relieve the Landscape Contractor of responsibility for full conformance to Contract Documents including correct species.
- C. Acceptance in part: Portions of lawns may be accepted in part upon Architect's approval. Lawn areas at the different sites may be accepted exclusive of each other in best interest of Owner.
- D. The Landscape Contractor is responsible for watering of hydroseed and sod until acceptance by Architect/Owner.
- E. Establish dense lawn of permanent grasses, free from lumps and depressions. Any area failing to show uniform germination to be reseeded; continue until dense lawn established. Damage to seeded area resulting from erosion to be repaired by the Landscape Contractor. Scattered

bare spots less than 5 percent of the total area is acceptable.

- F. In event the Landscape Contractor does not establish dense lawn during germination period, return to project to refertilize and reseed to establish dense lawn.
- G. Should the seeded lawn become largely weeds after germination, the Landscape Contractor is responsible to kill the weeds and reseed the proposed lawn areas to produce a dense turf, as specified.

### 3.8 CLEANUP

- A. Perform cleaning during installation of the work and upon completion of the work to the approval of the Architect. Remove from site all excess materials, debris and equipment. Repair damage resulting from seeding operations. Clean all areas where overspray has occurred from hydroseeding operations.

END OF SECTION 02951

SECTION 02953 - LANDSCAPE MAINTENANCE AND WARRANTY STANDARDS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS:

- A. Attention is directed to Bidding and Contract Requirements, and to General and Supplemental Conditions, hereby made a part of this Section.

1.02 DESCRIPTION OF WORK:

- A. The requirements of this Section include a one year warranty period from date of acceptance of installation.

- B. Related Work Specified Elsewhere:

- 1. Section 02951: "Landscape Restoration".

1.03 ACCEPTANCE OF INSTALLATION:

- A. At the completion of all landscape installation, or pre-approved portions thereof, the Landscape Contractor shall request in writing an inspection for acceptance of installation in which the Landscape Contractor, Architect/Engineer and Owner shall be present. After this inspection a "Punch List" will be issued by the Architect/Engineer. The Architect/Engineer and Owner shall re-inspect the project and issue a written statement of acceptance of installation and establish the beginning of the project warranty period.
- B. Landscape work may be inspected for acceptance in parts agreeable to the Owner and Architect/Engineer provided work offered for inspection is complete, including maintenance as required.
- C. For work to be inspected for partial acceptance, the Landscape Contractor shall provide a drawing outlining work completed, and supply a written statement requesting acceptance of this work completed to date.

1.04 PROJECT WARRANTY:

- A. The project warranty period begins upon written acceptance of the project installation by the Architect/Engineer and Owner.

- B. The Landscape Contractor shall guarantee seeded areas through construction and for a period of one year after date of acceptance of installation against defects including death and unsatisfactory growth, except for defects resulting from neglect by Owner, abuse or damage by others, or unusual phenomena or incidents which are beyond the Landscape Contractor's control.

1.05 MAINTENANCE:

- A. To insure guarantee standards, the following maintenance procedures shall be executed during construction and for the full project warranty period.
- B. Maintenance of Hydro-Seeded Lawn Areas:
  - 1. The Landscape Contractor shall establish a dense lawn of permanent grasses, free from lumps and depressions or any bare spots, none of which is larger than one foot of area up to a maximum of 3% of the total hydro-seeded lawn area. Any part of the hydro-seeded lawn that fails to show a uniform growth and/or germination shall be reseeded until a dense cover is established.
  - 2. If hydro-seeded in fall or if not considered acceptable at that time, continue maintenance the following spring until acceptable lawn is established.
  - 3. The Landscape Contractor shall provide a minimum of two cuttings of the lawn or more as necessary until the inspection and acceptance of installation by the Construction Manager, Owner and Architect/Engineer. When the lawn reaches 3 inches in height it shall be cut to 2 inches in height. When meadow lawn reaches 6" in height it shall be cut to 4" in height.
  - 4. The Owner assumes cutting responsibilities following the acceptance of installation by the Owner and the Architect/Engineer.
  - 5. After acceptance of installation, and for the duration of the project warranty period the Landscape Contractor shall continue all other maintenance procedures including fertilizing and weeding, and other operations such as rolling, regrading, replanting, and applying herbicides, fungicides, insecticides as required to establish a smooth, acceptable lawn free of eroded or bare areas.

6. Repair, rework, and reseed all areas that have washed out, and eroded, or do not substantially germinate.
7. At conclusion of project warranty period and after receiving written final acceptance by the Owner and Architect, the Owner shall assume all seeded lawn maintenance responsibilities.

1.06 FINAL ACCEPTANCE:

- A. At the conclusion of the project warranty period the Landscape Contractor shall request a project inspection for final acceptance in which the Landscape Contractor, Architect/Engineer and Owner shall be present. After this inspection a "Punch List" will be issued by the Architect/Engineer. Upon completion of all punch list items, the Architect/Engineer and Owner shall reinspect the project and issue a written statement of final acceptance. Upon final acceptance the Owner assumes all maintenance responsibilities for the landscape of the project.

PART 2 AND 3 - PRODUCTS AND EXECUTION

Not Applicable.

END OF SECTION 02953