



Division of Finance and Business Operations

Wayne State University
Renovation of 5447 Woodward for Social Work – Abatement
WSU Project Number 063-233732
Prevailing Wage Work

FOR:

Board of Governors
Wayne State University
Detroit, Michigan

Owner's Representative:

Nancy Milstein, Project Manager
Facilities Planning & Management
Design & Construction Services
5454 Cass
Wayne State University
Detroit, Michigan 48202

Owner's Agent:

Valerie Kreher, Senior Buyer
WSU – Procurement & Strategic Sourcing
5700 Cass, Suite 4200
Detroit, Michigan 48202
313-577-3720 / 313-577-3747 fax
rfpteam2@wayne.edu

Consultant:

EKS Services Incorporated
7451 Third Street
Detroit MI 48202

February 19, 2015

TABLE OF CONTENTS

Title Page	00001-1
Table of Contents	00002-1
Division 0 - Bidding Requirements, Contract Forms, and Conditions of the Contract	
00005 Information for Bidders	00005-1 thru 00005-2
00100 Instructions to Bidders	00100-1 thru 00100-5
00250 Notice of Pre-Bid Conference	00250-1 thru 00250-2
00300 Form of Proposal & Qualification Statement	00300-1 thru 00300-7
00410 Prevailing Wage Rate Schedule	00410-1 thru 00410-3
00430 Payment Package Document Requirements	00430-1
00500 Agreement between Contractor and Owner for Construction	00500-1 thru 00500-9
00510 Form of Guarantee	00510-1
00700 General Conditions (A.I.A. A-201)	00700-1
00800 WSU Supplementary General Conditions of the Contract for Construction	00800-1 thru 00800-12
00850 Drawings	00850-1
DI1.0 INDEX OF DRAWINGS	December 19, 2014
AG0.1 GENERAL NOTES AND DETAILS	December 19, 2014
AG0.2 GENERAL SYMBOLS AND ABBREVIATIONS	December 19, 2014
AG1.0 CODE SUMMARY	December 19, 2014
AG1.1 LOWER LEVEL LIFE SAFETY PLAN	December 19, 2014
AG1.2 FIRST LEVEL LIFE SAFETY PLAN	December 19, 2014
AG1.3 SECOND LEVEL LIFE SAFETY PLAN	December 19, 2014
AD0 LOWER LEVEL DEMOLITION PLAN	December 19, 2014
AD1 FIRST LEVEL DEMOLITION PLAN	December 19, 2014
AD2 SECOND LEVEL DEMOLITION PLAN	December 19, 2014
A0.0 ALTERNATE KEY PLANS	December 19, 2014
A1.0 LOWER LEVEL FLOOR PLAN	December 19, 2014
A1.1 FIRST LEVEL FLOOR PLAN	December 19, 2014
A1.2 SECOND LEVEL FLOOR PLAN	December 19, 2014
A1.3 ROOF PLAN	December 19, 2014
A2.0 LOWER LEVEL REFLECTED CEILING PLAN	December 19, 2014
A2.1 FIRST LEVEL REFLECTED CEILING PLAN	December 19, 2014
A2.2 SECOND LEVEL REFLECTED CEILING PLAN	December 19, 2014
A6.1 ENLARGED TOILET ROOM PLANS & ELEVATIONS	December 19, 2014
A7.1.0 DOOR SCHEDULE	December 19, 2014
A7.4.1 PARTITION TYPES	December 19, 2014
A7.4.2 FRAMING DETAILS	December 19, 2014
A7.4.3 FIRESTOPPING AND PENETRATION DETAILS	December 19, 2014
A7.5.0 DETAILS / SECTIONS	December 19, 2014
A7.5.1 CEILING DETAILS	December 19, 2014
A7.5.2 STRUCTURAL DETAILS	December 19, 2014
A7.6.0 MILLWORK ELEVATIONS	December 19, 2014
A7.6.1 MILLWORK DETAILS	December 19, 2014
A7.6.2 MILLWORK DETAILS	December 19, 2014
A7.6.3 MILLWORK ELEVATIONS / TYP DETAILS	December 19, 2014

A7.7.1	MATERIAL INDEX	December 19, 2014
A7.7.2	ROOM FINISH SCHEDULE	December 19, 2014
A7.7.3	SIGNAGE SCHEDULE	December 19, 2014
A7.8.0	LOWER LEVEL FINISH PLAN	December 19, 2014
A7.8.1	FIRST LEVEL FINISH PLAN	December 19, 2014
A7.8.2	SECOND LEVEL FINISH PLAN	December 19, 2014
M0.1	MECHANICAL STANDARDS AND DRAWING INDEX	December 19, 2014
MD1.00	UNDERGROUND PLUMBING DEMOLITION PLAN	December 19, 2014
MD1.0	LOWER LEVEL MECHANICAL DEMOLITION PLAN	December 19, 2014
MD1.1	FIRST FLOOR MECHANICAL DEMOLITION PLAN	December 19, 2014
MD1.2	SECOND FLOOR MECHANICAL DEMOLITION PLAN	December 19, 2014
MD1.3	ROOF MECHANICAL DEMOLITION PLAN	December 19, 2014
M2.00	UNDERGROUND PLUMBING PLAN	December 19, 2014
M2.0	LOWER LEVEL PLUMBING PLAN	December 19, 2014
M2.1	FIRST FLOOR PLUMBING PLAN	December 19, 2014
M2.2	SECOND FLOOR PLUMBING PLAN	December 19, 2014
M2.3	ENLARGED PLUMBING PLANS	December 19, 2014
M3.0	LOWER LEVEL HVAC PIPING PLAN	December 19, 2014
M3.1	FIRST FLOOR HVAC PIPING PLAN	December 19, 2014
M3.2	SECOND FLOOR HVAC PIPING PLAN	December 19, 2014
M4.0	LOWER LEVEL SHEET METAL PLAN	December 19, 2014
M4.1	FIRST FLOOR SHEET METAL PLAN	December 19, 2014
M4.2	SECOND FLOOR SHEET METAL PLAN	December 19, 2014
M4.3	ROOF MECHANICAL PLAN	December 19, 2014
M6.1	MECHANICAL DETAILS	December 19, 2014
M6.2	MECHANICAL DETAILS	December 19, 2014
M6.3	MECHANICAL DETAILS	December 19, 2014
M6.4	MECHANICAL DETAILS	December 19, 2014
M7.1	MECHANICAL SCHEDULES	December 19, 2014
M7.2	MECHANICAL SCHEDULES	December 19, 2014
M7.3	MECHANICAL SCHEDULES	December 19, 2014
M7.4	MECHANICAL SCHEDULES	December 19, 2014
M7.5	MECHANICAL SCHEDULES	December 19, 2014
M7.6	MECHANICAL SCHEDULES	December 19, 2014
M8.1	TEMPERATURE CONTROL STANDARDS AND GENERAL NOTES	December 19, 2014
M8.2	TEMPERATURE CONTROLS	December 19, 2014
M8.3	TEMPERATURE CONTROLS	December 19, 2014
M8.4	TEMPERATURE CONTROLS	December 19, 2014
M8.5	TEMPERATURE CONTROLS	December 19, 2014
M8.6	TEMPERATURE CONTROLS	December 19, 2014
E0.1	ELECTRICAL STANDARDS AND DRAWING INDEX	December 19, 2014
E0.2	ELECTRICAL STANDARD SCHEDULES	December 19, 2014
E0.3	ELECTRICAL SITE PLAN	December 19, 2014
ED1.0	LOWER LEVEL ELECTRICAL DEMOLITION PLAN	December 19, 2014
ED1.1	FIRST FLOOR ELECTRICAL DEMOLITION PLAN	December 19, 2014
ED1.2	SECOND FLOOR ELECTRICAL DEMOLITION PLAN	December 19, 2014
ED1.3	ROOF ELECTRICAL DEMOLITION PLAN	December 19, 2014
E2.0	LOWER LEVEL LIGHTING PLAN	December 19, 2014
E2.1	FIRST FLOOR LIGHTING PLAN	December 19, 2014
E2.2	SECOND FLOOR LIGHTING PLAN	December 19, 2014
E3.0	LOWER LEVEL POWER AND AUXILIARY SYSTEMS PLAN	December 19, 2014
E3.1	FIRST FLOOR POWER AND AUXILIARY SYSTEMS PLAN	December 19, 2014
E3.2	SECOND FLOOR POWER AND AUXILIARY SYSTEMS PLAN	December 19, 2014
E3.3	ROOF POWER AND AUXILIARY SYSTEMS PLAN	December 19, 2014
E4.1	ENLARGED ELECTRICAL PLANS	December 19, 2014
E5.1	ONE LINE DIAGRAM	December 19, 2014
E5.2	PANEL SCHEDULES	December 19, 2014

E5.3	PANEL SCHEDULES	December 19, 2014
E7.1	ELECTRICAL DETAILS	December 19, 2014
E7.2	ELECTRICAL DETAILS	December 19, 2014
E8.1	TELECOMMUNICATION DETAILS	December 19, 2014
E8.2	TELECOMMUNICATION DETAILS	December 19, 2014
SC-FPL	LOWER LEVEL SECURITY PLAN	December 19, 2014
SC-FP1	FIRST LEVEL SECURITY PLAN	December 19, 2014
SC-FP2	SECOND LEVEL SECURITY PLAN	December 19, 2014
SC-R1	SECURITY RISER DIAGRAM	December 19, 2014
SC-R2	SECURITY RISER DIAGRAM	December 19, 2014
SC-R3	SECURITY RISER DIAGRAM	December 19, 2014

Division 1 - General Requirements

01000	General Requirements	01000-1 thru 01000-9
01010	Summary of Work (Includes Scope of Work)	01010-1

Technical Specifications

Asbestos Removal Specifications	February 16, 2015
---------------------------------	-------------------

INFORMATION FOR BIDDERS

OWNER: Board of Governors
Wayne State University

PROJECT: **Renovation of 5447 Woodward for Social Work – Abatement**
Project No. **063-233732**

LOCATION: Wayne State University
5447 Woodward
Detroit, Michigan 48202

OWNER'S AGENT: **Valerie Kreher, Senior Buyer**
WSU – Procurement & Strategic Sourcing
5700 Cass, Suite 4200
Detroit, Michigan 48202
313-577-3720 / 313-577-3747 fax
rfpteam2@wayne.edu

OWNER'S REPRESENTATIVE: **Nancy Milstein, Project Manager**
Facilities Planning & Management
Design & Construction Services
Wayne State University
5454 Cass Avenue
Detroit, Michigan 48202

Architect: **EKS Services Incorporated**
7451 Third Street
Detroit MI 48202

SPECIAL NOTE: Right to reject any and all proposals, either in whole or in part and to waive any irregularities therein is reserved by the Owner.

BIDS ADVERTISED: **February 19, 2015**

BIDDING: Bidding documents may be obtained by vendors from the University Purchasing Web Site at http://www.forms.purchasing.wayne.edu/Adv_bid/Adv_bid.html beginning **February 19, 2015**. When visiting the Web Site, click on the "**Construction**" link in green. Copies of the RFP will not be available at the pre-proposal meeting.

MANDATORY Pre-Bid Conference: **10:00 a.m., local time, February 26, 2015** to be held at Wayne State University – **5454 Cass Ave, Conference Room 2**, Detroit, MI, 48202. Late Arrivals may not be permitted to submit bids.

OPTIONAL Second Walk Through: (if needed) **To be determined at the conclusion of the pre-bid conference, by those in attendance.**

DUE DATE FOR QUESTIONS: Due Date for questions shall be **March 2, 2015 at 12:00 Noon**. All questions must be reduced to writing and emailed to the attention of **Valerie Kreher, Senior Buyer** at **rfpteam2@wayne.edu**, copy to **Robert Kuhn, Senior Buyer**.

Bids Due: Sealed proposals for lump-sum General Contract will be received at the office of the Procurement & Strategic Sourcing located at 5700 Cass Avenue, Suite 4200, Detroit, MI 48202 on **March 9, 2015**, until 2:00 p.m. (local time).

No public bid opening will be held.

Bid Qualification Meeting: Bidders must be available for bid prequalification meeting the day following the bid opening. The lowest qualified bidder will be contacted and requested to meet with Facilities Planning & Management at their office located at 5454 Cass Avenue, Detroit, MI 48202. During the prequalification, the Vendor must provide a

Project Schedule and a Schedule of Values, including a list of Contractor's suppliers, subcontractors and other qualifications.

An unsigned contract will be given to the successful Contractor at the conclusion of the Pre Award meeting, if all aspects of the bid are in order. The Contractor has 5 business days to return the contract to the Project Manager for University counter signature. The contractor must also submit a Performance Bond as outlined above and a Certificate of Insurance in the same 5 business day period. In the event the Contractor fails to return the documents in this 5 day period, the University reserves the right to award the contract to the next most responsive bidder.

All available information pertaining to this project will be posted to the Purchasing web site at

http://www.forms.purchasing.wayne.edu/Adv_bid/Adv_bid.html.

Information that is not posted to the website is not available/not known

INSTRUCTIONS TO BIDDERS

OWNER: Board of Governors
Wayne State University

PROJECT: **Renovation of 5447 Woodward for Social Work – Abatement**
Project No. **063-233732**

LOCATION: Wayne State University
5447 Woodward,
Detroit, Michigan 48202

OWNER'S AGENT: **Valerie Kreher, Senior Buyer**
WSU – Procurement & Strategic Sourcing
5700 Cass, Suite 4200
Detroit, Michigan 48202
313-577-3720 / 313-577-3747 fax
rfpteam2@wayne.edu

1. PROPOSALS

- A. The Purchasing Agent will receive sealed Proposals for the work as herein set forth at the place and until the time as stated in the "Information for Bidders", a copy of which is bound herewith in these specifications. **No public bid opening will be held.**
- B. Proposals shall be for a **lump-sum General Contract for the entire work of the Project as provided in the Form of Proposal.**
- C. Proposals shall be submitted in duplicate on forms furnished with the Bidding documents. The forms must be fully filled out in ink or typewritten with the signature in longhand, and the completed forms shall be without alterations, interlineations, or erasures. Forms shall contain no recapitulations of the work to be done. Each proposal shall be delivered in an opaque sealed envelope, marked "**PROPOSAL**" AND SHALL BEAR THE NAME OF THE PROJECT AND THE NAME OF THE BIDDER. Proposals submitted by telephone or telegraph will not be accepted. Modifications by telephone or telegraph to previously submitted proposals will not be accepted.
- D. (*revised 5-29-2009*) All base bids must be conforming to the detailed specifications and drawings provided by the University, including any Addenda issued. Voluntary Alternates will only be considered if the Contractor has also submitted a conforming base bid. Any stipulation of voluntary alternates or qualifications contrary to the Contract requirements made by the Bidder in or accompanying his proposal as a condition for the acceptance of the Contract will not be considered in the award of the Contract and will cause the rejection of the entire Proposal.
- E. **The competency and responsibility of Bidders will be considered in making the award. The Owner does not obligate himself to accept the lowest or any other bids. The Owner reserves the right to reject any and all bids and to waive any informalities in the Proposals.**

2. PROPOSAL GUARANTEE (revised 3-22-2012)

- A. A certified check or bank draft payable to the Owner, or satisfactory Bid Bond executed by the Bidder and Surety Company, in an amount equal to not less than five percent (5%) of the maximum proposal amount shall be submitted with each Proposal, which amount may be forfeited to the Board of Governors, Wayne State University, if the successful Bidder refuses to enter into a Contract within ninety (90) days from receipt of Proposals.
- B. Bond must be issued by a Surety Company with an "A rating as denoted in the AM Best Key Rating Guide"

- C. The bid deposit of all bidders except the lowest three will be returned within three (3) days after the bids are opened. After the formal Contract and bonds are approved, the bid deposit will be returned to the lowest three bidders, except when forfeited.
- D. Bid bonds shall be accompanied by a Power of Attorney authorizing the signer of the bond to do so on behalf of the Surety Company.
- E. Withdrawal of Proposals is prohibited for a period of ninety (90) days after the actual date of opening thereof.

3. CONTRACT SECURITY (revised 3-22-2012)

- A. The successful Bidder will be required to furnish a Performance Bond and Labor and Material Payment bond in an amount equal to 100% of the contract award amount, and include such cost in the Proposal, complying with the laws of the State of Michigan. The graduated formula no longer applies.
- B. Performance Bond and Labor and Material Payment Bond shall be from a surety company acceptable to the Owner and made payable as follows:
 - (1) A bond for 100% of the contract award amount to the Board of Governors of Wayne State University, and guaranteeing the payment of all subcontractors and all indebtedness incurred for labor, materials, or any cause whatsoever on account of the Contractor in accordance with the laws of the State of Michigan relating to such bonds.
 - (2) A bond for 100% of the contract award amount to the Board of Governors of Wayne State University to guarantee and insure the completion of work according to the Contract.
- C. The only acceptable Performance Bond shall be the AIA A312 – 2010.
- D. Bond must be issued by a Surety Company with an “A rating as denoted in the AM Best Key Rating Guide”.

4. BOND CLARIFICATION

For bids below \$50,000.00,

- A. Bid bond will not be required.
- B. Performance Bond will not be required.

5. INSPECTION

- A. Before submitting his Proposal, each Bidder shall be held to have visited the site of the proposed work and to have familiarized himself as to all existing conditions affecting the execution of the work in accordance with the Contract Documents. No allowance or extra consideration on behalf of the Contractor will subsequently be made by reason of his failure to observe the Conditions or on behalf of any subcontractor for the same reason.

6. EXPLANATION TO BIDDERS AND ADDENDA

- A. Neither the Owner nor Representative nor Purchasing Agent will give verbal answers to any inquiries regarding the meaning of drawings and specifications, and any verbal statement regarding same by any person, previous to the award, shall be unauthoritative.
- B. Any explanation desired by Bidders must be requested of the Purchasing Agent in writing, and if explanation is necessary, a reply will be made in the form of an Addendum, a copy of which will be forwarded to each Bidder registered on the Bidders' List maintained by Procurement & Strategic Sourcing.
- C. All addenda issued to Bidders prior to date of receipt of Proposals shall become a part of these

Specifications, and all proposals are to include the work therein described.

7. INTERPRETATION OF CONTRACT DOCUMENTS

- A. If any person contemplating submitting a bid for the proposed Contract is in doubt as to the true meaning of any part of the drawings, specifications, or other Contract Documents, he may submit to the Purchasing Agent, a written request for an interpretation thereof. The person submitting the request will be responsible for its prompt delivery. Any interpretation of the Contract Documents will be made by an addendum duly issued. A copy of such addendum will be mailed and delivered to each registered Bidder. Each proposal submitted shall list all addenda, by numbers, which have been received prior to the time scheduled for receipt of proposal.

8. SUBSTITUTION OF MATERIALS AND EQUIPMENT*

- A. Whenever a material, article or piece of equipment is identified on the Drawings or in the Specifications by reference to manufacturers' or vendors' names, trade names, catalog numbers, or the like, it is so identified for the purpose of establishing a standard, and any material, article, or piece of equipment of other manufacturers or vendors which will perform adequately the duties imposed by the general design will be considered equally acceptable provided that the material, article, or piece of equipment so proposed is, in the opinion of the Architect, of equal substance, appearance and function. It shall not be purchased or installed by the Contractor without the Architect's written approval.

9. TAXES

- A. The Bidder shall include in his lump sum proposal and make payment of all Federal, State, County and Municipal taxes, including Michigan State Sales and Use Taxes, now in force or which may be enacted during the progress and completion of the work covered.

10. REQUIREMENTS FOR SIGNING PROPOSALS AND CONTRACTS

- A. The following requirements must be observed in the signing of proposals that are submitted:
- (1) Proposals that are not signed by individuals making them shall have attached thereto a Power of Attorney, evidencing the authority to sign the Proposal in the name of the person for whom it is signed.
 - (2) Proposals that are signed for partnership shall be signed by all of the partners or by an Attorney-in-Fact. If signed by an Attorney-in-Fact, there must be attached to the Proposal a Power of Attorney evidencing authority to sign the Proposal, executed by the partners.
 - (3) Proposals that are signed for a corporation shall have the correct corporate name thereof and the signature of the President or other authorized officer of the corporation, manually written in the line of the Form of Proposal following the words "signed by". If such a proposal is signed by an official other than the President of the Corporation, a certified copy of resolution of the Board of Directors, evidencing the authority of such official to sign the bid, shall be attached to it. Such proposal shall also bear the attesting signature of the Secretary of the Corporation and the impression of the corporate seal.

11. QUALIFICATIONS OF BIDDERS

- A. The Owner may request each of the three (3) low bidders to submit information necessary to satisfy the Owner that the Bidder is adequately prepared to fulfill the Contract. Such information may include past performance records, list of available personnel, plant and equipment, description of work that will be done simultaneously with the Owner's Project, financial statement, or any other pertinent information. This information and such other information as may be requested will be used in determining whether a Bidder is qualified to perform the work required and is responsible and reliable.

12. SPECIAL REQUIREMENTS

- A. The attention of all Bidders is called to the General Conditions, Supplementary General Conditions,

and Special Conditions, of which all are a part of the Specifications covering all work, including Subcontracts, materials, etc. Special attention is called to those portions dealing with Labor Standards, including wages, fringe benefits, Equal Employment Opportunities, and Liquidated Damages.

- B. Prior to award of the project, the apparent low bidder will be required to produce a schedule of values which will include the proposed subcontractors for each division of work and whether the subcontractor is signatory or non-signatory. A contract will not be issued to the apparent low bidder until this document is provided. A contractor will have one week to produce this document. If the required document is not received within this time, the bidder will be disqualified.

13. NOTICE OF AWARD/ACCEPTANCE OF BID PROPOSAL (revised 12-15-2009)

- A. The Proposal shall be deemed as having been accepted when a copy of the Contract (fully executed by both the vendor and the appropriate signatory authority for the University), with any/all Alternates, Addenda, and Pre-Contract Bulletins, as issued by the office or agent of the Owner has been duly received by the Contractor. After signing the Contracts, the Contractor shall then return all copies, plus any required bonds and certificates of insurance, to the office of the Owner's Representative, at 5454 Cass, Wayne State University, Detroit, MI 48202. Construction will begin when the fully-executed contract has been returned to the Contractor.

14. TIME OF STARTING AND COMPLETION

- A. It is understood that the work is to be carried through to substantial completion with the utmost speed consistent with good workmanship and to meet the established start and completion dates.
- B. The Contractor shall begin work under the Contract without delay, upon receipt of a fully-executed contract from the Owner, and shall substantially complete the project ready for unobstructed occupancy and use of the Owner for the purposes intended within the completion time stated in the Contract.
- C. The Contractor shall, immediately upon receipt of fully-executed contract, schedule his work and expedite deliveries of materials and performance of the subcontractors to maintain the necessary pace for start and completion on the aforementioned dates.

15. BIDDING DOCUMENTS

- A. Bid specifications are not available at the University, but are available beginning **February 19, 2015** through Wayne State University Procurement & Strategic Sourcing's Website for Advertised Bids: http://www.forms.purchasing.wayne.edu/Adv_bid/Adv_bid.html. The plans for this project can be viewed in advance and/or printed from the above website. Copies of the RFP will not be available at the pre-proposal meeting.

B. DOCUMENTS ON FILE (revised 12-2007)

- (1) *Wayne State University Procurement & Strategic Sourcing's Website.*
All available information pertaining to this project will be posted to the Purchasing web site at http://www.forms.purchasing.wayne.edu/Adv_bid/Adv_bid.html.
Information that is not posted to the website is not available/not known.
- (2) Notification of this Bid Opportunity has been sent to *DUNN BLUE (for purchase of Bid Documents only), DODGE REPORTS, REED CONSTRUCTION, CONSTRUCTION NEWS and the CONSTRUCTION ASSOCIATION OF MICHIGAN (CAM).*
- (3) Please note: Effective December 1, 2007, bid notices will be sent only to those Vendors registered to receive them via our Bid Opportunities list serve. To register, to http://www.forms.purchasing.wayne.edu/Adv_bid/Adv_bid.html, and click on the "Join our Listserve" link at the top of the page.

NOTICE OF MANDATORY PRE-BID CONFERENCE

PROJECT: **Renovation of 5447 Woodward for Social Work – Abatement,**

PROJECT NOS.: **WSU PROJECT NO. 063-233732**

It is **MANDATORY** that each Contractor proposing to bid on this work must attend a pre-bid conference at the following location:

Wayne State University
5454 Cass Ave, Conference Room 2
Detroit MI 48202

10:00 a.m., local time, February 26, 2015

The purpose of this conference is to clarify the procedures, scope of work, and to identify any omissions and/or inconsistencies that may impede preparation and submission of representative competitive bids.

An attendance list shall be prepared and minutes of the conference shall be furnished to all those attending.

Any clarifications or corrections that cannot be made at the conference will be by Addendum.

For your convenience a map of the University and appropriate parking lots can be downloaded and printed from: **<http://campusmap.wayne.edu/>**. Guest parking in any of the University student and guest lots is **\$7.00**. A detailed list of Cash & Coin operated lots can be viewed at **http://purchasing.wayne.edu/cash_and_credit_card_lots.php**. Cash lots dispense change in quarters. Due to time constraints, Vendors are encouraged to avoid parking at meters on the street (especially blue "handicapped" meters).

All available information pertaining to this project will be posted to the Purchasing web site at

http://www.forms.purchasing.wayne.edu/Adv_bid/Adv_bid.html.

Information that is not posted to the website is not available/not known.

AGENDA

- I. Welcome and Introductions
 - A. Wayne State University Representatives
 - B. Vendor Representatives
 - C. Sign in Sheet- be sure to include your fax number and email address (LEGIBLY) on the sign in sheet.

- II. Brief Overview of Wayne State University
 - A. Purpose and Intent of RFP.
 - B. Detailed review of the RFP and the requirements for a qualified response.
 - C. Review of all pertinent dates and forms that are REQUIRED for a qualified response.

- III. Vendor Questions/Concerns/Issues
 - A. Questions that can be answered directly by the appropriate person in this meeting will be answered and both question and answer will be recorded in the minutes of the meeting.
 - B. Questions that need to be researched will be answered and a nature of clarification will be emailed to the appropriate ListServ. See http://www.forms.purchasing.wayne.edu/Adv_bid/Adv_Bid_Listserve.html for a list of ListServ Bid Lists.
 - C. Minutes will be emailed to all participants of the meeting within a reasonable amount of time. (be sure to include your email address/addresses on the sign in sheet)
 - D. Questions and concerns that come up after this meeting are to be addressed to **Valerie Kreher**, Procurement & Strategic Sourcing. Discussion with other University members is seriously discouraged and could lead to disqualification from further consideration. All questions and answers will be recorded and emailed to all participants of the RFP.
 - E. Due date for questions is **March 2, 2015, 12:00 noon**.

- IV. Proposal Due Date- **March 9, 2015, 2:00 p.m.**

- V. Final Comments

- VI. Adjourn

VENDOR NAME _____

GENERAL CONTRACT - PROPOSAL FORM (revised 1 - 2011)

Please Note – Vendors must Pre-qualify themselves when responding to this bid opportunity. Our Prequalification questions can be found on page 4 of this section.

OWNER: Board of Governors
Wayne State University

PROJECT: **Renovation of 5447 Woodward for Social Work – Abatement**

PROJECT NO.: WSU PROJECT NO. **063-233732**

PROJECT TYPE: **Hazardous Material Abatement Work**

PURCHASING AGENT: **Valerie Kreher, Senior Buyer**
WSU – Procurement & Strategic Sourcing
5700 Cass, Suite 4200
Detroit, Michigan 48202
313-577-3720/ 313-577-3747 fax
rfpteam2@wayne.edu

OWNER'S REPRESENTATIVE: **Nancy Milstein, Project Manager**
Design & Construction Services
Facilities Planning & Management
Wayne State University
5454 Cass Avenue
Detroit, Michigan 48202

TO: Board of Governors
Wayne State University
Detroit, Michigan

BASE PROPOSAL:

The undersigned agrees to enter into an Agreement to complete the entire work of the **Renovation of 5447 Woodward for Social Work – Hazardous Materials Abatement** project (WSU Project No. **063-233732**) in accordance with the Bidding Documents for the following amounts:

_____ \$ _____ Dollars

ALTERNATE NO. 1: Asbestos Containing Materials East of Column Line 7

The undersigned agrees to enter into an agreement to complete the Alternate # 1 work of the **Renovation of 5447 Woodward for Social Work – Hazardous materials Abatement** project and to provide all labor and material associated with the work in accordance with the Bidding Documents for the following amounts:

(select one) ADD _____ \$ _____ Dollars

or
DEDUCT _____ \$ _____ Dollars

LAWN REPLACEMENT:

The undersigned agrees that, in the event of existing lawn or landscaping damage, due to the Contractor's work, that has not been properly addressed and repaired to the satisfaction of the University, the University may repair/replace the lawn and/or landscaping, and that the expense will be at a **unit cost of \$10.00 per square yard for lawn, and landscaping at a rate of 1.5 times the cost of said repairs**, the full cost of which shall be reimbursed by the contractor.

CONTRACT CHANGE**ORDERS: (revised 4-01-2011)**

The undersigned agrees to the following pricing formula and rates for changes in the contract work:

1. For subcontract work, Contractor's markup for handling, overhead, profit and bonding on subcontractors sell price, shall not exceed 5%.
 - 1.1. **For subcontract work that is provided on a time and material basis, the subcontractor shall be permitted a single markup for handling, overhead, profit and bonding of 5%. When a markup is identified in the subcontractor's hourly labor rate, additional markup on labor is not permitted.**
 - 1.1.1 **For changes that are based upon a lump sum value, subcontractor shall provide all labor and material back-ups to ensure that duplicative charges are avoided and authorized mark-ups for OH&P can be confirmed**
2. For work by his own organization, Contractor's markup for job* and general overhead, profit and bonding shall not exceed **5%** of the net labor** and material costs.

Within 14 days of the project's contract execution Contractor shall provide to the Owner; Subcontractor's hourly labor rate breakdown details. This requirement shall extend to the lowest level of subcontractor participation.

* Job and general overhead includes supervision and executive expenses; use charges on small tools, scaffolding, blocking, shores, appliances, etc., and other miscellaneous job expenses.

** Net labor cost is the sum of the base wages, fringe benefits established by governing trade organizations, applicable payroll taxes, and increased expense for contractor's liability insurance (Workman's Compensation, P.L. and P.D.).

TIME OF COMPLETION:

(revised 4-01-2011)

The Contract is expected to be fully executed on or about 25 calendar days after successful bidder qualification and recommendation of award. The undersigned agrees to start construction **immediately after** receipt of a fully executed contract, and to complete the work as follows:

Substantial Completion will be completed no later than **June 30, 3015**.

LIQUIDATED DAMAGES:

It is understood and agreed that, if project is not completed within the time specified in the contract plus any extension of time allowed pursuant thereto, the actual damages sustained by the Owner because of any such delay, will be uncertain and difficult to ascertain, and it is agreed that the reasonable foreseeable value of the use of said project by Owner would be the sum of **\$500.00, Five hundred Dollars per day**, and therefore the contractor shall pay as liquidated damages to the Owner the sum of **\$500.00, Five hundred Dollars per day** for each day's delay in substantially completing said project beyond the time specified in the Contract and any extensions of time allowed thereunder.

TAXES:

The undersigned acknowledges that prices stated above include all applicable taxes of whatever character or description. Michigan State Sales Tax is applicable to the work. Bidder understands that the Owner reserves the right to reject any or all bids and to waive informalities or irregularities therein.

ADDENDA:

The undersigned affirms that the cost of all work covered by the following Addenda are included in the lump sum price of this proposal.

Addendum No. ____ Date _____ Addendum No. ____ Date _____
 Addendum No. ____ Date _____ Addendum No. ____ Date _____
 Addendum No. ____ Date _____ Addendum No. ____ Date _____
 Addendum No. ____ Date _____ Addendum No. ____ Date _____
 Addendum No. ____ Date _____ Addendum No. ____ Date _____

CONTRACTOR'S PREQUALIFICATION STATEMENT & QUESTIONNAIRE:

Our Minimum Requirements for Construction Bids are:

WSU considers this project: **Hazardous Material Abatement Work.**

Criteria	Small Project bid less than \$50,000	Medium Project bid between \$50,001 and \$250,000	Large Project bid between \$250,001 and \$2 million	Very Large Project bid greater than \$2 million
EMR Rating (Experience Modification Rating)	1.0 or Less	1.0 or Less	1.0 or Less	1.0 or Less
Bondable Vendor	N.A.	Required	Required	Required
Length of Time in Construction Business	2 Years	3 Years	5 Years	5 Years
Demonstrated Experience in Projects Similar in Scope and Price in the last 3 years	1 or more	1 or more	2 or more	3 or more
Unsuccessful Projects on Campus in last 3 years	None Allowed	None Allowed	None Allowed	None Allowed
Failure to comply with Prevailing Wage and/or Project Labor requirements	None Allowed	None Allowed	None Allowed	None Allowed
Withdrawn University Bid (with or without Bond forfeiture) within the last 3 years **	1 or less	1 or less	1 or less	1 or less
Company currently not in Chapter 11 of the US Bankruptcy Code	1 Year	2 Years	3 Years	3 Years

** Withdrawal of a bid is subject to the University suspension policy, for a period up to one year.

Contractors must complete the following information to determine their eligibility to participate in this bid. This information is required with your Bid to the University

Failure to complete this form in its entirety will result in your bid being disqualified.

Check one of the following on the makeup of your company:

_____ Corporation

_____ Individual

_____ Partnership

_____ Joint Venture

_____ Other (Explain)

1. How many years has your organization been in business as a contractor? _____

2. How many years has your organization been in business under its present business name? _____

3. List states in which your organization is legally qualified to do business. _____

4. Provide the Name and Address of your Liability Insurance Carrier. _____

5. What is your current EMR Rating? _____
The minimum requirement is an EMR Rating of 1.0 or less for all projects. Bidders with a rating higher than 1.0 understand that their bid may be disqualified, at the sole discretion of the University.

6. What percentage of work performed on projects are by company employees; excluding any hired subcontracting and outsourced relationships, for the bid submitted? _____ %

7. What percentage of work performed on your companies behalf are by subcontracted business relationships; disallowing 1099 contracting work forces, for the bid submitted? _____ %

8. Have you ever failed to complete any work awarded to you? If so, attach a separate sheet of explanation. Include the name of the Project, the customer, the dates of the work, and the amount of the contract?

9. Have you withdrawn a bid after a University bid opening and/or refused to enter into a contract with the University upon notification of award within the last 3 years? If so, state the Project Name and Number, and the date of bid submission below.

10. Has any officer or partner of your organization ever been an officer or partner of another organization that failed to complete a construction contract? If so, attach a separate sheet of explanation.

11. List the construction experience of the principals and superintendents of your company.

Name: _____ Title: _____

Name: _____ Title: _____

Name: _____ Title: _____

12. List the construction Projects, and approximate dates, when you performed work similar in Scope to this project.

Project: _____ Owner: _____

Contract Amount: _____ Date Completed: _____

Project: _____ Owner: _____

Contract Amount: _____ Date Completed: _____

Project: _____ Owner: _____

Contract Amount: _____ Date Completed: _____

13. List the construction Projects, and approximate dates, when you performed work similar in Dollar Amount to this project.

Project: _____ Owner: _____

Contract Amount: _____ Date Completed: _____

Project: _____ Owner: _____

Contract Amount: _____ Date Completed: _____

Project: _____ Owner: _____

Contract Amount: _____ Date Completed: _____

14. Is your Company "bondable"? Yes _____ No _____

15. What is your present bonding capacity? \$ _____

16. Who is your bonding agent?

NAME: _____

ADDRESS: _____

PHONE: (_____) _____

CONTACT: _____

17. Does your company agree to provide financial reports to the University upon request? Failure to agree may result in disqualification of your bid. Yes _____ No _____

18. Does your company agree that all of the Terms and Conditions of this RFP and Vendor's Response Proposal become part of any ensuing agreement? Yes _____ No _____

19. Does your company agree to execute a contract containing the clauses shown in Section 00500 "Agreement Between Contractor and Owner for Construction"? Yes _____ No _____

If "No", clearly note any exceptions to any information contained in the contract documents and include with your proposal.

20. Did your company quote based upon **Prevailing Wage Rates**? Yes _____ No _____

Note: Contractors submitting proposals for this project may, at the discretion of the University, be required to submit references including contact information to be used to assist in the post bid evaluation process for the subject project

ACKNOWLEDGEMENT OF MINIMUM QUALIFICATIONS:

The undersigned has read and understands the minimum qualifications for University construction projects, and has completed the Prequalification section completely and accurately. The undersigned understands that a contractor, who fails to meet the minimum qualifications **in the category identified for this project, will be disqualified from consideration for the project.**

ACCEPTANCE OF PROPOSAL:

The undersigned agrees to execute a Contract, being the Wayne State University standard form titled "Agreement Between Contractor and Owner for Construction" (see section 00500 of the bid documents), provided that we are notified of the acceptance of our Proposal within sixty (60) days of the date set for the opening thereof.

The undersigned below understands that the bid will be disqualified if the Prequalification information above is not completed in its entirety.

NAME OF COMPANY: _____

OFFICE ADDRESS: _____

PHONE NUMBER: _____ DATE _____

FAX NUMBER: _____

SIGNED BY: _____
Signature

(Please print or type name here)

TITLE _____

EMAIL ADDRESS: _____ @ _____

PREVAILING WAGE RATE SCHEDULE (revised 4-05-2010)

- A. See also Page 00100-4 Section 12.B
- B. Wayne State University requires all project contractors, including subcontractors, who provide labor on University projects to compensate at a rate no less than prevailing wage rates.
- C. The rates of wages and fringe benefits to be paid to each class of laborers and mechanics by each VENDOR and subcontractor(s) (if any) shall be not less than the wage and fringe benefit rates prevailing in Wayne County, Michigan, as determined by the United States Secretary of Labor. Individually contracted labor commonly referred to as "1099 Workers" and subcontractors using 1099 workers are not acceptable for work related to this project.
- D. To maintain compliance with State of Michigan Ordinances, Certified Payroll must be provided for each of the contractor's or subcontractor's payroll periods for work performed on this project. Certified Payroll should accompany all Pay Applications. Failure to provide certified payroll will constitute breach of contract, and pay applications will be returned unpaid, and remain so until satisfactory supporting documents are provided.

A Prevailing Wage Rate Schedule has been issued from the State of Michigan that is enclosed in this section

Additional information can be found on the University Procurement & Strategic Sourcing's web site at the following URL address:

<http://purchasing.wayne.edu/vendors/wage-rates.php>

If you have any questions, or require rates for additional classifications, please contact:

Michigan Department of Consumer & Industry Services,
Bureau of Safety and Regulation, Wage and Hour Division,
7150 Harris Drive,
P.O. Box 30476,
Lansing, Michigan 48909-7976

http://www.michigan.gov/dleg/0,1607,7-154-27673_27706---,00.html

F. Wayne State University's Prevailing Wage Requirements:

When compensation will be paid under prevailing wage requirements, the University shall require the following:

- A. The contractor shall obtain and keep posted on the work site, in a conspicuous place, a copy of all current prevailing wage and fringe benefit rates.
- B. The contractor shall obtain and keep an accurate record showing the name and occupation of and the actual wages and benefits paid to each laborer and mechanic employed in connection with this contract.
- C. The contractor shall submit a completed certified payroll document [U.S. Department of Labor Form WH 347] verifying and confirming the prevailing wage and benefits rates for all employees and subcontractors for each payroll period for work performed on this project. The contractor shall include copies of pay stubs for all employee or contract labor payments related to Wayne State University work. The certified payroll form can be downloaded from the Department of Labor website at <http://www.dol.gov/whd/forms/wh347.pdf>.
- D. A properly executed sworn statement is required from all tiers of contractors, sub-contractors and suppliers which provide services or product of \$1,000.00 or greater. Sworn statements must accompany applications for payment. All listed parties on a sworn statement and as a subcontractor must submit Partial or Full Conditional Waivers for the amounts invoiced on the payment application. A copy of the acceptable WSU Sworn Statement and Waiver will be provided to the awarded contractor.
- E. Apprentices for a skilled trade must provide proof of participation in a Certified Apprenticeship Program and the level of hours completed in the program.

F. Daily project sign-in sheets and field reports for the project must be turned in weekly.

Note: Contractor invoices WILL NOT be processed until all listed certified payroll documents are received.

- G. If the VENDOR or subcontractor fails to pay the prevailing rates of wages and fringe benefits and does not cure such failure within 10 days after notice to do so by the UNIVERSITY, the UNIVERSITY shall have the right, at its option, to do any or all of the following:
1. Withhold all or any portion of payments due the VENDOR as may be considered necessary by the UNIVERSITY to pay laborers and mechanics the difference between the rates of wages and fringe benefits required by this contract and the actual wages and fringe benefits paid;
 2. Terminate this contract and proceed to complete the contract by separate agreement with another vendor or otherwise, in which case the VENDOR and its sureties shall be liable to the UNIVERSITY for any excess costs incurred by the UNIVERSITY.
 3. Propose to the Director of Purchasing that the Vendor be considered for Debarment in accordance with the University's Debarment Policy, found on our website at <http://purchasing.wayne.edu/docs/appm28.pdf>
- Terms identical or substantially similar to this section of this RFP shall be included in any contract or subcontract pertaining to this project.
- H. The current applicable prevailing wage rates as identified by the State of Michigan Department of Consumer & Industry Services, Bureau of Safety and Regulation, Wage and Hour Division are attached. Refer to item C above if additional information is required.
- I. Prior to award of the project, the apparent low bidder will be required to produce a schedule of values which will include the proposed subcontractors for each division of work and whether the subcontractor is signatory or non-signatory. A letter of intent or **contract will not** be issued to the apparent low bidder until this document is provided. The apparent low bidder will have one week to produce this document. If the required document is not received within this time, the bidder will be disqualified, and the next low bidder will be required to provide this schedule of values.

SEE ATTACHED STATE PREVAILING WAGE INFORMATION

State of Michigan
 WHPWRequest@michigan.gov

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732

Wayne County
 Official 2015 Prevailing Wage Rates for State Funded Projects
 Issue Date: 1/27/2015
 Contract must be awarded by: 4/27/2015

Page 1 of 33

Classification			Last Updated	Straight Time and a Half	Double Time	Overtime Provision
Name	Description			Hourly	Half	Time
Asbestos & Lead Abatement Laborer						
Asbestos & Lead Abatement Laborer		MLDC	10/1/2014	\$40.25	\$53.64	\$67.03 H H H X X X D Y
4 ten hour days @ straight time allowed Monday-Saturday, must be consecutive						

Asbestos & Lead Abatement, Hazardous Material Handler						
Asbestos and Lead Abatement, Hazardous Material Handler		AS207	10/1/2014	\$40.25	\$53.58	\$66.90 H H H X X X D Y
4 ten hour days @ straight time allowed Monday-Saturday, must be consecutive						

Boilermaker						
Boilermaker		BO169	8/14/2009	\$54.70	\$81.08	\$107.45 H H H H H H D Y

Apprentice Rates:

1st 6 months	\$40.31	\$59.49	\$78.67
2nd 6 months	\$41.45	\$61.21	\$80.95
3rd 6 months	\$42.57	\$62.88	\$83.19
4th 6 months	\$43.69	\$64.57	\$85.43
5th 6 months	\$44.81	\$66.24	\$87.67
6th 6 months	\$49.53	\$73.40	\$97.26
7th 6 months	\$49.32	\$73.01	\$96.69
8th 6 months	\$51.58	\$76.40	\$101.21

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732
 County: Wayne

Official Rate Schedule
 Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 2 of 33

Classification			Last Updated	Straight Time and a Half	Double Time	Overtime Provision
Name	Description			Hourly	Half	Time
Bricklayer						
Bricklayer, stone mason, pointer, cleaner,	BR1		10/15/2014	\$52.43	\$78.65	\$104.86 H H D H D D D D Y
	<i>Make up day allowed comment</i>					
	Saturday for 5 day 8 hour week					
	Friday for 4 day 10 hour week					
	4 10s allowed M-TH					

Apprentice Rates:

First 6 months	\$31.87	\$47.81	\$63.74
2nd 6 months	\$33.72	\$50.60	\$67.44
3rd 6 months	\$35.57	\$53.37	\$71.14
4th 6 months	\$37.42	\$56.14	\$74.84
5th 6 months	\$39.27	\$58.92	\$78.54
6th 6 months	\$41.12	\$61.70	\$82.24
7th 6 months	\$42.97	\$64.46	\$85.94
8th 6 months	\$44.82	\$67.24	\$89.64

Carpenter

Diver	CA 687 D		6/25/2014	\$64.65	\$93.14	\$121.63 X X H X X H H D Y
	Four 10s allowed M-Sat; double time due when over 12 hours worked per day					
	<i>Make up day allowed comment</i>					
	Saturday					

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732
 County: Wayne

Official Rate Schedule
 Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 3 of 33

Classification Name Description		Last Updated	Straight Time and Hourly	a Half	Double Time	Overtime Provision
Carpet and Resilient Floor Layer, (does not include installation of prefabricated formica & parquet flooring which is to be paid carpenter rate)	CA1045	6/12/2014	\$49.21	\$70.18	\$91.14	X X H X X X D Y

Apprentice Rates:

1st 6 months	\$24.23	\$32.71	\$41.18
2nd 6 months	\$28.25	\$38.73	\$49.22
3rd 6 months	\$30.35	\$41.88	\$53.42
4th 6 months	\$32.44	\$45.02	\$57.60
5th 6 months	\$34.54	\$48.17	\$61.80
6th 6 months	\$36.63	\$51.31	\$65.98
7th 6 months	\$38.74	\$54.48	\$70.20
8th 6 months	\$40.82	\$57.59	\$74.36

Carpenter four 10s allowed Mon-Sat; double time due when over 12 hours worked per day <i>Make up day allowed comment</i> Saturdays	CA687Z1	6/24/2014	\$55.24	\$79.04	\$102.84	X X H X X H H D Y
---	---------	-----------	---------	---------	----------	-------------------

Apprentice Rates:

1st year	\$33.82	\$46.92	\$60.00
3rd 6 months	\$36.21	\$50.49	\$64.78
4th 6 months	\$38.58	\$54.05	\$69.52
5th 6 months	\$40.97	\$57.64	\$74.30
6th 6 months	\$43.33	\$61.17	\$79.02
7th 6 months	\$45.72	\$64.77	\$83.80
8th 6 months	\$48.09	\$68.32	\$88.54

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732
 County: Wayne

Official Rate Schedule
Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 4 of 33

Classification		Last Updated	Straight Time and a Half	Double Time	Overtime Provision
Name	Description		Hourly		
Piledriver	CA687Z1P	6/24/2014	\$55.24	\$79.04	\$102.84 X X H X X H H D Y
	Four 10s allowed Monday-Saturday; double time due when over 12 hours worked per day				
	Make up day allowed comment				
	Saturday				

Apprentice Rates:

1st 6 months	\$33.82	\$46.92	\$60.00
2nd 6 months	\$38.58	\$54.05	\$69.52
3rd 6 months	\$43.33	\$61.17	\$79.02
4th 6 months	\$48.09	\$68.32	\$88.54

Cement Mason

Cement Mason	br1cm	10/15/2014	\$50.05	\$71.17	\$92.28 X X H H H H H D N
--------------	-------	------------	---------	---------	---------------------------

Apprentice Rates:

1st 6 months	\$29.13	\$39.45	\$49.77
2nd 6 months	\$31.20	\$42.54	\$53.87
3rd 6 months	\$35.31	\$48.67	\$62.01
4th 6 months	\$39.46	\$54.85	\$70.23
5th 6 months	\$41.52	\$57.91	\$74.30
6th 6 months	\$45.67	\$64.10	\$82.52

Cement Mason	CE514	11/10/2011	\$46.30	\$64.89	\$83.48 H H D H H H H D N
--------------	-------	------------	---------	---------	---------------------------

Apprentice Rates:

1st 6 months	\$26.77	\$36.07	\$45.36
2nd 6 months	\$28.68	\$38.91	\$49.13
3rd 6 months	\$32.50	\$44.59	\$56.66
4th 6 months	\$36.32	\$50.26	\$64.19
5th 6 months	\$38.24	\$53.11	\$67.98
6th 6 months	\$42.06	\$58.79	\$75.51

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation

Project Number: 063-233732
 County: Wayne

Official Rate Schedule
Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 5 of 33

Classification		Last Updated	Straight Time and a Half Hourly	Double Time	Overtime Provision
Name	Description				

Drywall

Drywall Taper	PT-22-D	9/5/2014	\$44.41	\$57.66	\$70.91	H H D H D D D D Y
Four 10s allowed Monday-Thursday						
<i>Make up day allowed comment</i>						
Friday make-up day for bad weather or holidays						

Apprentice Rates:

First 3 months	\$31.16	\$37.79	\$44.41
Second 3 months	\$33.81	\$41.76	\$49.71
Second 6 months	\$36.46	\$45.73	\$55.01
Third 6 months	\$39.11	\$49.71	\$60.31
4th 6 months	\$40.43	\$51.69	\$62.95

Electrician

Inside Wireman	EC-58-IW	10/2/2014	\$58.91	\$77.39	\$95.87	H H H H H H H D N
----------------	----------	-----------	---------	---------	---------	-------------------

Apprentice Rates:

0-1000 hours	\$36.73	\$44.12	\$51.51
1000-2000 hours	\$38.58	\$46.89	\$55.21
2000-3500 hours	\$40.43	\$49.67	\$58.91
3500-5000 hours	\$42.27	\$52.44	\$62.59
5000-6500 hours	\$45.97	\$57.98	\$69.99
6500-8000 hours	\$49.67	\$63.53	\$77.39

Sound and Communication Installer/Technician	EC-58-SC	10/2/2014	\$37.48	\$50.29	\$63.09	H H H H H H H D N
--	----------	-----------	---------	---------	---------	-------------------

Apprentice Rates:

Period 1	\$24.67	\$31.07	\$37.47
Period 2	\$25.95	\$32.99	\$40.03
Period 3	\$27.24	\$34.93	\$42.61
Period 4	\$28.51	\$36.83	\$45.15
Period 5	\$29.79	\$38.75	\$47.71
Period 6	\$31.07	\$40.67	\$50.27

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732
 County: Wayne

Official Rate Schedule
 Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 6 of 33

Classification		Last Updated	Straight Time and a Half Hourly	Double Time	Overtime Provision
Name	Description				
Elevator Constructor					
Elevator Constructor	EL 36	8/7/2007	\$56.46	\$94.99	D D D D D D D D Y
Elevator Constructor					
<i>Make up day allowed</i>					
Apprentice Rates:					
	1st Year Apprentice		\$37.74	\$58.93	
	2nd Year Apprentice		\$41.90	\$66.94	
	3rd Year Apprentice		\$43.98	\$70.95	
	4th Year Apprentice		\$48.14	\$78.96	
Glazier					
Glazier	GL-357	10/2/2014	\$47.35	\$65.97	\$84.58 H H H H H H H D Y
If a four 10 hour day workweek is scheduled, four 10s must be consecutive, M-F.					
Apprentice Rates:					
	1st 6 months		\$32.45	\$43.62	\$54.78
	2nd 6 months		\$33.94	\$45.85	\$57.76
	3rd 6 months		\$36.92	\$50.33	\$63.72
	4th 6 months		\$38.41	\$52.56	\$66.70
	5th 6 months		\$39.90	\$54.79	\$69.68
	6th 6 months		\$41.39	\$57.03	\$72.66
	7th 6 months		\$42.88	\$59.27	\$75.64
	8th 6 months		\$45.86	\$63.73	\$81.60
Heat and Frost Insulator					
Spray Insulation	AS25S	3/5/2007	\$20.14	\$29.14	H H H H H H H H N

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732
 County: Statewide

Official Rate Schedule
 Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 7 of 33

Classification		Last Updated	Straight Time and a Half Hourly	Double Time	Overtime Provision
Name	Description				

Heat and Frost Insulator and Asbestos Worker

Heat and Frost Insulators and Asbestos Workers	AS25	1/29/2014	\$60.25	\$76.00	\$91.74	H H H H H H D Y
--	------	-----------	---------	---------	---------	-----------------

Four 10s must be worked for a minimum of 2 weeks consecutively, Monday thru Thursday. All hours worked in excess of 10 will be paid at double time. All hours worked on the fifth day,
comment

Four 10s must be worked for a minimum of 2 consecutive weeks. OVERTIME is different on a four 10 week. OT is 2x for hours beyond 10. All hours on fifth day, M-F require time and one half. Sat first 8 hours, 1.5, all hours after 8 require double time.

Apprentice Rates:

1st Year	\$46.08	\$54.74	\$63.40
2nd Year	\$49.23	\$59.46	\$69.70
3rd Year	\$50.80	\$61.82	\$72.84
4th Year	\$53.95	\$66.54	\$79.14

Ironworker

Fence, Sound Barrier & Guardrail erection/installation and Exterior Signage work	IR-25-F1	8/13/2014	\$34.20	\$46.45	\$58.69	X X H X X X H D Y
Four ten hour work days may be worked during Monday-Saturday.						

Apprentice Rates:

60% Level	\$23.04	\$30.39	\$37.73
65% Level	\$24.37	\$32.33	\$40.29
70% Level	\$25.70	\$34.27	\$42.84
75% Level	\$27.02	\$36.21	\$45.39
80% Level	\$28.34	\$38.13	\$47.93
85% Level	\$29.67	\$40.08	\$50.49

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732
 County: Wayne

Official Rate Schedule
 Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 8 of 33

Classification Name Description		Last Updated	Straight Time and Hourly	a Half	Double Time	Overtime Provision
Siding, Glazing, Curtain Wall 4 tens may be worked Monday thru Thursday @ straight time. <i>Make up day allowed comment</i> Friday	IR-25-GZ2	9/4/2014	\$46.41	\$58.07	\$69.73	X X H H H H D D Y

Apprentice Rates:

Level 1	\$29.48	\$36.09	\$42.68
Level 2	\$31.59	\$38.83	\$46.05
Level 3	\$33.71	\$41.58	\$49.44
Level 4	\$35.83	\$44.33	\$52.82
Level 5	\$37.94	\$47.07	\$56.20
Level 6	\$40.06	\$49.82	\$59.58

Pre-engineered Metal Work <i>Make up day allowed comment</i> 4 tens allowed M-Th with Saturday make up day	IR-25-PE-Z1	6/3/2014	\$45.24	\$55.53	\$65.81	X X H X X X X D Y
--	-------------	----------	---------	---------	---------	-------------------

Apprentice Rates:

1st Year	\$26.11	\$31.58	\$37.06
3rd 6 month period	\$28.23	\$34.46	\$40.68
4th 6 month period	\$30.36	\$37.35	\$44.33
5th 6 month period	\$32.48	\$40.21	\$47.95
6th 6 month period	\$34.61	\$43.99	\$53.37

Reinforced Iron Work <i>Make up day allowed</i>	IR-25-RF	9/3/2014	\$55.36	\$82.91	\$110.45	H H D H D D D D N
--	----------	----------	---------	---------	----------	-------------------

Apprentice Rates:

Level 1	\$36.01	\$53.89	\$71.75
Level 2	\$38.38	\$57.43	\$76.49
Level 3	\$40.74	\$60.98	\$81.21
Level 4	\$43.28	\$64.78	\$86.29
Level 5	\$45.81	\$68.59	\$91.35
Level 6	\$48.35	\$72.39	\$96.43

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732
 County: Wayne

Official Rate Schedule
Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 9 of 33

Classification Name Description		Last Updated	Straight Time and Hourly	a Half	Double Time	Overtime Provision
Rigging Work	IR-25-RIG	9/3/2014	\$61.33	\$91.67	\$122.00	H H H H H H D N

Apprentice Rates:

Level 1 & 2	\$36.63	\$54.59	\$72.55
Level 3	\$39.46	\$58.84	\$78.21
Level 4	\$42.28	\$63.07	\$83.85
Level 5	\$45.11	\$67.31	\$89.51
Level 6	\$47.94	\$71.56	\$95.17

Decking 4 tens may be worked Monday thru Thursday @ straight time. If bad weather, Friday may be a make up day. If holiday celebrated on a Monday, 4 10s may be worked Tuesday thru Friday. Work in excess of 12 hours per day must be paid @ double time.	IR-25-SD	9/4/2014	\$53.29	\$79.63	\$105.96	X X H H H H D D Y
---	----------	----------	---------	---------	----------	-------------------

Make up day allowed comment

Friday for 4 tens M-Th
Saturday for 5 eights M-F

Structural, ornamental, welder and pre-cast 4 tens may be worked Monday thru Thursday @ straight time. If bad weather, Friday may be a make up day. If holiday celebrated on a Monday, 4 10s may be worked Tuesday thru Friday. Work in excess of 12 hours per day must be paid @ double time.	IR-25-STR	9/3/2014	\$61.46	\$91.84	\$122.21	H H H H H H D D Y
---	-----------	----------	---------	---------	----------	-------------------

Make up day allowed

Apprentice Rates:

Levels 1 & 2	\$36.05	\$54.01	\$71.97
Level 3	\$38.88	\$58.26	\$77.63
Level 4	\$41.70	\$62.49	\$83.27
Level 5	\$44.53	\$66.73	\$88.93
Level 6	\$47.36	\$70.98	\$94.59
Level 7	\$50.18	\$75.20	\$100.23
Level 8	\$53.01	\$79.46	\$105.89

Official Request #: 106
Requestor: Wayne State University
Project Description: 5447 Woodward - Abatement Renovation

Project Number: 063-233732
County: Wayne

Official Rate Schedule
Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 10 of 33

Classification	Last Updated	Straight Time and a Half	Double Time	Overtime Provision
Name Description		Hourly		
Industrial Door erection & construction <i>Make up day allowed comment</i>	IR-25-STR-D 9/4/2014	\$42.02	\$62.68	\$83.33 H H H H H D D Y
Friday for bad weather when 4 tens scheduled for M-Th. If holiday celebrated on M, 4 tens may be worked T-F. Work in excess of 12 hours per day must be paid @ double time.				

Laborer

Construction Laborer, Demolition Laborer, Mason Tender, Carpenter Tender, Drywall Handler, Concrete Laborer, Cement Finisher Tender, Concrete Chute, and Concrete Bucket Handler	L33401-A-CC 7/15/2013	\$43.54	\$61.94	\$80.33 H H H H H H H D Y
--	-----------------------	---------	---------	---------------------------

If conditions beyond the employer/employee's control prevent one or more hours of working during Mon-Fri, the employer may choose to work up to 10 hour straight time weekdays. Work may be scheduled up to 10 hours per Mon-Fri for the purpose of reaching 40 hours @ straight time. Make up days may also include 8 Saturday

Apprentice Rates:

0-1,000 work hours	\$37.60	\$53.03	\$68.45
1,001 - 2,000 work hours	\$38.79	\$54.81	\$70.83
2,001 - 3,000 work hours	\$39.98	\$56.60	\$73.21
3,001 - 4,000 work hours	\$42.35	\$60.15	\$77.95

Signal Man (on sewer & caisson work), Air, Electric or Gasoline Tool Operator, Concrete Vibrator Operator, Acetylene Torch & Air Hammer Operator; Scaffold Builder, Caisson Worker	L33401-B-SB 7/16/2013	\$43.80	\$62.33	\$80.85 H H H H H H H D Y
--	-----------------------	---------	---------	---------------------------

If conditions beyond the employer/employee's control prevent one or more hours of working during Mon-Fri, the employer may choose to work up to 10 hour straight time weekdays. Work may be scheduled up to 10 hours per Mon-Fri for the purpose of reaching 40 hours @ straight time. Make up days may also include 8 Saturday

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732
 County: Wayne

Official Rate Schedule
 Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 11 of 33

Classification		Last Updated	Straight Time and a Hourly	Double Time	Overtime Provision
Name	Description				

Furnace Battery Heater Tender, Burning Bar & Oxy-Acetylene Gun	L33401-D-HH	7/16/2013	\$44.04	\$62.69	\$81.33	H H H H H H H D Y
--	-------------	-----------	---------	---------	---------	-------------------

If conditions beyond the employer/employee's control prevent one or more hours of working during Mon-Fri, the employer may choose to work up to 10 hour straight time weekdays. Work may be scheduled up to 10 hours per Mon-Fri for the purpose of reaching 40 hours @ straight time. Make up days may also include 8 hours of work on Saturdays @ straight time.

Make up day allowed comment
Saturday

Expediter Man, Top Man and/or Bottom Man (Blast Furnace Work or Battery Work)	L33401-E-EX	7/16/2013	\$44.79	\$63.81	\$82.83	H H H H H H H D Y
---	-------------	-----------	---------	---------	---------	-------------------

If conditions beyond the employer/employee's control prevent one or more hours of working during Mon-Fri, the employer may choose to work up to 10 hour straight time weekdays. Work may be scheduled up to 10 hours per Mon-Fri for the purpose of reaching 40 hours @ straight time. Make up days may also include 8 hours of work on Saturdays @ straight time.

Make up day allowed comment
Saturday

Cleaner/Sweeper Laborer; Furniture Laborer	L33401-F-CL	7/16/2013	\$38.09	\$53.76	\$69.43	H H H H H H H D Y
--	-------------	-----------	---------	---------	---------	-------------------

If conditions beyond the employer/employee's control prevent one or more hours of working during Mon-Fri, the employer may choose to work up to 10 hour straight time weekdays. Work may be scheduled up to 10 hours per Mon-Fri for the purpose of reaching 40 hours @ straight time. Make up days may also include 8 hours of work on Saturdays @ straight time.

Make up day allowed comment
Saturday

Lansing Burner, Blaster & Powder Man; Air, Electric or Gasoline Tool Operator (Blast Furnace Work or Battery Work)	L334C	7/16/2013	\$44.29	\$63.06	\$81.83	X X H X H H H D Y
--	-------	-----------	---------	---------	---------	-------------------

Make up day allowed comment
Saturday

Official Request #: 106
Requestor: Wayne State University
Project Description: 5447 Woodward - Abatement Renovation

Project Number: 063-233732
County: Wayne

Official Rate Schedule
Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 12 of 33

Classification			Last Updated	Straight Time and a	Double	Overtime
Name	Description			Hourly	Time	Provision
Plasterer Tender, Plastering Machine Operator	LPT-1		10/25/2013	\$43.54	\$61.94	\$80.33 X X H H H H H D Y

If conditions beyond the employer/employee's control prevent one or more hours of working during Mon-Fri, the employer may choose to work up to 10 hour straight time weekdays. Work may be scheduled up to 10 hours per Mon-Fri for the purpose of reaching 40 hours @ straight time. Make up days may also include 8

Make up day allowed comment
Saturday

Apprentice Rates:

0 - 1,000 hours	\$37.60	\$53.03	\$68.45
1,001 - 2,000 hours	\$38.79	\$54.81	\$70.83
2,001 - 3,000 hours	\$39.98	\$56.60	\$73.21
3,001 - 4,000 hours	\$42.35	\$60.15	\$77.95

Laborer - Hazardous

Class A performing work in conjunction with site preparation and other preliminary work prior to actual removal, handling, or containment of hazardous waste substances not requiring use of personal protective equipment required by state or federal regulations; or a laborer performing work in conjunction with the removal, handling, or containment of hazardous waste substances when use of personal protective equipment level "D" is required.

LHAZ-Z1-A	11/7/2014	\$43.54	\$61.94	\$80.33	H H H H H H H D Y
-----------	-----------	---------	---------	---------	-------------------

Make up day allowed comment

4 10s allowed M-Th or T-F; inclement weather makeup day Friday

Apprentice Rates:

0-1,000 work hours	\$37.60	\$53.03	\$68.45
1,001-2,000 work hours	\$38.79	\$54.81	\$70.83
2,001-3,000 work hours	\$39.98	\$56.60	\$73.21
3,001-4,000 work hours	\$42.35	\$60.15	\$77.95

Official Request #: 106
Requestor: Wayne State University
Project Description: 5447 Woodward - Abatement Renovation

Project Number: 063-233732
County: Wayne

Official Rate Schedule
Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 13 of 33

Classification Name Description	Last Updated	Straight Time and a Hourly Half	Double Time	Overtime Provision
------------------------------------	--------------	------------------------------------	----------------	-----------------------

Class B performing work in conjunction with the removal, handling, or containment of hazardous waste substances when the use of personal protective equipment levels "A", "B" or "C" is required.	LHAZ-Z1-B	11/7/2014	\$44.54	\$63.44	\$82.33	H H H H H H H D Y
---	-----------	-----------	---------	---------	---------	-------------------

Make up day allowed comment

4 10s allowed M-Th or T-F; inclement weather makeup day Friday

Apprentice Rates:

0-1,000 work hours	\$38.36	\$54.17	\$69.97
1,001-2,000 work hours	\$39.59	\$56.01	\$72.43
2,001-3,000 work hours	\$40.83	\$57.87	\$74.91
3,001-4,000 work hours	\$43.30	\$61.58	\$79.85

Laborer Underground - Tunnel, Shaft & Caisson

Class I - Tunnel, shaft and caisson laborer, dump man, shanty man, hog house tender, testing man (on gas), and watchman.	LAUCT-Z1-1	9/6/2013	\$37.87	\$48.66	\$59.44	X X X X X X X D Y
--	------------	----------	---------	---------	---------	-------------------

Apprentice Rates:

0-1,000 work hours	\$33.05	\$41.43	\$49.80
1,001-2,000 work hours	\$34.02	\$42.88	\$51.74
2,001-3,000 work hours	\$34.98	\$44.32	\$53.66
3,001-4,000 work hours	\$36.91	\$47.21	\$57.52

Class II - Manhole, headwall, catch basin builder, bricklayer tender, mortar man, material mixer, fence erector, and guard rail builder.	LAUCT-Z1-2	9/6/2013	\$37.98	\$48.82	\$59.66	X X X X X X X D Y
--	------------	----------	---------	---------	---------	-------------------

Apprentice Rates:

0-1,000 work hours	\$33.14	\$41.56	\$49.98
1,001-2,000 work hours	\$34.10	\$43.00	\$51.90
2,001-3,000 work hours	\$35.07	\$44.45	\$53.84
3,001-4,000 work hours	\$37.01	\$47.37	\$57.72

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732
 County: Wayne

Official Rate Schedule
 Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 14 of 33

Classification	Name	Description	Last Updated	Straight Time and a Half Hourly	Double Time	Overtime Provision
	Class III - Air tool operator (jack hammer man, bush hammer man and grinding man), first bottom man, second bottom man, cage tender, car pusher, carrier man, concrete man, concrete form man, concrete repair man, cement invert laborer, cement finisher, concrete shoveler, conveyor man, floor man, gasoline and electric tool operator, gunnite man, grout operator, welder, heading dinky man, inside lock tender, pea gravel operator, pump man, outside lock tender, scaffold man, top signal man, switch man, track man, tugger man, utility man, vibrator man, winch operator, pipe jacking man, wagon drill and air track operator and concrete saw operator (under 40 h.p.).	LAUCT-Z1-3	9/6/2013	\$38.04	\$48.91	\$59.78 X X X X X X D Y

Apprentice Rates:

0-1,000 work hours	\$33.18	\$41.62	\$50.06
1,001-2,000 work hours	\$34.15	\$43.07	\$52.00
2,001-3,000 work hours	\$35.12	\$44.53	\$53.94
3,001-4,000 work hours	\$37.07	\$47.45	\$57.84

Class IV - Tunnel, shaft and caisson mucker, bracer man, liner plate man, long haul dinky driver and well point man.	LAUCT-Z1-4	9/6/2013	\$38.22	\$49.18	\$60.14 X X X X X X D Y
--	------------	----------	---------	---------	-------------------------

Apprentice Rates:

0-1,000 work hours	\$33.32	\$41.83	\$50.34
1,001-2,000 work hours	\$34.30	\$43.30	\$52.30
2,001-3,000 work hours	\$35.28	\$44.77	\$54.26
3,001-4,000 work hours	\$37.24	\$47.71	\$58.18

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732
 County: Wayne

Official Rate Schedule
 Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 15 of 33

Classification Name Description		Last Updated	Straight Time and Hourly	a Half	Double Time	Overtime Provision
Class V - Tunnel, shaft and caisson miner, drill runner, keyboard operator, power knife operator, reinforced steel or mesh man (e.g. wire mesh, steel mats, dowel bars)	LAUCT-Z1-5	9/6/2013	\$38.47	\$49.56	\$60.64	X X X X X X D Y

Apprentice Rates:

0-1,000 work hours	\$33.50	\$42.10	\$50.70
1,001-2,000 work hours	\$34.50	\$43.60	\$52.70
2,001-3,000 work hours	\$35.49	\$45.09	\$54.68
3,001-4,000 work hours	\$37.48	\$48.07	\$58.66

Class VI - Dynamite man and powder man.	LAUCT-Z1-6	9/6/2013	\$38.80	\$50.05	\$61.30	X X X X X X D Y
---	------------	----------	---------	---------	---------	-----------------

Apprentice Rates:

0-1,000 work hours	\$33.75	\$42.47	\$51.20
1,001-2,000 work hours	\$34.76	\$43.99	\$53.22
2,001-3,000 work hours	\$35.77	\$45.51	\$55.24
3,001-4,000 work hours	\$37.79	\$48.53	\$59.28

Class VII - Restoration laborer, seeding, sodding, planting, cutting, mulching and topsoil grading and the restoration of property such as replacing mail boxes, wood chips, planter boxes and flagstones.	LAUCT-Z1-7	9/6/2013	\$32.08	\$39.97	\$47.86	X X X X X X D Y
--	------------	----------	---------	---------	---------	-----------------

Apprentice Rates:

0-1,000 work hours	\$28.71	\$34.91	\$41.12
1,001-2,000 work hours	\$29.38	\$35.92	\$42.46
2,001-3,000 work hours	\$30.06	\$36.94	\$43.82
3,001-4,000 work hours	\$31.41	\$38.97	\$46.52

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732
 County: Wayne

Official Rate Schedule
Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 16 of 33

Classification	Name	Description	Last Updated	Straight Time and a Half Hourly	Double Time	Overtime Provision
Landscape Laborer						
	Landscape Specialist includes air, gas, and diesel equipment operator, skidsteer (or equivalent), lawn sprinkler installer on landscaping work where seeding, sodding, planting, cutting, trimming, backfilling, rough grading or maintenance of landscape projects occurs.	LLAN-Z1-A	6/26/2014	\$28.58	\$39.49	\$50.39 X X H X X X H D Y
	Sundays paid at time & one half. Holidays paid at double time.					
	Skilled Landscape Laborer: small power tool operator, lawn sprinkler installers' tender, material mover, truck driver when seeding, sodding, planting, cutting, trimming, backfilling, rough grading or maintaining of landscape projects occurs	LLAN-Z1-B	6/26/2014	\$24.36	\$33.16	\$41.95 X X H X X X H D Y
	Sundays paid at time & one half. Holidays paid at double time.					
Marble Finisher						
	Marble Finisher A 4 ten workweek may be worked Monday thru Thursday or Tuesday thru Friday.	BR1-MF	10/20/2014	\$43.48	\$54.29	\$65.10 H H D H D D D D Y

Apprentice Rates:

Level 1	\$19.04	\$25.12	\$31.20
Level 2	\$20.24	\$26.92	\$33.60
Level 3	\$27.01	\$33.96	\$40.90
Level 4	\$28.47	\$36.14	\$43.82
Level 5	\$29.99	\$37.84	\$45.70
Level 6	\$31.61	\$39.86	\$48.10
Level 7	\$33.30	\$41.59	\$49.87
Level 8	\$34.79	\$43.48	\$52.17

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732
 County: Wayne

Official Rate Schedule
 Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 17 of 33

Classification		Last Updated	Straight Time and a Half	Double Time	Overtime Provision
Name	Description		Hourly		
Marble Mason					
Marble Mason	BR1-MM	10/17/2014	\$50.29	\$64.51	\$78.72 H H D H D D D Y
A 4 ten workweek may be worked Monday thru Thursday or Tuesday thru Friday.					

Apprentice Rates:

Level 1	\$25.14	\$32.65	\$40.15
Level 2	\$28.20	\$36.49	\$44.78
Level 3	\$33.41	\$41.97	\$50.53
Level 4	\$36.15	\$45.66	\$55.17
Level 5	\$38.42	\$48.17	\$57.92
Level 6	\$42.07	\$53.56	\$65.05
Level 7	\$42.74	\$54.38	\$66.02
Level 8	\$43.67	\$55.78	\$67.88

Operating Engineer

Crane with boom & jib or leads 120' or longer <i>comment</i> Double time after 12 hours M-F	EN-324-A120	6/12/2014	\$57.11	\$74.62	\$92.13 X X H H D D D Y
Crane with boom & jib or leads 140' or longer Work in excess of 12 per day M-F shall be paid at double time.	EN-324-A140	6/12/2014	\$57.93	\$75.85	\$93.77 X X H H D D D Y
Crane with boom & jib or leads 220' or longer Work in excess of 12 per day M-F shall be paid at double time.	EN-324-A220	6/12/2014	\$58.23	\$76.30	\$94.37 X X H H D D D Y
Crane with boom & jib or leads 300' or longer Work in excess of 12 per day M-F shall be paid at double time.	EN-324-A300	6/12/2014	\$59.73	\$78.55	\$97.37 X X H H D D D Y

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732
 County: Wayne

Official Rate Schedule
 Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 18 of 33

Classification		Last Updated	Straight Time and a		Double Time	Overtime Provision								
Name	Description		Hourly	Half		Time								
	Crane with boom & jib or leads 400' or longer Work in excess of 12 per day M-F shall be paid at double time.	EN-324-A400	6/12/2014	\$61.23	\$80.80	\$100.37	X	X	H	H	D	D	D	Y
	Compressor or welding machine Work in excess of 12 per day M-F shall be paid at double time.	EN-324-CW	6/12/2014	\$46.26	\$58.35	\$70.43	X	X	H	H	D	D	D	Y
	Forklift, lull, extend-a-boom forklift Work in excess of 12 per day M-F shall be paid at double time.	EN-324-FL	6/12/2014	\$53.57	\$69.31	\$85.05	X	X	H	H	D	D	D	Y
	Fireman or oiler Work in excess of 12 per day M-F shall be paid at double time.	EN-324-FO	6/12/2014	\$45.23	\$56.80	\$68.37	X	X	H	H	D	D	D	Y
	Regular crane, job mechanic, concrete pump with boom Work in excess of 12 per day M-F shall be paid at double time.	EN-324-RC	6/12/2014	\$56.25	\$73.33	\$90.41	X	X	H	H	D	D	D	Y
	Regular engineer, hydro-excavator, remote controlled concrete breaker Work in excess of 12 per day M-F shall be paid at double time.	EN-324-RE	6/12/2014	\$55.28	\$71.88	\$88.47	X	X	H	H	D	D	D	Y

Apprentice Rates:

0-999 hours	\$44.32	\$55.94	\$67.55
1,000-1,999 hours	\$45.99	\$58.45	\$70.89
2,000-2,999 hours	\$47.64	\$60.92	\$74.19
3,000-3,999 hours	\$49.30	\$63.41	\$77.51
4,000-4,999 hours	\$50.96	\$65.90	\$80.83
5,000-5,999 hours	\$52.62	\$68.39	\$84.15

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732
 County: Wayne

Official Rate Schedule
Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 19 of 33

<u>Classification</u>		Last Updated	Straight Time and a Half Hourly	Double Time	Overtime Provision
Name	Description				
Operating Engineer - DIVER					
	Diver/Wet Tender/Tender/Rov Pilot/Rov Tender	GLF D	4/2/2014	\$52.80 \$79.20 \$105.60	H H H H H H D N

Operating Engineer - Marine Construction

	Diver/Wet Tender, Engineer (hydraulic dredge)	GLF-1	2/12/2014	\$65.00 \$84.85 \$104.70	X X H H H H D Y
--	---	-------	-----------	--------------------------	-----------------

Make up day allowed

Subdivision of county all Great Lakes, islands therein, & connecting & tributary waters

	Crane/Backhoe Operator, 70 ton or over Tug Operator, Mechanic/Welder, Assistant Engineer (hydraulic dredge), Leverman (hydraulic dredge), Diver Tender	GLF-2	2/12/2014	\$63.50 \$82.60 \$101.70	X X H H H H D Y
--	--	-------	-----------	--------------------------	-----------------

Holiday pay = \$120.80 per hour, wages &

Make up day allowed

Subdivision of county All Great Lakes, islands therein, & connecting & tributary waters

	Friction, Lattice Boom or Crane License Certification	GLF-2B	2/12/2014	\$64.50 \$84.10 \$103.70	X X H H H H D Y
--	---	--------	-----------	--------------------------	-----------------

Holiday pay = \$123.30

Make up day allowed

Subdivision of county All Great Lakes, islands, therein, & connecting & tributary waters

	Deck Equipment Operator, Machineryman, Maintenance of Crane (over 50 ton capacity) or Backhoe (115,000 lbs or more), Tug/Launch Operator, Loader, Dozer on Barge, Deck Machinery	GLF-3	2/12/2014	\$59.30 \$76.30 \$93.30	X X H H H H D Y
--	--	-------	-----------	-------------------------	-----------------

Holiday pay = \$110.30 per hour, wages &

Make up day allowed

Subdivision of county All Great Lakes, islands therein, & connecting & tributary waters

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732
 County: Statewide

Official Rate Schedule
Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 20 of 33

Classification Name Description	Last Updated	Straight Time and a Hourly Half	Double Time	Overtime Provision
Deck Equipment Operator, (Machineryman/Fireman), (4 equipment units or more), Off Road Trucks, Deck Hand, Tug Engineer, & Crane Maintenance 50 ton capacity and under or Backhoe 115,000 lbs or less, Assistant Tug Operator	GLF-4 2/12/2014	\$53.60 \$67.75	\$81.90	X X H H H H H D Y
Holiday pay = \$96.05 per hour, wages & fringes Make up day allowed				
<u>Subdivision of county</u> All Great Lakes, islands therein, & connecting & tributary waters				
Operating Engineer Steel Work				
Forklift, 1 Drum Hoist	EN-324-ef 9/5/2014	\$58.16 \$76.37	\$94.58	H H D H H H D D Y
Make up day allowed comment 4 10s allowed M-Th with Friday makeup day because of bad weather				
Crane w/ 120' boom or longer	EN-324-SW120 9/5/2014	\$60.86 \$80.42	\$99.98	H H D H H H D D Y
Make up day allowed comment 4 10s allowed M-Th with Friday makeup day because of bad weather				
Crane w/ 120' boom or longer w/ Oiler D	EN-324-SW120-O Y 9/5/2014	\$61.86 \$81.92	\$101.98	H H D H H H D
Make up day allowed comment 4 10s allowed M-Th with Friday makeup day because of bad weather				
Crane w/ 140' boom or longer	EN-324-SW140 9/5/2014	\$62.04 \$82.19	\$102.34	H H D H H H D D Y
Make up day allowed comment 4 10s allowed M-Th with Friday makeup day because of bad weather				
Crane w/ 140' boom or longer W/ Oiler D	EN-324-SW140-O Y 9/5/2014	\$63.04 \$83.69	\$104.34	H H D H H H D
Make up day allowed comment 4 10s allowed M-Th with Friday makeup day because of bad weather				
Boom & Jib 220' or longer	EN-324-SW220 9/5/2014	\$62.31 \$82.60	\$102.88	H H D H H H D D Y
Make up day allowed comment 4 10s allowed M-Th with Friday makeup day because of bad weather				
Crane w/ 220' boom or longer w/ Oiler D	EN-324-SW220-O Y 9/5/2014	\$63.31 \$84.10	\$104.88	H H D H H H D
Make up day allowed comment 4 10s allowed M-Th with Friday makeup day because of bad weather				

Official Request #: 106
Requestor: Wayne State University
Project Description: 5447 Woodward - Abatement Renovation

Project Number: 063-233732
County: Wayne

Official Rate Schedule
Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 21 of 33

Classification Name Description	Last Updated	Straight Time and a Hourly Half	Double Time	Overtime Provision
Boom & Jib 300' or longer <i>Make up day allowed comment</i> 4 10s allowed M-Th with Friday makeup day because of bad weather	EN-324-SW300 9/5/2014	\$63.81	\$84.85	\$105.88 H H D H H H D D Y
Crane w/ 300' boom or longer w/ Oiler D <i>Make up day allowed comment</i> 4 10s allowed M-Th with Friday makeup day because of bad weather	EN-324-SW300-O Y	9/5/2014	\$64.81	\$86.35\$107.88 H H D H H H D
Boom & Jib 400' or longer <i>Make up day allowed comment</i> 4 10s allowed M-Th with Friday makeup day because of bad weather	EN-324-SW400 9/5/2014	\$65.31	\$87.10	\$108.88 H H D H H H D D Y
Crane w/ 400' boom or longer w/ Oiler D <i>Make up day allowed comment</i> 4 10s allowed M-Th with Friday makeup day because of bad weather	EN-324-SW400-O Y	9/5/2014	\$66.31	\$88.60\$110.88 H H D H H H D
Crane Operator, Job Mechanic, 3 Drum Hoist & Excavator <i>Make up day allowed comment</i> 4 10s allowed M-Th with Friday makeup day because of bad weather	EN-324-SWCO 9/5/2014	\$60.50	\$79.88	\$99.26 H H D H H H D D Y
Apprentice Rates:				
	0-999 hours	\$47.87	\$61.43	\$75.00
	1,000-1,999 hours	\$49.81	\$64.35	\$78.88
	2,000-2,999 hours	\$51.74	\$67.24	\$82.74
	3,000-3,999 hours	\$53.68	\$70.15	\$86.62
	4,000-4,999 hours	\$55.62	\$73.07	\$90.50
	5,000 hours	\$57.56	\$75.97	\$94.38
Crane Operator w/ Oiler D <i>Make up day allowed comment</i> 4 10s allowed M-Th with Friday makeup day because of bad weather	EN-324-SWCO-O Y	9/5/2014	\$61.50	\$81.38\$101.26 H H D H H H D
Compressor or Welder Operator <i>Make up day allowed comment</i> 4 10s allowed M-Th with Friday makeup day because of bad weather	EN-324-SWCW 9/5/2014	\$53.15	\$68.86	\$84.56 H H D H H H D D Y

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732
 County: Wayne

Official Rate Schedule
Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 22 of 33

Classification	Name	Description	Last Updated	Straight Time and a Half Hourly	Double Time	Overtime Provision
	Hoisting Operator, 2 Drum Hoist, & Rubber Tire Backhoe	EN-324-SWHO	9/5/2014	\$59.86	\$78.92	\$97.98 H H D H H H D D Y
	<i>Make up day allowed comment</i> 4 10s allowed M-Th with Friday makeup day because of bad weather					
	Oiler	EN-324-SWO	9/5/2014	\$51.64	\$66.59	\$81.54 H H D H H H D D Y
	<i>Make up day allowed comment</i> 4 10s allowed M-Th with Friday makeup day because of bad weather					
	Tower Crane & Derrick where work is 50' or more above first level	EN-324-SWTD50 Y	9/5/2014	\$61.59	\$81.52	\$101.44 H H D H H H D
	<i>Make up day allowed comment</i> 4 10s allowed M-Th with Friday makeup day because of bad weather					
	Tower Crane & Derrick 50' or more w/ Oiler	EN-324-SWTD50-0 Y	9/5/2014	\$62.59	\$83.02	\$103.44 H H D H H H D
	<i>Make up day allowed comment</i> 4 10s allowed M-Th with Friday makeup day because of bad weather					

Operating Engineer Underground

Class I Equipment	EN-324A1-UC1	10/14/2014	\$51.74	\$66.98	\$82.22	H H H H H H H D Y
-------------------	--------------	------------	---------	---------	---------	-------------------

Apprentice Rates:

0-999 hours	\$41.79	\$52.45	\$63.12
1,000-1,999 hours	\$43.32	\$54.75	\$66.18
2,000-2,999 hours	\$44.84	\$57.03	\$69.22
3,000-3,999 hours	\$46.36	\$59.31	\$72.26
4,000-4,999 hours	\$47.89	\$61.61	\$75.32
5,000-5,999 hours	\$49.41	\$63.89	\$78.36

Class II Equipment	EN-324A1-UC2	10/14/2014	\$47.01	\$59.89	\$72.76	H H H H H H H D Y
--------------------	--------------	------------	---------	---------	---------	-------------------

Class III Equipment	EN-324A1-UC3	10/14/2014	\$46.28	\$58.79	\$71.30	H H H H H H H D Y
---------------------	--------------	------------	---------	---------	---------	-------------------

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732
 County: Wayne

Official Rate Schedule
 Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 23 of 33

Classification Name Description	Last Updated	Straight Time and a Hourly Half	Double Time	Overtime Provision
Class IV Equipment	EN-324A1-UC4 10/14/2014	\$45.71 \$57.94	\$70.16	H H H H H H D Y
Master Mechanic Y	EN-324A1-UMM	10/14/2014 \$51.99	\$67.81 \$83.63	H H H H H H H D

Painter

Painter (8 hours of repaint work performed on Sunday shall be paid time & one half rate) PT-22-P 10/8/2014 \$42.82 \$55.63 \$68.43 H H D H D D D D Y

Four 10s allowed Monday-Thursday with Friday makeup day if job down due to weather, holiday or other conditions beyond the control of the employer.

Make up day allowed comment

Fridays for bad weather or holidays

Apprentice Rates:

First 6 months	\$30.02	\$36.43	\$42.83
Second 6 months	\$33.86	\$42.19	\$50.51
Third 6 months	\$35.14	\$44.11	\$53.07
Fourth 6 months	\$36.42	\$46.03	\$55.63
Fifth 6 months	\$37.70	\$47.95	\$58.19
Final 6 months	\$38.98	\$49.87	\$60.75

Pipe and Manhole Rehab

General Laborer for rehab work or normal cleaning and cctv work-top man, scaffold man, CCTV assistant, jetter-vac assistant TM247 10/15/2012 \$27.20 \$36.70 H H H H H H H H N

Tap cutter/CCTV Tech/Grout Equipment Operator: unit driver and operator of CCTV; grouting equipment and tap cutting equipment TM247-2 10/15/2012 \$31.70 \$43.45 H H H H H H H H N

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732
 County: Statewide

Official Rate Schedule
 Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 24 of 33

Classification Name Description		Last Updated	Straight Time and Hourly	a Half	Double Time	Overtime Provision
CCTV Technician/Combo Unit Operator: unit driver and operator of cctv unit or combo unit in connection with normal cleaning and televising work	TM247-3	10/15/2012	\$30.45	\$41.57		H H H H H H H N
Boiler Operator: unit driver and operator of steam/water heater units and all ancillary equipment associated	TM247-4	10/15/2012	\$32.20	\$44.20		H H H H H H H N
Combo Unit driver & Jetter-Vac Operator	TM247-5	10/15/2012	\$32.20	\$44.20		H H H H H H H N
Pipe Bursting & Slip-lining Equipment Operator	TM247-6	10/15/2012	\$33.20	\$45.70		H H H H H H H N
Pipefitter						
Pipefitter	PF-636	6/30/2014	\$66.73	\$87.93	\$105.13	H H D H D D D Y

comment

Four 10s allowed during the week preceding, following and/or the week of a holiday.

Apprentice Rates:

1st & 2nd periods	\$26.93	\$35.28	\$42.28
3rd period	\$28.93	\$38.28	\$46.28
4th period	\$30.18	\$40.16	\$48.78
5th period	\$31.43	\$42.03	\$51.28
6th period	\$32.68	\$43.90	\$53.78
7th period	\$33.93	\$45.78	\$56.28
8th period	\$34.93	\$47.28	\$58.28
9th period	\$35.93	\$48.78	\$60.28
10th period	\$37.36	\$50.92	\$63.14

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732
 County: Wayne

Official Rate Schedule
 Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 25 of 33

Classification		Last Updated	Straight Time and a Half Hourly	Double Time	Overtime Provision
Name	Description				
Plasterer					
Plasterer	BR1P	11/1/2012	\$45.04	\$67.56	\$90.08 H H H H H H D N
	<i>Make up day allowed comment</i>				
	Saturday				
Apprentice Rates:					
	1st 6 months		\$32.11	\$48.17	\$64.22
	2nd 6 months		\$33.40	\$50.10	\$66.80
	3rd 6 months		\$34.69	\$52.04	\$69.38
	4th 6 months		\$37.28	\$55.92	\$74.56
	5th 6 months		\$39.87	\$59.81	\$79.74
	6th 6 months		\$42.45	\$63.68	\$84.90
Plasterer	PL67	9/8/2010	\$44.72	\$60.11	\$75.50 H H H X D D D D N
Apprentice Rates:					
	1st 6 months		\$29.33	\$37.02	\$44.72
	2nd 6 months		\$30.87	\$39.34	\$47.80
	3rd 6 months		\$32.41	\$41.64	\$50.88
	4th 6 months		\$35.49	\$46.26	\$57.04
	5th 6 months		\$38.56	\$51.16	\$63.76
	6th 6 months		\$41.64	\$55.49	\$69.34

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation

 Project Number: 063-233732
 County: Wayne

Official Rate Schedule
Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 26 of 33

Classification		Last Updated	Straight Time and a Half Hourly	Double Time	Overtime Provision
Name	Description				

Plumber

Plumber	PL-98	7/18/2013	\$64.45	\$84.87	\$101.29	H H D H D D D D Y
---------	-------	-----------	---------	---------	----------	-------------------

comment

4 tens allowed M-Th or T-F; OT of time and one half required on 11th & 12th hour of any ten hour days

Apprentice Rates:

Period 1	\$19.93	\$26.43	\$32.93
Period 2	\$23.90	\$31.40	\$38.90
Period 3	\$30.60	\$39.19	\$47.77
Period 4	\$31.23	\$40.13	\$49.03
Period 5	\$32.39	\$41.87	\$51.35
Period 6	\$33.54	\$43.59	\$53.65
Period 7	\$34.69	\$45.32	\$55.95
Period 8	\$35.86	\$47.07	\$58.29
Period 9	\$37.01	\$48.80	\$60.59
Period 10	\$38.16	\$50.53	\$62.89

Roofer

Commercial Roofer	RO-149-WOM	8/18/2008	\$48.46	\$62.29	\$76.62	H H D H H H D D N
-------------------	------------	-----------	---------	---------	---------	-------------------

Straight time is not to exceed ten (10) hours per day or forty (40) hours per week.

Make up day allowed

Apprentice Rates:

Apprentice 1	\$32.62	\$39.86	\$48.04
Apprentice 2	\$36.80	\$44.80	\$53.30
Apprentice 3	\$38.22	\$46.93	\$56.14
Apprentice 4	\$39.25	\$48.48	\$58.20
Apprentice 5	\$40.47	\$50.30	\$60.64
Apprentice 6	\$41.87	\$52.40	\$63.44

Sewer Relining

Class I-Operator of audio visual CCTV system including remote in-ground cutter and other equipment used in conjunction with CCTV	SR-I	11/3/2014	\$42.76	\$57.75	\$72.74	H H H H H H D N
--	------	-----------	---------	---------	---------	-----------------

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732
 County: Statewide

Official Rate Schedule
 Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 27 of 33

<u>Classification</u>		Last Updated	Straight Time and a Hourly	Double Time	Overtime Provision
Name	Description				
	Class II-Operator of hot water heaters and circulation system; water jetters; and vacuum and mechanical debris removal systems and those assisting.	SR-II	11/3/2014	\$41.23 \$55.46 \$69.68	H H H H H H D N
Sheet Metal Worker					
	Sheet Metal Worker A 4 10 schedule may be worked, 4 consecutive days Monday thru Friday.	SHM-80	9/9/2014	\$61.83 \$78.74 \$95.65	H H D X H H H D Y
Apprentice Rates:					
	1st & 2nd Periods Indentured after 6-1-11			\$39.18 \$46.79 \$54.40	
	3rd & 4th Periods Indentured after 6-1-11			\$40.88 \$49.34 \$57.80	
	5th & 6th Periods Indentured after 6-1-11			\$42.56 \$51.86 \$61.16	
	7th & 8th Periods Indentured after 6-1-11			\$44.25 \$54.40 \$64.54	
	9th & 10th Periods Indentured before 6-1-11			\$51.92 \$64.44 \$76.96	
	Siding and decking <i>Make up day allowed</i>	SHM-80-SD	1/13/2014	\$42.07 \$54.28 \$66.48	H H H H H H D Y

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732
 County: Wayne

Official Rate Schedule
 Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 28 of 33

Classification		Last Updated	Straight Time and a Half Hourly	Double Time	Overtime Provision
Name	Description				
Sprinkler Fitter					
Sprinkler Fitter		SP 704	12/19/2014	\$64.92	\$86.15 \$107.38 H H D H D D D D Y
4 ten hour days allowed Monday-Friday					
Double time pay due after 12 hours worked M-F					

Apprentice Rates:

1st Period	\$28.29	\$36.78	\$45.27
2nd Period	\$41.57	\$51.12	\$60.68
3rd Period	\$43.69	\$54.30	\$64.92
4th Period	\$45.81	\$57.48	\$69.16
5th Period	\$47.94	\$60.68	\$73.42
6th Period	\$50.06	\$63.86	\$77.66
7th Period	\$52.18	\$67.04	\$81.90
8th Period	\$54.30	\$70.22	\$86.14
9th Period	\$56.43	\$73.42	\$90.40
10th Period	\$58.55	\$76.60	\$94.64

Terrazzo

Terrazzo Finisher		BR1-TRF	10/17/2014	\$43.97	\$55.03 \$66.08 H H D H D D D D Y
A 4 ten workweek may be worked Monday thru Thursday or Tuesday thru Friday.					

Apprentice Rates:

Level 1	\$19.04	\$25.12	\$31.20
Level 2	\$20.24	\$26.92	\$33.60
Level 3	\$27.01	\$33.96	\$40.90
Level 4	\$28.47	\$36.14	\$43.82
Level 5	\$29.99	\$37.84	\$45.70
Level 6	\$31.61	\$39.86	\$48.10
Level 7	\$33.30	\$41.59	\$49.87
Level 8	\$34.79	\$43.48	\$52.17

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation

Project Number: 063-233732
 County: Wayne

Official Rate Schedule
 Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 29 of 33

Classification			Last Updated	Straight Time and a	Double	Overtime
Name	Description			Hourly	Time	Provision
Terrazzo Worker		BR1-TRW	10/17/2014	\$49.73	\$63.67	\$77.60 H H D H D D D D Y
A 4 ten workweek may be worked Monday thru Thursday or Tuesday thru Friday.						

Apprentice Rates:

Level 1	\$25.14	\$32.65	\$40.15
Level 2	\$28.20	\$36.49	\$44.78
Level 3	\$33.41	\$41.97	\$50.53
Level 4	\$36.15	\$45.66	\$55.17
Level 5	\$38.42	\$48.17	\$57.92
Level 6	\$42.07	\$53.56	\$65.05
Level 7	\$42.74	\$54.38	\$66.02
Level 8	\$43.67	\$55.78	\$67.88

Tile

Tile Finisher		BR1-TF	10/17/2014	\$43.50	\$54.32	\$65.14 H H D H D D D D Y
A 4 ten workweek may be worked Monday thru Thursday or Tuesday thru Friday.						

Apprentice Rates:

Level 1	\$19.04	\$25.12	\$31.20
Level 2	\$20.24	\$26.92	\$33.60
Level 3	\$27.01	\$33.96	\$40.90
Level 4	\$28.47	\$36.14	\$43.82
Level 5	\$29.99	\$37.84	\$45.70
Level 6	\$31.61	\$39.86	\$48.10
Level 7	\$33.30	\$41.59	\$49.87
Level 8	\$34.79	\$43.48	\$52.17

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732
 County: Wayne

Official Rate Schedule
 Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 30 of 33

Classification		Last Updated	Straight Time and a Half	Double Time	Overtime Provision
Name	Description		Hourly		
Tile Layer	BR1-TL	10/17/2014	\$49.68	\$63.59	\$77.50 H H D H D D D D Y
A 4 ten workweek may be worked Monday thru Thursday or Tuesday thru Friday.					

Apprentice Rates:

Level 1	\$25.14	\$32.65	\$40.15
Level 2	\$28.20	\$36.49	\$44.78
Level 3	\$33.41	\$41.97	\$50.53
Level 4	\$36.15	\$45.66	\$55.17
Level 5	\$38.42	\$48.17	\$57.92
Level 6	\$42.07	\$53.56	\$65.05
Level 7	\$42.74	\$54.38	\$66.02
Level 8	\$43.67	\$55.78	\$67.88

Truck Driver

on all trucks of 8 cubic yard capacity or less (except dump trucks of 8 cubic yard capacity or over, tandem axle trucks, transit mix and semis, euclid type equipment, double bottoms and low boys)	TM-RB1	8/8/2013	\$41.92	\$37.85	H H H H H H H H Y
of all trucks of 8 cubic yard capacity or over	TM-RB1A	8/8/2013	\$41.30	\$38.00	H H H H H H H H Y
on euclid type equipment <i>Make up day allowed</i>	TM-RB1B	8/8/2013	\$41.45	\$38.23	H H H H H H H H Y

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732
 County: Wayne

Official Rate Schedule
Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 31 of 33

Classification	Name	Description	Last Updated	Straight Time and a Half Hourly	Double Time	Overtime Provision
----------------	------	-------------	--------------	---------------------------------	-------------	--------------------

Underground Laborer Open Cut, Class I

Construction Laborer	LAUC-Z1-1	9/5/2013	\$37.72	\$48.43	\$59.14	X X X X X X D Y
----------------------	-----------	----------	---------	---------	---------	-----------------

Apprentice Rates:

0-1,000 work hours	\$32.94	\$41.26	\$49.58
1,001-2,000 work hours	\$33.90	\$42.70	\$51.50
2,001-3,000 work hours	\$34.85	\$44.13	\$53.40
3,001-4,000 work hours	\$36.76	\$46.99	\$57.22

Underground Laborer Open Cut, Class II

Mortar and material mixer, concrete form man, signal man, well point man, manhole, headwall and catch basin builder, guard rail builders, headwall, seawall, breakwall, dock builder and fence erector.	LAUC-Z1-2	10/25/2013	\$37.83	\$48.60	\$59.36	X X X X X X D Y
---	-----------	------------	---------	---------	---------	-----------------

Apprentice Rates:

0-1,000 work hours	\$33.02	\$41.38	\$49.74
1,001-2,000 work hours	\$33.98	\$42.82	\$51.66
2,001-3,000 work hours	\$34.95	\$44.27	\$53.60
3,001-4,000 work hours	\$36.87	\$47.15	\$57.44

Underground Laborer Open Cut, Class III

Air, gasoline and electric tool operator, vibrator operator, drillers, pump man, tar kettle operator, bracers, rodder, reinforced steel or mesh man (e.g. wire mesh, steel mats, dowel bars, etc.), cement finisher, welder, pipe jacking and boring man, wagon drill and air track operator and concrete saw operator (under 40 h.p.), windlass and tugger man, and directional boring man.	LAUC-Z1-3	9/5/2013	\$37.88	\$48.67	\$59.46	X X X X X X D Y
--	-----------	----------	---------	---------	---------	-----------------

Apprentice Rates:

0-1,000 work hours	\$33.06	\$41.44	\$49.82
1,001-2,000 work hours	\$34.02	\$42.88	\$51.74
2,001-3,000 work hours	\$34.99	\$44.33	\$53.68
3,001-4,000 work hours	\$36.92	\$47.23	\$57.54

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732
 County: Wayne

Official Rate Schedule
 Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 32 of 33

Classification		Last Updated	Straight Time and a Half Hourly	Double Time	Overtime Provision
Name	Description				
Underground Laborer Open Cut, Class IV					
Trench or excavating grade man.	LAUC-Z1-4	9/5/2013	\$37.96	\$48.79	\$59.62 X X X X X X D Y

Apprentice Rates:

0-1,000 work hours	\$33.12	\$41.53	\$49.94
1,001-2,000 work hours	\$34.09	\$42.99	\$51.88
2,001-3,000 work hours	\$35.06	\$44.44	\$53.82
3,001-4,000 work hours	\$36.99	\$47.33	\$57.68

Underground Laborer Open Cut, Class V

Pipe Layer	LAUC-Z1-5	9/5/2013	\$38.02	\$48.88	\$59.74 X X X X X X D Y
------------	-----------	----------	---------	---------	-------------------------

Apprentice Rates:

0-1,000 work hours	\$33.16	\$41.59	\$50.02
1,001-2,000 work hours	\$34.14	\$43.06	\$51.98
2,001-3,000 work hours	\$35.11	\$44.51	\$53.92
3,001-4,000 work hours	\$37.05	\$47.43	\$57.80

Underground Laborer Open Cut, Class VI

Grouting man, top man assistant, audio visual television operations and all other operations in connection with closed circuit television inspection, pipe cleaning and pipe relining work and the installation and repair of water service pipe and appurtenances.	LAUC-Z1-6	9/5/2013	\$35.47	\$45.06	\$54.64 X X X X X X D Y
---	-----------	----------	---------	---------	-------------------------

Apprentice Rates:

0-1,000 work hours	\$31.25	\$38.73	\$46.20
1,001-2,000 work hours	\$32.10	\$40.00	\$47.90
2,001-3,000 work hours	\$32.94	\$41.26	\$49.58
3,001-4,000 work hours	\$34.63	\$43.79	\$52.96

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation

Project Number: 063-233732
 County: Wayne

Official Rate Schedule
 Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

Official 2015 Prevailing Wage Rates for State Funded Projects

Issue Date: 1/27/2015

Contract must be awarded by: 4/27/2015

Page 33 of 33

<u>Classification</u>		Last Updated	Straight Time and a Half	Double Time	Overtime Provision
Name	Description				
Underground Laborer Open Cut, Class VII					
	Restoration laborer, seeding, sodding, planting, cutting, mulching and topsoil grading and the restoration of property such as replacing mail boxes, wood chips, planter boxes, flagstones etc.	LAUC-Z1-7 9/5/2013	\$32.09	\$39.99	\$47.88 X X X X X X D Y

Apprentice Rates:

0-1,000 work hours	\$28.72	\$34.93	\$41.14
1,001-2,000 work hours	\$29.39	\$35.93	\$42.48
2,001-3,000 work hours	\$30.07	\$36.95	\$43.84
3,001-4,000 work hours	\$31.42	\$38.98	\$46.54

Official Request #: 106
 Requestor: Wayne State University
 Project Description: 5447 Woodward - Abatement Renovation
 Project Number: 063-233732
 County: Wayne

Official Rate Schedule
 Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing wage and fringe benefit rates prescribed in a contract.

WAYNE STATE UNIVERSITY
PAYMENT PACKAGE DOCUMENT REQUIREMENTS (Revised 5-06-2011):

Review and comply with Section 410 of Bid Front End Documents.
 Review and comply with Article 15 of the Supplemental General Conditions.

AIA DOCUMENT G702 & G703 – (or facsimile thereof) Payment Application Checklist:

- Correct Project Name – Found on your contract.
- Correct Project Number – Found on your contract.
- Purchase Order Number – Required prior to beginning work.
- Correct Application Number. (i.e. 1, 2, 3, etc.)
- Correct Period Reporting Dates – Applications support docs must be sequential and within application range.
- Approved & Executed Change Orders must be listed. (Cannot invoice for unapproved changes.)
- Schedule of values percentages and amounts match the approved Pencil Copy Review – Signed by the Architect, Contractor, and University Project Manager.
- Correct Dates – Back dating not accepted.
- Signed and Notarized.

SWORN STATEMENT – Checklist:

- List all contractors, sub-contractors, suppliers... ≥ \$1000.00
 - Contractor's Sworn Statement amounts must coincide with Column "C" of the schedule of values document. Any unassigned or uncommitted value of contract shall be shown on an entry "Contractor – Unassigned" followed by the amount necessary to cause the „contracted to date" column of the sworn statement to equate with the schedule of value column totals.
 - Current Date – Back dating not accepted.
 - Signed and Notarized.
- A Sworn Statement is required from every Sub Contractor on the job with a material purchase or sub-subcontract of \$1,000 or more. (all the way down to the bottom tier)

**DEPT. of LABOR FORM WH-347 – Certified Payroll Checklist:
 (Union and Non-Union)**

- For every contractor & sub-contractors work, for each week within the application for payment reporting period. (For every „boot" on the floor representing the weeks within the application period)
- Wayne State University Project Number – Found on your contract.
- List ALL workers who have worked on the project site.
- Make sure workers addresses are listed.
- NO Social Security Numbers, if present they MUST be blackened out or listed in XXX-XX-1234 format.
- Work classifications based on the job specific Prevailing Wage Schedule descriptions. If you require rates for additional classifications, contact the Michigan Department of Consumer & Industry Services. (Refer to Section 410 of Bid Front End Documents.)
http://www.cis.state.mi.us/bwuc/bsr/wh/revised_rates/whc_tbl.htm
- Apprenticeship program status – proof of enrolled program and current completion required for any workers paid at Apprenticeship rates.
- Rate of Pay verified against the Prevailing Wage Schedule with an hourly costs breakdown of fringes paid. (Refer to attachment for State of Michigan instructions and example)
- Authorized signatures on affidavit.

**APPLICATION PACKAGE SUPPORTING DOCUMENTATION –
 Must accompany all package reporting periods: (Union and Non-Union)**

- Copies of Pay Stubs may be required for each Certified Payroll period reported – (Social Security Numbers MUST be blackened out or listed in XXX-XX-1234 format. Pay stubs need to reflect claimed participation of fringes like Medical, Dental, Retirement or 1099 classification.)
- Proof of Ownership for any „Owner Operator" (Sole Proprietor) contractors not claiming their time under prevailing wage act. – (Must list their hours and dates worked on the WH-347 Form and enter EXEMPT on the income brackets.). The Owner Operator must provide copies of "DBA" registration form confirming status as exempt from prevailing wage requirements.
- Proof of Stored Materials – (Detailed Bill of Sale, certificate of insurance or endorsement page specifically insuring the stored materials, pictures, when large value. WSU reserves the right to on site verification of material. Stored material must be separated from ordinary inventory and labeled for WSU project.

- Partial Unconditional Waivers – Must release the accumulated amount paid for work and be immediately provided, or provided with the subsequent application for payment. Waivers shall be provided for contractors, sub-contractors, and suppliers listed on the Sworn Statements. (This is required at all tiers)
- Full Unconditional Waivers – Prime Contractor must deliver fully executed Full Unconditional Waiver upon receipt of final payment. Full Unconditional waivers may be required of sub-contractors and suppliers in advance of final Contractor payment on bonded projects This requirement shall be determined on a project-by-project basis. Full Unconditional waivers shall be required in advance of or at the time of final payment on all non-bonded projects from all subcontractors and suppliers listed on Sworn Statements, or who have provided a notice of furnishing.
- Partial Conditional Waivers – The Contractor shall provide a Partial Conditional Waivers covering the entire amount of the application for payment. For non-bonded Projects – A partial conditional waiver from all subcontractors must accompany any application for payment within which a subcontractor draw is included.
- Sworn Statements – Required for all Sub Contractors, and Sub-subcontractors (etc.) with any contracts or purchases exceeding \$1,000.

FINAL PAYMENT EXCHANGE – Checklist:

- Clear and concise As-Built drawings.
- Operation and Maintenance Manuals.
- Required training must be completed (if applicable).
- Warranty of work in accordance with project documents.
- Certificate of Substantial Completion.
- Full Unconditional Waiver

The Project Manager may provide additional requirements as may apply to individual jobs

Revised 5-6-2011

WAYNE STATE UNIVERSITY

AGREEMENT BETWEEN THE UNIVERSITY AND CONTRACTOR FOR CONSTRUCTION SERVICES (rev 6-2013)

Executed as of the _____ day of _____, 2014 by and between:

The Board of Governors, Wayne State University
Detroit, Michigan 48202
(The University)

and

CONTRACTOR'S NAME
CONTRACTOR'S ADDRESS

regarding

Renovation of 5447 Woodward for Social Work – Abatement
5447 Woodward
WSU Project No. 063-233732

In consideration of the mutual covenants and conditions contained herein, the Parties agree as follows:

Article 1 - Scope of Work

- 1.1 This Agreement provides for **Hazardous Material Abatement at 5447 Woodward**, located at **5447 Woodward**. The documents listed in Article 4 fully define the scope of work.
- 1.2 The Contractor shall furnish all the labor, materials, equipment, services, and supervision to perform all the work shown on the drawings and specifications listed in Article 18, including any addenda issued during the bid phase, and approved change orders issued during the construction phase.
- 1.3 The Contractor shall notify the University in writing within five (5) calendar days when the Contractor discovers any condition that will affect the contract amount or the completion date.

Article 2 - Time of Completion

- 2.1 The work to be performed under this Agreement shall commence upon the Contractor's receipt of a fully-executed Agreement, and substantial completion shall be achieved by **June 30, 2015**.

Article 3 - The Contract Sum

- 3.1 The University shall pay the Contractor a "lump sum/not-to-exceed (pick one)" amount of \$\$\$\$\$\$ ("Amount in words 00" /100 dollars) for the performance of all work associated with the Contractor's Base Bid "and Alternates (List)".
- 3.2 The University may, at its sole discretion, during the life of the contract, award the following alternates at the amounts indicated: "(If section 3.2 is not used, delete all text and enter Deleted)"

	Description	Amount
Alternate #1		
Alternate #2		
Alternate #3		

- 3.3 In the event additional work becomes necessary, the following unit prices will apply: "(If section 3.3 is not used, delete all text and enter Deleted)"

Work Item	Unit Price
1.	
2.	
3.	

Article 4 - The Contract Documents

- 4.1 The Contract Documents shall consist of this Agreement, the drawings and specifications as listed in Article 18, the General Conditions of the Contract for Construction as defined by AIA Document A201 1970 Edition, except as otherwise provided herein, and Wayne State University's Supplementary General Conditions 1997 Edition.
- 4.2 For any inconsistencies found among or between these Contract Documents, the language contained in this Agreement shall prevail over all other documents and the Supplementary General Conditions shall prevail over the General Conditions. In the event of a conflict between the Drawings and Specifications, the requirement for the higher quantity and/or higher quality shall prevail.

Article 5 - Examination of Premises

- 5.1 The Contractor acknowledges that the University provided the opportunity for a thorough examination of the project site and its surroundings and that the Contractor knows of no conditions preventing accomplishment of the full scope of work within the time and for the amount specified in this Agreement.

- 5.2 The University will deny all claims for additional time and/or cost for conditions that could have been reasonably discovered during such an examination.

Article 6 - The Architect/Engineer

- 6.1 The Architect/Engineer for this project is:
"(List the Architect and Engineer separately if appropriate)"

EKS Services Incorporated
7451 Third Street
Detroit MI 48202
(Architect Phone No / Fax No)

- 6.2 The University will appoint a Project Manager who will be the University's point of contact for all matters of contract administration including, but not limited to, interpretation of documents, defining the scope of work, approving work schedules, and approving contract payments.

Article 7 - Additional Work

- 7.1 The University reserves the right to let other Agreements in connection with this work. The Contractor will afford other Contractors or the University's own workforce reasonable opportunity for the delivery and storage of their material and for the performance of their work and shall properly connect and coordinate its work with theirs.
- 7.2 If any part of the Contractor's work depends for proper execution or results upon the work of another Contractor or the University's own workforce, the Contractor shall inspect and promptly report to the University's Project Manager any defects in such work that render it unsuitable for such proper execution and results. The Contractor's failure to so inspect and report shall constitute an acceptance of the work of others as fit and proper for reception of the Contractor's work and as a waiver of any claim or defense against the University or other contractor which relies in whole or in part upon the contention that such work was unsuitable for proper execution and resolution.

Article 8 - Dispute Resolution

- 8.1 Jurisdiction over all claims, disputes, and other matters in question arising out of or relating to this contract or the breach thereof, shall rest in the Court of Claims of the State of Michigan. No provision of this agreement may be construed as Wayne State University's consent to submit any claim, dispute or other matter in question for dispute resolution pursuant to any arbitration or mediation process, whether or not provisions for dispute resolution are included in a document which has been incorporated by reference into this agreement. Specifically, all references to Arbitration contained in the General Conditions are superceded by this Article.
- 8.2 In any claim or dispute by the Contractor against the University, which cannot be resolved by negotiation, the Contractor shall submit the dispute in writing for an administrative decision by the University's Vice President for Finance and Administration, within 30 days of the end of negotiations. Any decision of the Vice President shall be made within 45 days of receipt from the Contractor and is final unless it is challenged by the Contractor by filing a lawsuit in the Court of Claims of the State of Michigan within one year of the issuance of the decision. The Contractor agrees that appeal to the Vice President is a condition precedent to filing suit in the Michigan Court of Claims.
- 8.3 For purposes of this section, the "end of negotiations" shall be deemed to have occurred when:
- 8.3.1 Either party informs the other that pursuant to this section, negotiations are at an impasse; or
- 8.3.2 The Contractor submits the dispute in writing to the Vice President.
- 8.4 Unless otherwise agreed by the University in writing, and notwithstanding any other rights or obligations of either of the parties under any Contract Documents or Agreement, the Contractor shall continue with the

performance of its services and duties during the pendency of any negotiations or proceedings to resolve any claim or dispute, and the University shall continue to make payments in accordance with the Contract Documents; however, the University shall not be required or obligated to make payments on or against any such claims or disputes during the pendency of any proceeding to resolve such claims or disputes.

Article 9 - Termination for Convenience

- 9.1 Upon thirty days written notice to the Contractor, the University may, without cause and without prejudice to any other right or remedy of the University, elect to terminate the contract. In such case, the Contractor shall only be paid (without duplication of any items), using a Close out Change Order, for the following:
- 9.1.1 For completed and acceptable work executed in accordance with the Contract Documents prior to the effective date of termination, including fair and reasonable sums for overhead and profit on such Work;
- 9.1.2 For expenses sustained prior to the effective date of termination in performing services and furnishing labor, materials, or equipment as required by the Contract Documents in connection with uncompleted work, including fair and reasonable sums for overhead and profit on such expenses.
- 9.2 The Contractor shall not be paid on account of loss of anticipated profits or revenue, delay or disruption, or other economic loss arising out of or resulting from such termination. For purposes of this section, "fair and reasonable sums for overhead and profit" shall be determined by reference to Michigan law, without reference to principles used for such determinations in arbitration.

Article 10 - Progress Payments

- 10.1 On or before the 20th day of each month, the Contractor shall submit a written application for payment, using form AIA G702, to the Architect/Engineer and the University's Project Manager for review. The Architect/Engineer shall have ten (10) calendar days to accept or reject the Contractor's application for payment. Acceptable applications for payment shall then be submitted to the University for Payment of authorized amount(s) within thirty (30) calendar days of receipt by the University's Project Manager.
- 10.2 The application for payment shall contain a full schedule of values organized and sorted by subcontractor, by Construction Specifications Institute standard work categories, or in another format acceptable to the University.
- 10.3 Monthly progress payments shall show the percentage of work installed as of the date of the application, less amount previously installed and the amount due for the application period. The Contractor shall deduct a 10% retainage from the balance due for each progress payment and indicate the net amount due on each application.
- 10.4 When 50% of the work associated with this Agreement is installed, the Contractor shall not deduct additional retainage from the balance due from the University. When substantial completion is achieved and acknowledged by the Architect/Engineer, the Contractor and the University in writing, the University shall remit to the Contractor all but 2% of the retainage. The remaining 2% shall be retained by the University until the final payment is authorized and remitted to the Contractor.

Article 11 - Acceptance and Final Payments

- 11.1 Final payment shall be due thirty (30) days after the completion of the work, including all punch list items, provided the work is fully completed and the Agreement fully performed.
- 11.2 Upon receipt of written notice that the work is ready for final inspection and acceptance, the Architect/Engineer shall promptly inspect the work. When the Architect/Engineer concludes that the work is acceptable and the Agreement to be fully performed, the Architect/Engineer shall promptly issue a final certificate with an original signature, stating that the work provided is complete and acceptable and that the entire remaining balance found to be due the Contractor shall be remitted by the University once the final application for payment is received.
- 11.3 If, after the work has been substantially completed, full completion thereof is materially delayed through no

fault of the Contractor, and the Architect/Engineer so certifies, the University shall, upon certificate of the Architect/Engineer, and without terminating the Contract, make payments of the balance due for that portion of the work fully completed and accepted. Such payments shall be made under the terms and conditions governing final payment, except that it shall not constitute a waiver of claims.

Article 12 - Non-Discrimination

- 12.1 The Contractor agrees that it will not discriminate against any employee or applicant for employment, to be employed in the performance of this Agreement, with respect to hire, tenure, terms, conditions or privileges of employment or any matter directly or indirectly related to employment, because of race, color, religion, sex, age, national origin, or ancestry. Breach of this covenant may be regarded as material breach of this Agreement.
- 12.2 The Contractor further agrees that it will, in all subcontracts relating to the performance of the work under this Agreement, provide in its subcontracts that the subcontractor will not discriminate against any employee or applicant for employment, to be employed in the performance of such contract, with respect to hire, tenure, terms, conditions or privileges of employment, or any matter directly or indirectly related to employment because of race, sex, age, color, religion, national origin or ancestry. Breach of this covenant may also be regarded as a material breach of this Agreement.

Article 13 – Laborers and Mechanics

- 13.1 All laborers and mechanics must be covered by Worker's Compensation and Employer's Liability Insurance as required by Federal and Michigan law. The Contractor shall also require all of its Subcontractors to maintain this insurance coverage.
- 13.2 The Contractor acknowledges and shall abide by the University's prohibition on use of 1099 independent contractors and owner / operator business entities. The Contractor shall ensure that all classifications of laborers and construction mechanics performing Work on the Project job site are employees of the Contractor or any Trade Contractor for any tier thereof, and that each worker is covered by workers compensation insurance.

Article 14 - Prevailing Wages

- 14.1 The Contractor and each subcontractor shall pay to each class of mechanics and laborers not less than the wage and fringe benefit rates prevailing in the Detroit Metropolitan Area, as determined by the United States Department of Labor. The Contractor shall post on site, in a conspicuous place, a copy of all applicable wage and benefit rates, and shall provide the University with a copy of the applicable wage and benefit rates.
- 14.2 The Contractor and each subcontractor shall keep an accurate record showing the name and occupation of and the actual benefits and wages paid to each laborer and mechanic employed in connection with this contract. The Contractor and each subcontractor shall make certified payroll records available to the University's representatives upon request.
- 14.3 If a Contractor or subcontractor fails to pay the prevailing rates of wages and fringe benefits and does not cure such failure within ten (10) days after notice to do so by the University, the University shall have the right, at its option, to do any or all of the following:
- 14.3.1 Withhold all or any portion of payments due the Contractor as may be considered necessary by the University to pay laborers and mechanics the difference between the rates of wages and fringe benefits required by this Agreement and the actual wage and fringe benefits paid.
- 14.3.2 Terminate part or all of this Agreement or any subagreement and proceed to complete the Agreement or subagreement by separate agreement with another Contractor or otherwise, in which case the Contractor and its sureties shall be liable to the University for any excess costs incurred by the University.

- 14.4 The Contractor shall include terms identical or substantially similar to this section in any Agreement or subagreement pertaining to the project.

Article 15 - Save Harmless (Revised 2-2015)

- 15.1 To the fullest extent permitted by law, the Contractor shall hold harmless, defend, and indemnify the Board of Governors of Wayne State University, the University, the Architect and Architect's Consultants, and officers, employees, representatives and agents of each of them, from and against any and all claims or losses arising out of or alleged to be resulting from, or relating to (1) the failure of the Contractor to perform its obligations under the Contract or the performance of its obligation in a willful or negligent manner; (2) the inaccuracy of any representation or warranty by the Contractor given in accordance with or contained in the Contract Documents; and (3) any claim of damage or loss by any subcontractor, or supplier, or laborer against the University, the Architect or the Architect's consultants arising out of any alleged act or omission of the Contractor or any other subcontractor, or anyone directly or indirectly employed by the Contractor or any subcontractor.

The Contractor shall also be liable for and hereby agrees to pay, reimburse, fully indemnify and hold the University, the Architect and Architect's Consultants, harmless from and against all costs and expenses of every nature (including attorney fees and expenses incident thereto) incurred by the University in collecting the amounts due from the Contractor, or otherwise enforcing its rights, under the indemnification described in this Article.

Article 16 - Liquidated Damages

- 16.1 It is understood and agreed that, if the project is not completed within the time specified in the Agreement plus any extension of time allowed pursuant thereto, the actual damages sustained by the University because of any such delay will be uncertain and difficult to ascertain, and it is agreed that the reasonable foreseeable value of the use of said project by the University would be the sum of **\$500.00, Five hundred Dollars** per day. Therefore, the Contractor shall pay as liquidated damages to the University the sum of **\$500.00, Five hundred Dollars** per day for each day's delay in substantially completing said project beyond the time specified in this Agreement and any extensions of time allowed thereunder.

"ENTER N/A FOR ABOVE AMOUNT IF NO LIQUIDATED DAMAGES"

Article 17- Interpretation

- 17.1 This Agreement shall be interpreted and construed according to the laws of the State of Michigan.
- 17.2 If one part of this Agreement is found to be void by legal or legislative action, the remainder of the contract remains in full effect.

Article 18 - Drawings and Specifications

18.1 The Technical Specifications and the Project Manual dated **February 19, 2015**, and the following List of Drawings represents the scope of work as defined in the Contract Documents from Article 4.

DRAWINGS

Drawing No.:	Description	dated
DI1.0	INDEX OF DRAWINGS	December 19, 2014
AG0.1	GENERAL NOTES AND DETAILS	December 19, 2014
AG0.2	GENERAL SYMBOLS AND ABBREVIATIONS	December 19, 2014
AG1.0	CODE SUMMARY	December 19, 2014
AG1.1	LOWER LEVEL LIFE SAFETY PLAN	December 19, 2014
AG1.2	FIRST LEVEL LIFE SAFETY PLAN	December 19, 2014
AG1.3	SECOND LEVEL LIFE SAFETY PLAN	December 19, 2014
AD0	LOWER LEVEL DEMOLITION PLAN	December 19, 2014
AD1	FIRST LEVEL DEMOLITION PLAN	December 19, 2014
AD2	SECOND LEVEL DEMOLITION PLAN	December 19, 2014
A0.0	ALTERNATE KEY PLANS	December 19, 2014
A1.0	LOWER LEVEL FLOOR PLAN	December 19, 2014
A1.1	FIRST LEVEL FLOOR PLAN	December 19, 2014
A1.2	SECOND LEVEL FLOOR PLAN	December 19, 2014
A1.3	ROOF PLAN	December 19, 2014
A2.0	LOWER LEVEL REFLECTED CEILING PLAN	December 19, 2014
A2.1	FIRST LEVEL REFLECTED CEILING PLAN	December 19, 2014
A2.2	SECOND LEVEL REFLECTED CEILING PLAN	December 19, 2014
A6.1	ENLARGED TOILET ROOM PLANS & ELEVATIONS	December 19, 2014
A7.1.0	DOOR SCHEDULE	December 19, 2014
A7.4.1	PARTITION TYPES	December 19, 2014
A7.4.2	FRAMING DETAILS	December 19, 2014
A7.4.3	FIRESTOPPING AND PENETRATION DETAILS	December 19, 2014
A7.5.0	DETAILS / SECTIONS	December 19, 2014
A7.5.1	CEILING DETAILS	December 19, 2014
A7.5.2	STRUCTURAL DETAILS	December 19, 2014
A7.6.0	MILLWORK ELEVATIONS	December 19, 2014
A7.6.1	MILLWORK DETAILS	December 19, 2014
A7.6.2	MILLWORK DETAILS	December 19, 2014
A7.6.3	MILLWORK ELEVATIONS / TYP DETAILS	December 19, 2014
A7.7.1	MATERIAL INDEX	December 19, 2014
A7.7.2	ROOM FINISH SCHEDULE	December 19, 2014
A7.7.3	SIGNAGE SCHEDULE	December 19, 2014
A7.8.0	LOWER LEVEL FINISH PLAN	December 19, 2014
A7.8.1	FIRST LEVEL FINISH PLAN	December 19, 2014
A7.8.2	SECOND LEVEL FINISH PLAN	December 19, 2014
M0.1	MECHANICAL STANDARDS AND DRAWING INDEX	December 19, 2014
MD1.00	UNDERGROUND PLUMBING DEMOLITION PLAN	December 19, 2014
MD1.0	LOWER LEVEL MECHANICAL DEMOLITION PLAN	December 19, 2014
MD1.1	FIRST FLOOR MECHANICAL DEMOLITION PLAN	December 19, 2014
MD1.2	SECOND FLOOR MECHANICAL DEMOLITION PLAN	December 19, 2014
MD1.3	ROOF MECHANICAL DEMOLITION PLAN	December 19, 2014
M2.00	UNDERGROUND PLUMBING PLAN	December 19, 2014
M2.0	LOWER LEVEL PLUMBING PLAN	December 19, 2014
M2.1	FIRST FLOOR PLUMBING PLAN	December 19, 2014
M2.2	SECOND FLOOR PLUMBING PLAN	December 19, 2014
M2.3	ENLARGED PLUMBING PLANS	December 19, 2014
M3.0	LOWER LEVEL HVAC PIPING PLAN	December 19, 2014
M3.1	FIRST FLOOR HVAC PIPING PLAN	December 19, 2014
M3.2	SECOND FLOOR HVAC PIPING PLAN	December 19, 2014
M4.0	LOWER LEVEL SHEET METAL PLAN	December 19, 2014

M4.1	FIRST FLOOR SHEET METAL PLAN	December 19, 2014
M4.2	SECOND FLOOR SHEET METAL PLAN	December 19, 2014
M4.3	ROOF MECHANICAL PLAN	December 19, 2014
M6.1	MECHANICAL DETAILS	December 19, 2014
M6.2	MECHANICAL DETAILS	December 19, 2014
M6.3	MECHANICAL DETAILS	December 19, 2014
M6.4	MECHANICAL DETAILS	December 19, 2014
M7.1	MECHANICAL SCHEDULES	December 19, 2014
M7.2	MECHANICAL SCHEDULES	December 19, 2014
M7.3	MECHANICAL SCHEDULES	December 19, 2014
M7.4	MECHANICAL SCHEDULES	December 19, 2014
M7.5	MECHANICAL SCHEDULES	December 19, 2014
M7.6	MECHANICAL SCHEDULES	December 19, 2014
M8.1	TEMPERATURE CONTROL STANDARDS AND GENERAL NOTES	December 19, 2014
M8.2	TEMPERATURE CONTROLS	December 19, 2014
M8.3	TEMPERATURE CONTROLS	December 19, 2014
M8.4	TEMPERATURE CONTROLS	December 19, 2014
M8.5	TEMPERATURE CONTROLS	December 19, 2014
M8.6	TEMPERATURE CONTROLS	December 19, 2014
E0.1	ELECTRICAL STANDARDS AND DRAWING INDEX	December 19, 2014
E0.2	ELECTRICAL STANDARD SCHEDULES	December 19, 2014
E0.3	ELECTRICAL SITE PLAN	December 19, 2014
ED1.0	LOWER LEVEL ELECTRICAL DEMOLITION PLAN	December 19, 2014
ED1.1	FIRST FLOOR ELECTRICAL DEMOLITION PLAN	December 19, 2014
ED1.2	SECOND FLOOR ELECTRICAL DEMOLITION PLAN	December 19, 2014
ED1.3	ROOF ELECTRICAL DEMOLITION PLAN	December 19, 2014
E2.0	LOWER LEVEL LIGHTING PLAN	December 19, 2014
E2.1	FIRST FLOOR LIGHTING PLAN	December 19, 2014
E2.2	SECOND FLOOR LIGHTING PLAN	December 19, 2014
E3.0	LOWER LEVEL POWER AND AUXILIARY SYSTEMS PLAN	December 19, 2014
E3.1	FIRST FLOOR POWER AND AUXILIARY SYSTEMS PLAN	December 19, 2014
E3.2	SECOND FLOOR POWER AND AUXILIARY SYSTEMS PLAN	December 19, 2014
E3.3	ROOF POWER AND AUXILIARY SYSTEMS PLAN	December 19, 2014
E4.1	ENLARGED ELECTRICAL PLANS	December 19, 2014
E5.1	ONE LINE DIAGRAM	December 19, 2014
E5.2	PANEL SCHEDULES	December 19, 2014
E5.3	PANEL SCHEDULES	December 19, 2014
E7.1	ELECTRICAL DETAILS	December 19, 2014
E7.2	ELECTRICAL DETAILS	December 19, 2014
E8.1	TELECOMMUNICATION DETAILS	December 19, 2014
E8.2	TELECOMMUNICATION DETAILS	December 19, 2014
SC-FPL	LOWER LEVEL SECURITY PLAN	December 19, 2014
SC-FP1	FIRST LEVEL SECURITY PLAN	December 19, 2014
SC-FP2	SECOND LEVEL SECURITY PLAN	December 19, 2014
SC-R1	SECURITY RISER DIAGRAM	December 19, 2014
SC-R2	SECURITY RISER DIAGRAM	December 19, 2014
SC-R3	SECURITY RISER DIAGRAM	December 19, 2014

IN WITNESS WHEREOF the parties to these presents have hereunto set their hands as of the day and year first written above.

Signed, sealed and delivered
in the presence of:

CONTRACTOR'S NAME GOES HERE

By _____
signature

Please print name here

Date signed

Title

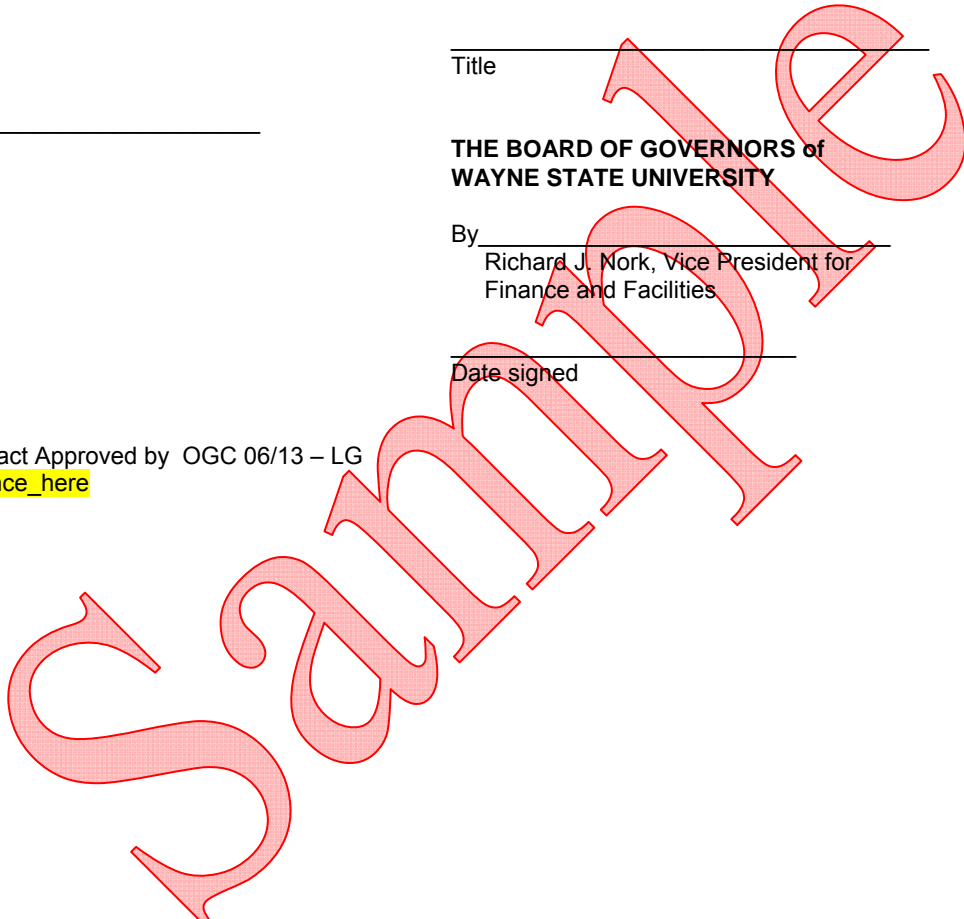
Witness

**THE BOARD OF GOVERNORS of
WAYNE STATE UNIVERSITY**

By _____
Richard J. Nork, Vice President for
Finance and Facilities

Date signed

Form Contract Approved by OGC 06/13 – LG
File_reference_here



FORM OF GUARANTEE

PROJECT: Renovation of 5447 Woodward for Social Work – Abatement

OWNER: BOARD OF GOVERNORS, WAYNE STATE UNIVERSITY

CONTRACTOR: _____

DATE: _____

Know all men by these presents that, in consideration of my (our) having been awarded the Contract or Subcontract for complete furnishing and installation of:

Renovation of 5447 Woodward for Social Work – Abatement (063-233732)

For: **Board of Governors, Wayne State University**

In conformity with drawings and specifications prepared by Architect or Engineer, **EKS Services Incorporated**, and known as the buildings indicated above, I (we) do hereby agree that, should I (we) be notified that the said work has proved faulty, etc., that I (we) will return to the buildings within three (3) working days of the receipt of such notice, and will furnish the necessary labor and material to repair such work to the satisfaction of the Owner and without cost to the Owner.

The Agreement shall remain in full force and effect **for a one year period (DATE TBD)**

WITNESS:

signed: _____
Subcontractor

by: _____

address: _____

city/state/zip: _____

signed: _____
General Contractor

by: _____

(THIS FORM TO BE FILED IN DUPLICATE.)

GENERAL CONDITIONS (Revised 10-2009)

- A. Although AIA Document A201 - Twelfth Edition (April 1970) - "General Conditions of the Contract for Construction" is not bound herein, it forms a part of these construction documents.
- B. A reference copy of AIA Document A201 - Twelfth Edition (April 1970) - "General Conditions of the Contract for Construction" is on file at the following location:

Wayne State University
Finance & Facilities Management
Procurement & Strategic Sourcing
Academic / Administrative Services Building
5700 Cass Avenue
Detroit Michigan 48202

SUPPLEMENTARY GENERAL CONDITIONS
OF
THE CONTRACT FOR CONSTRUCTION

Facilities Planning & Management - Design & Construction Services
Wayne State University

WSU SUPPLEMENTARY GENERAL CONDITIONS
OF THE
CONTRACT FOR CONSTRUCTION

NOTE: The following items related to A.I.A. General Conditions, A.I.A. Document A-201 - Twelfth Edition (April 1970), by specific number being amended to. These items, as amendments, shall have precedence over the article being amended.

ARTICLE 1 - CONTRACT DOCUMENTS

1.1 DEFINITIONS

1.1.5 The Agreement

The Agreement executed by the Contractor and the Owner.

1.2 EXECUTION, CORRELATION, INTENT, AND INTERPRETATIONS

1.2.6 "General Conditions and "Supplementary General Conditions" apply with equal force to all Contractors, Subcontractors work, and extra work required under this Contract.

1.2.7 Precedence of Drawings and Specifications.

The Agreement has precedence over WSU Supplementary General Conditions.

WSU Supplementary General Conditions have precedence over A.I.A. A-201 General Conditions of the Contract.

Specifications have precedence over drawings. Full-size drawings have precedence over scale drawings. Large-scale plans and details have precedence over small-scale plans and details. Figured dimensions have precedence over plans and elevations.

ARTICLE 2 - ARCHITECT

2.1 DEFINITION

2.1.1.1 The term Architect or Architect/Engineer as used in these specifications refers to Facilities Planning and Management - Design Services, and/or Consulting Architect/Engineer.

2.2 ADMINISTRATION OF THE CONTRACT

2.2.16 The Architect will assign Field Representatives to make periodic visits to the project for the purpose of assisting the Architect in carrying out his field responsibilities at the site. The duties, responsibilities and limitations of authority of any such Field Representative shall be as follows:

- a. Explain Contract Documents: Assist the Contractor via the Contractor's Superintendent to understand the intent of the Contract Documents.
- b. Observations: Conduct on-site observations and spot checks of the work in progress as a basis for determining conformance of the work, material, and equipment with the Contract Documents.
- c. Additional Information: Obtain from the Architect, additional details or information, if and when required, at the job site for proper execution of the work.
- d. Modifications: Consider and evaluate suggestions or modifications that may be submitted by the Contractor and report them with recommendations to the Architect for final decision.
- e. Construction Schedule and Completion: Be alert to the completion, and report same to the Architect. When the construction work has been completed in accordance with the Contract Documents, advise the Architect that the work is ready for general inspection and acceptance.

- f. Job Conferences: Attend and report to the Architect on all required conferences held at the job site.
- g. Observe Tests: See that tests which are required by the Contract Documents are actually conducted; observe, record and report to the Architect all details relative to the test procedures; and advise the architect's office in advance of the schedules of tests.
- h. Inspection by Others: If inspectors, representing local, state or federal agencies having jurisdiction over the project, visit the job site, accompany such inspectors during their trips through the project, record the outcome of these inspections, and report same to the Architect's office.
- i. Shop Drawings: Do not permit the installation of any materials and equipment for which shop drawings are required unless such drawings have been duly approved and issued by the Architect.
- j. Contractor's Requisitions for Payment: Review and make recommendations to the Architect for disposition.
- k. List of Items for Correction: After substantial completion, make a list of items for correction before final inspection and check each item as it is corrected.
- l. Owner's Occupancy of the Building: If the Owner occupies (to any degree) the building prior to actual completion of the work by the Contractor, be especially alert to possibilities of claims for damage to completed work prior to the acceptance of the building.
- m. Owner Existing Operation: In the case of additions to or Demolitions of an existing facility, which must be maintained as an operational unit, be alert to conditions on the job site which may have an effect on the Owner's existing operation.
- n. Limitations of Authority: Do not become involved in any of the following areas of responsibility unless specific exceptions are established by written instructions issued by the Architect.
 - aa. Do not authorize deviations from the Contract Documents.
 - bb. Avoid conducting any test personally.
 - cc. Do not enter into the area of responsibility of the Contractor's field superintendent.
 - dd. Do not expedite job for Contractor unless so instructed by the Architect.
 - ee. Do not advise on or issue directions relative to any aspect of the building technique or sequence unless a specific technique or sequence is called for in the Specifications or by written instructions from the Architect.
 - ff. Do not approve shop drawings or samples.
 - gg. Do not authorize or advise the Owner to occupy the Project, in whole or in part, prior to the final acceptance of the building.
 - hh. Do not issue a Certificate for Payment.

ARTICLE 3 - OWNER

3.5 OWNER'S RIGHT TO DO WORK

- 3.5.1 The Owner may exercise his right, which is hereby acknowledged by the Contractor, to let independent of the Contract for the work herein specified, any other work on the premises even if of like character and trades, and the Owner shall not be liable for any damage, loss or expense incurred by the Contractor through the fault of any other Contractor so employed by the Owner.

The Contractor acknowledges the necessity of work by others, to be performed at approximately the same time as the work hereunder, and agrees to perform his work in full cooperation with the work of such other trades and/or Contractors, partially or entirely completed, by such other trades and/or Contractors, or by the Owner, when, in the opinion of the Architect, such access or use is necessary for the performance and completion of any portion or all of the work of others or of any work on the site.

3.6 OWNER'S ACCESS AND PARTIAL OCCUPANCY

3.6.1 The Owner shall have access to the work at all times, and at his election, may from time to time (prior to the stipulated contract completion date) occupy any of the units or parts of the project as the work in connection therewith is complete to such a degree as will, in the opinion of the Owner, permit their temporary or permanent use. The Owner will, prior to any such partial occupancy, give notice to the Contractor thereof and such occupancy shall be upon the following terms:

- a. Such occupancy shall not constitute an acceptance of work not performed in accordance with the Contract nor shall such occupancy relieve the Contractor of liability to perform any work by the Contract by not complete at the time of occupancy.
- b. Except as otherwise provided by an agreement at the time of such partial occupancy, the Contractor shall be relieved of all maintenance costs on units or parts so occupied.
- c. The Contractor shall not be responsible for wear and tear or damage resulting from partial occupancy.
- d. The Owner shall assume risk of loss with respect to any unit or part so occupied.
- e. The Contractor shall, if required by the Owner, furnish heat, light, water, or other such services to the units or parts occupied and the Owner shall make proper remuneration therefore to the Contractor.

3.6.2 The Contractor agrees that the Owner shall have the right, after seven (7) days' written notice to the Contractor, to place and install as much equipment and machinery during the progress of the work as is possible before the completion of the various parts of the work; and further agrees that such placing and installation of equipment shall not in any way evidence the completion of the work or any portion thereof, nor signify the Owner's acceptance of the work or any portion thereof. Should the Owner place or install such equipment and machinery with his own forces he shall be responsible for any damage to work of the Contractor caused by the Owner's work or workmen. Should the Owner have such placement or installation performed by another Contractor, then the Owner shall require said Contractor to be responsible for all such damage caused by his work, his workers, or his subcontractors.

ARTICLE 4 - CONTRACTOR

4.4 LABOR AND MATERIALS

4.4.3 All materials shall be so delivered, stored and handled to prevent the inclusion of foreign materials and the damage of materials by water or breakage. Packaged materials shall be delivered and stored in original packages until ready for use. Packages or materials showing evidence of water or other damage shall be rejected. All materials shall be of the respective qualities specified herein.

4.4.4 The Contractor shall be responsible for the proper care and protection of all his materials, equipment, etc., delivered at the site. Building materials, equipment, etc., may be stored on the premises subject to the approval of the Architect.

4.4.5 To insure timely availability of critical materials in case of national emergency, the Contractor may order his subcontractors to proceed with fabrication of the same earlier than required by normal sequence of construction. In the event storage facilities are not available on the site or at the source of fabrication, the Owner will endeavor to provide such storage space as may be available to care for same. Where this is necessary, the Contractor shall be paid for all stored material on the Owner's property or on the properties approved by the Owner upon approval of certified invoices. It shall be the Contractor's obligation to pay for all handling costs and damage to this material. The Contractor shall protect this property against damage.

4.6 TAXES

4.6.1 The Bidder shall include in his proposal and make payment of all Federal, State, County and Municipal taxes including Michigan State Sales and Use Taxes, now in force or which may be enacted during the progress and completion of the work covered.

4.7 PERMITS, FEES AND NOTICES

4.7.3 The Contractor shall pay highway or DPW fees for damages to sidewalks, streets, or other public property or to any public utilities.

4.7.4 Permits and licenses of a temporary nature necessary for the execution of the work shall be secured and paid for by the Contractor.

4.7.5 **Except for the General Building Permit (which is not required), the Contractor shall secure and pay for all other required permits, including the following:**

Electrical	-	State of Michigan
Plumbing	-	State of Michigan
Mechanical	-	State of Michigan
Elevator-		City of Detroit

4.7.6 The Contractor shall secure certificates of inspection and of occupancy that may be required by authorities having jurisdiction over the work. These certificates shall be delivered to the Architect upon completion of the work.

4.9 SUPERINTENDENT

4.9.2 The Contractor shall give sufficient supervision to the work, using his best skill and attention. He shall carefully study and compare all drawings, specifications, and other instructions, and shall at once report to the Architect any error, inconsistency, or omission which he may discover, but he shall not be held responsible for their existence or discovery.

4.9.3 The Contractor's superintendent shall periodically inspect the entire project to make certain that all of the stipulations of all of the articles of the General Conditions are being observed.

4.12 DRAWINGS AND SPECIFICATIONS AT THE SITE

4.12.1.1 Refer to Paragraph 4.12.1, of A.I.A. General Conditions of the Contract for Construction. Modify the last sentence of this paragraph to read:

"The Drawings, marked to record all changes made during construction, shall be incorporated in the Contractor's 'Informational Package'."

4.12.2 As a basic and interim step for the fulfillment of the "Informational Package", accurate records of all non-structural underground and concealed work shall be kept, including, but not limited to, all piping, conduit, equipment, and drainage and tunnel work. In addition, such records shall be available for review during various steps of the project.

4.13 SHOP DRAWINGS AND SAMPLES

4.13.9 Immediately before and as a condition of substantial completion, the Contractor shall provide the Owner an "Informational Package" and instructional sessions on the operation, maintenance, and service of the facility. The "Informational Package" shall include:

1. One (1) set of transparency (sepia) of the approved shop drawings and descriptive material submitted during construction. Any shop documents unobtainable in sepia shall be supplied in three (3) sets.
2. One (1) set of transparency (sepia) of constructional shop drawings with all installation revisions incorporated to reflect the as-built condition. Examples of constructional shop drawings are dimensioned conduit, piping and ductwork layout drawings.
3. Three (3) sets of instructional manuals on the installation, operation, maintenance and service of equipment and systems, including parts lists.

Examples of Specific Information Required:

1. Electrical
 - a. Conduit layout of light, power, and special systems, indicating dimensionally the locations and size of runs; circuit grouping and conductor size and number in conduit runs.
 - b. System description and elementary diagrams, connection and interconnection diagrams, and device internal diagrams.
2. Mechanical
 - a. Piping and ductwork layout indicating dimensionally the location and size of the runs.
 - b. Description and diagrams of control systems.

Following the submittal of the "Informational Package", the Contractor shall schedule and provide, at the Owner's convenience, instructional sessions for Owner's personnel to acquaint them with the operation, maintenance, and service of the system.

3. Elevators
 - a. Elementary diagrams and description of sequence of operation of the system control components, connection and interconnection diagrams, and device internal diagrams.

ARTICLE 5 - SUBCONTRACTORS

- 5.2 AWARD OF SUBCONTRACTS AND OTHER CONTRACTS FOR PORTIONS OF THE WORK
- 5.2.3 Delete Article 5.2.3 in its entirety.
- 5.2.4 Delete Article 5.2.4 in its entirety.

ARTICLE 7 - MISCELLANEOUS PROVISIONS (Revised 6-13-2011)

- 7.5 PERFORMANCE BOND AND LABOR AND MATERIAL PAYMENT BOND
- 7.5.1 The successful Bidder will be required to furnish a Performance Bond and Labor and Material Payment bond in an amount equal to 100% of the contract award amount, and include such cost in the Proposal, complying with the laws of the State of Michigan. The graduated formula no longer applies.
- A. Performance Bond and Labor and Material Payment Bond shall be from a surety company acceptable to the Owner and made payable as follows:
- (1) A Labor and Material Payment bond for 100% of the contract award amount to the Board of Governors of Wayne State University, and guaranteeing the payment of all subcontractors

and all indebtedness incurred for labor, materials, or any cause whatsoever on account of the Contractor in accordance with the laws of the State of Michigan relating to such bonds.

- (2) A Performance bond for 100% of the contract award amount to the Board of Governors of Wayne State University to guarantee and insure the completion of work according to the Contract.

B. The only acceptable Performance Bond shall be the AIA A312 – 2010.

- C. The Contractor shall include with his bid evidence of his ability to obtain a Performance Bond in the amount of 100% of the bid amount, and in accordance with the terms and conditions outlined in this section, Such evidence shall be project specific and shall be submitted on a form provided by the Surety or Agent thereof.

7.7 ROYALTIES AND PATENTS

7.7.1 Indemnification and Hold Harmless (**Revised 2-2015**).

To the fullest extent permitted by law, the Contractor shall hold harmless, defend, and indemnify the Board of Governors of Wayne State University, the University, the Architect and Architect's Consultants, and officers, employees, representatives and agents of each of them, from and against any and all claims or losses arising out of or alleged to be resulting from, or relating to (1) the failure of the Contractor to perform its obligations under the Contract or the performance of its obligation in a willful or negligent manner; (2) the inaccuracy of any representation or warranty by the Contractor given in accordance with or contained in the Contract Documents; and (3) any claim of damage or loss by any subcontractor, or supplier, or laborer against the University, the Architect or the Architect's consultants arising out of any alleged act or omission of the Contractor or any other subcontractor, or anyone directly or indirectly employed by the Contractor or any subcontractor.

The Contractor shall also be liable for and hereby agrees to pay, reimburse, fully indemnify and hold the University, the Architect and Architect's Consultants, harmless from and against all costs and expenses of every nature (including attorney fees and expenses incident thereto) incurred by the University in collecting the amounts due from the Contractor, or otherwise enforcing its rights, under the indemnification described in this Article.

7.9 INTEREST

- 7.9.1 Delete Article 7.9 in its entirety.

ARTICLE 8 - TIME

8.1 DEFINITIONS

- 8.1.3 The Date of Substantial Completion of the Work is the Date certified by the Architect when construction of the entire work is sufficiently complete, in accordance with the Contract Documents, so the Owner may occupy the Work for the use for which it is intended. It is the beginning date for the guarantees on all the Project Work.

8.3.5 LIQUIDATED DAMAGES

It is understood that if said Contract is not completed within the time specified in the Contract plus any extension of time thereto, the Contractor shall pay Liquidated Damages to the Owner as set forth in Article 11 of the Agreement between Contractor and Owner for Construction.

ARTICLE 9 - PAYMENT AND COMPLETION

9.3 PROGRESS PAYMENTS

- 9.3.1 On or before the 20th day of each month, the Contractor shall submit to the Architect on the Owner's Standard Form, a written application for payment showing the proportionate value of the work installed to date from which shall be deducted, a reserve of 10% and all previous payments, and the balance of the amount as approved by the Architect shall be due and payable to the

Contractor on or about the 15th day of the succeeding month.

- 9.3.2.2 No payments will be made because of materials or equipment stored off the site, except as provided for in Subparagraph 4.4.5 of the Supplementary General Conditions or other special cases the Owner may approve.
- 9.6 FAILURE OF PAYMENT
- 9.6.1 Delete Article 9.6 in its entirety.

ARTICLE 11 - INSURANCE (Revised 2-06-2015)

- 11.1 CONTRACTOR'S LIABILITY INSURANCE
- 11.1.2 The insurance required by Subparagraph 11.1.1 shall be written for not less than any limits of liability specified herein, or required by law, whichever is greater, and shall include contractual liability insurance as applicable to the Contractor's obligations under Paragraph 4.18.

During the life of the Contract, the Contractor shall maintain the following types of insurance:

A. General Requirements

<u>Type of Insurance</u>	<u>Minimum Requirement</u>
1. Commercial General Liability (CGL) Contractor shall maintain commercial general liability (CGL) insurance shall be written on Insurance Services form CG 00 01 (or substitute form providing equivalent coverage) and shall cover liability arising from premises, operation, independent contractors, products-completed operation, and personal injury, contractual liability broad form property damage liability, products and completed operations coverage and X,C,U (explosion, collapse, underground) hazards.	\$1,000,000 combined single limit per occurrence \$2,000,000 aggregate Umbrella Liability per occurrence and in the annual aggregate of \$5,000,000.
2. Commercial Automobile Liability (CSL) (including hired and non-owned vehicles)	\$1,000,000 combined single limit
3. Workers' Compensation (Employers' Liability)	Statutory-Michigan \$500,000
4. Professional Liability insurance This limit shall be dedicated to the risks of Professional Liability and it shall not be combined with limits of any other coverages such as Environmental/Pollution General Liability, or Umbrella Liability unless otherwise approved by the Owner. Coverage shall be for the benefit of the Contracting or Design- Build entity, its principles, Employees, affiliates, agents, and partners-whether joint or several. It is presumed that this insurance will be Claims Made, and therefore must have a Retro-active date prior to the performance of any work for the Owner, whether or not such work is under contract or purchase order. This insurance will be placed with an insurer licensed to do business in the State of Michigan and rated no less than A X; by AM Best	\$5,000,000 00.00 Per Occurrence and in the Aggregate annually.

B. Maximum Acceptable Deductibles

<u>Type of Insurance</u>	<u>Maximum Deductible</u>
Comprehensive General Liability	\$5,000
Fire Legal Liability	\$5,000
Comprehensive Automobile Liability	-0-
Workers' Compensation	-0-
Property - All Risk	\$ 500
11.1.3	The Board of Governors, Wayne State University, shall be named as an additional insured but only with respect to accidents arising out of the performance of said contract. The contractor shall prepare a certificate of insurance which shall name the "Office of Risk Management; 5700 Cass Avenue" as the Wayne State University certificate holder.
11.1.3.1	The Contractor shall either 1) require each of his Subcontractors to procure and to maintain during the life of his subcontract, Subcontractors' Comprehensive General Liability, Automobile Liability and Property Damage Liability Insurance of the type and in the same amounts as specified in the Subparagraph, or 2) insure the activity of his subcontractors in his own policy.
11.2	OWNER'S LIABILITY INSURANCE Delete Article 11.2 in its entirety.
11.3	PROPERTY INSURANCE Delete Article 11.3 in its entirety and replace with the following:
11.3.1	The Contractor shall purchase and maintain property insurance upon the entire work at the site to the full insurable value thereof. This insurance shall include the interests of the Owner, the Contractor, Subcontractors, and sub-subcontractors in the work and shall insure against the perils of Fire, Extended Coverage, Vandalism, and Malicious Mischief.
11.3.2	The Owner and Contractor waive all rights against each other for damages caused by fires or other perils to the extent covered by insurance provided under Subparagraph 11.3.1. The Contractor shall require similar waivers by Subcontractors and sub-subcontractors in accordance with Clause 5.3.1.5.
11.3.3	Insurance must be issued by an insurance company with an "A rating as denoted in the AM Best Key Rating Guide".

ARTICLE 12 - CHANGES IN THE WORK

12.1	CHANGE ORDERS
12.1.8	Percentage markups in pricing under Subparagraphs 12.1.3.1, 12.1.3.3, and 1.2.4 shall be as limited in the Contract Documents. Unit price of Subparagraph 12.1.3.2 shall represent total unit cost to the Owner and shall include the Contractor's markup for overhead and profit.

ARTICLE 14 - TERMINATION OF THE CONTRACT

14.1	TERMINATION BY THE CONTRACTOR
14.1.1	If the work is stopped for a period of thirty days under any order of any court or other public authority having jurisdiction, or as a result of any act of government, such as a declaration of a national emergency making materials unavailable, through no act or fault of the contract or a subcontractor or their agents or employees or other persons performing any of the Work under a contract with the contractor, then the contractor may, upon seven days' written notice to the Owner and the Architect, terminate the contract and recover from the Owner payment for all Work executed and for any proven loss sustained upon any materials, equipment, tools, construction equipment, and machinery, including reasonable profit and damages.

ARTICLE 15 - ADDITIONAL CONDITIONS

- 15.1 SUBSTITUTION OF MATERIALS AND EQUIPMENT
- 15.1.1 Whenever a material, article, or piece of equipment is identified on the Drawings or in the Specifications by reference to manufacturers' or vendors' names, trade names, catalog numbers, or the like, it is so identified for the purpose of establishing a standard, and any material, article, or piece of equipment of other manufacturers or vendors, which will perform adequately the duties imposed by the general design will be considered equally acceptable provided the material, article, or piece of equipment so proposed is, in the opinion of the Architect, of equal substance, appearance, and function. It shall not be purchased or installed by the Contractor without the Architect's written approval.
- 15.2 NON-DISCRIMINATION PROVISION AND WAGE AND HOUR ACT
- 15.2.1 During the performance of this contract, the Contractor agrees as follows:
- 15.2.1.1 The Contractor shall not discriminate against any employee or applicant for employment because of sex, race, creed, color, age, or national origin. The Contractor will take affirmative action to insure that applicants are employed, and that employees are treated during employment without regard to their sex, race, age, creed, color, or national origin.
- 15.2.1.2 Such action shall include but not be limited to, the following: employment; upgrading; demotion; or transfer; recruitment or recruitment advertising; layoff or terminations; 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 to be provided setting forth the provisions of this non-discrimination clause.
- 15.2.1.3 The Contractor will, in all solicitations, or advertisements for employees, placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to sex, race, creed, color, age or national origin.
- 15.2.1.4 The Contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice advising the labor union or worker's representative of the Contractor's commitments under Section 202 of Executive Order No. 11246 of October 27, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- 15.2.1.5 The Contractor will comply with all provisions of the Executive Order No. 11246 of October 27, 1965, and of the rules, regulations and relevant orders of the Secretary of Labor or other government agency or authority having jurisdiction.
- 15.2.1.6 The Contractor will furnish all information and reports required by Executive Order No. 11246 of October 27, 1965, and by the rules, regulations, and orders of the Secretary of Labor or other government agency or authority having jurisdiction, and will permit access to his books, records, and accounts by the administrative agency and the Secretary of Labor for the purposes of investigation to ascertain compliance with such rules, regulations and orders.
- 15.2.1.7 In the event of the Contractor's noncompliance with the non-discrimination clauses of this contract, or with any of the said rules, regulations, or orders, this Contract may be canceled, terminated or suspended in whole or in part, and the Contractor may be declared ineligible for further University contracts or federally-assisted contracts in accordance with procedure authorized in Executive Order No. 11246 of October 27, 1965, or by rule, regulation, or order of the Secretary of Labor or other government agency or authority having jurisdiction.
- 15.2.1.8 The Contractor will include in the provisions of Subparagraph 15.2.1.1 through 15.2.1.8 in every subcontract or purchase order unless exempted by rules, regulations or orders of the President's Committee on Equal Employment Opportunity issued pursuant to Section 204 of Executive Order No. 11246 of September 14, 1965, so that provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions including sanctions

for noncompliance: Provided, however, that in the event the Contractor becomes involved as a result of such direction by the administering agency, the Contractor may request the United States to enter into such litigation to protect the interest of the United States.

- 15.3 COMPLIANCE WITH COPELAND ANTI-KICKBACK ACT AND REGULATIONS
- 15.3.1 The Contractor shall comply with the Copeland Anti-Kickback Act and Regulations of the Secretary of Labor (29CFR, Part 3) which are herein incorporated by reference.
- 15.4 PREVAILING WAGES
- 15.4.1 Contractors and subcontractors shall pay all mechanics and laborers, including apprentices and trainees, no less than the wage and fringe benefit rates prevailing in the locality in which the work is performed. Wage and fringe benefit rates are determined by the Federal Government Department of Labor.
- 15.4.2 Classifications not provided in the schedule shall be determined prior to the award of the contract and shall be no less than the wage and fringe benefit rates determined by the Federal Department of Labor.
- 15.4.3 Contractors and subcontractors shall adhere to the ratios of apprentices to journey workers as determined by the Federal Department of Labor.
- 15.4.4 Contractors and subcontractors shall keep a copy of the prescribed wage and benefit rates posted at the construction site in a conspicuous place.
- 15.4.5 Contractors and subcontractors shall keep an accurate record of the name, occupation, and the actual benefits paid to each mechanic or laborer for the contract. This record shall be made available for reasonable inspection by the Federal Department of Labor and the Owner.

DRAWINGS

The Technical Specifications dated **February 16, 2015** and the following List of Drawings represent the scope of work as defined in the Contract Documents from Article 4.

DRAWINGS

Drawing No.:	Description	
D11.0	INDEX OF DRAWINGS	December 19, 2014
AG0.1	GENERAL NOTES AND DETAILS	December 19, 2014
AG0.2	GENERAL SYMBOLS AND ABBREVIATIONS	December 19, 2014
AG1.0	CODE SUMMARY	December 19, 2014
AG1.1	LOWER LEVEL LIFE SAFETY PLAN	December 19, 2014
AG1.2	FIRST LEVEL LIFE SAFETY PLAN	December 19, 2014
AG1.3	SECOND LEVEL LIFE SAFETY PLAN	December 19, 2014
AD0	LOWER LEVEL DEMOLITION PLAN	December 19, 2014
AD1	FIRST LEVEL DEMOLITION PLAN	December 19, 2014
AD2	SECOND LEVEL DEMOLITION PLAN	December 19, 2014
A0.0	ALTERNATE KEY PLANS	December 19, 2014
A1.0	LOWER LEVEL FLOOR PLAN	December 19, 2014
A1.1	FIRST LEVEL FLOOR PLAN	December 19, 2014
A1.2	SECOND LEVEL FLOOR PLAN	December 19, 2014
A1.3	ROOF PLAN	December 19, 2014
A2.0	LOWER LEVEL REFLECTED CEILING PLAN	December 19, 2014
A2.1	FIRST LEVEL REFLECTED CEILING PLAN	December 19, 2014
A2.2	SECOND LEVEL REFLECTED CEILING PLAN	December 19, 2014
A6.1	ENLARGED TOILET ROOM PLANS & ELEVATIONS	December 19, 2014
A7.1.0	DOOR SCHEDULE	December 19, 2014
A7.4.1	PARTITION TYPES	December 19, 2014
A7.4.2	FRAMING DETAILS	December 19, 2014
A7.4.3	FIRESTOPPING AND PENETRATION DETAILS	December 19, 2014
A7.5.0	DETAILS / SECTIONS	December 19, 2014
A7.5.1	CEILING DETAILS	December 19, 2014
A7.5.2	STRUCTURAL DETAILS	December 19, 2014
A7.6.0	MILLWORK ELEVATIONS	December 19, 2014
A7.6.1	MILLWORK DETAILS	December 19, 2014
A7.6.2	MILLWORK DETAILS	December 19, 2014
A7.6.3	MILLWORK ELEVATIONS / TYP DETAILS	December 19, 2014
A7.7.1	MATERIAL INDEX	December 19, 2014
A7.7.2	ROOM FINISH SCHEDULE	December 19, 2014
A7.7.3	SIGNAGE SCHEDULE	December 19, 2014
A7.8.0	LOWER LEVEL FINISH PLAN	December 19, 2014
A7.8.1	FIRST LEVEL FINISH PLAN	December 19, 2014
A7.8.2	SECOND LEVEL FINISH PLAN	December 19, 2014
M0.1	MECHANICAL STANDARDS AND DRAWING INDEX	December 19, 2014
MD1.00	UNDERGROUND PLUMBING DEMOLITION PLAN	December 19, 2014
MD1.0	LOWER LEVEL MECHANICAL DEMOLITION PLAN	December 19, 2014
MD1.1	FIRST FLOOR MECHANICAL DEMOLITION PLAN	December 19, 2014
MD1.2	SECOND FLOOR MECHANICAL DEMOLITION PLAN	December 19, 2014
MD1.3	ROOF MECHANICAL DEMOLITION PLAN	December 19, 2014
M2.00	UNDERGROUND PLUMBING PLAN	December 19, 2014
M2.0	LOWER LEVEL PLUMBING PLAN	December 19, 2014
M2.1	FIRST FLOOR PLUMBING PLAN	December 19, 2014
M2.2	SECOND FLOOR PLUMBING PLAN	December 19, 2014
M2.3	ENLARGED PLUMBING PLANS	December 19, 2014
M3.0	LOWER LEVEL HVAC PIPING PLAN	December 19, 2014
M3.1	FIRST FLOOR HVAC PIPING PLAN	December 19, 2014
M3.2	SECOND FLOOR HVAC PIPING PLAN	December 19, 2014
M4.0	LOWER LEVEL SHEET METAL PLAN	December 19, 2014
M4.1	FIRST FLOOR SHEET METAL PLAN	December 19, 2014

M4.2	SECOND FLOOR SHEET METAL PLAN	December 19, 2014
M4.3	ROOF MECHANICAL PLAN	December 19, 2014
M6.1	MECHANICAL DETAILS	December 19, 2014
M6.2	MECHANICAL DETAILS	December 19, 2014
M6.3	MECHANICAL DETAILS	December 19, 2014
M6.4	MECHANICAL DETAILS	December 19, 2014
M7.1	MECHANICAL SCHEDULES	December 19, 2014
M7.2	MECHANICAL SCHEDULES	December 19, 2014
M7.3	MECHANICAL SCHEDULES	December 19, 2014
M7.4	MECHANICAL SCHEDULES	December 19, 2014
M7.5	MECHANICAL SCHEDULES	December 19, 2014
M7.6	MECHANICAL SCHEDULES	December 19, 2014
M8.1	TEMPERATURE CONTROL STANDARDS AND GENERAL NOTES	December 19, 2014
M8.2	TEMPERATURE CONTROLS	December 19, 2014
M8.3	TEMPERATURE CONTROLS	December 19, 2014
M8.4	TEMPERATURE CONTROLS	December 19, 2014
M8.5	TEMPERATURE CONTROLS	December 19, 2014
M8.6	TEMPERATURE CONTROLS	December 19, 2014
E0.1	ELECTRICAL STANDARDS AND DRAWING INDEX	December 19, 2014
E0.2	ELECTRICAL STANDARD SCHEDULES	December 19, 2014
E0.3	ELECTRICAL SITE PLAN	December 19, 2014
ED1.0	LOWER LEVEL ELECTRICAL DEMOLITION PLAN	December 19, 2014
ED1.1	FIRST FLOOR ELECTRICAL DEMOLITION PLAN	December 19, 2014
ED1.2	SECOND FLOOR ELECTRICAL DEMOLITION PLAN	December 19, 2014
ED1.3	ROOF ELECTRICAL DEMOLITION PLAN	December 19, 2014
E2.0	LOWER LEVEL LIGHTING PLAN	December 19, 2014
E2.1	FIRST FLOOR LIGHTING PLAN	December 19, 2014
E2.2	SECOND FLOOR LIGHTING PLAN	December 19, 2014
E3.0	LOWER LEVEL POWER AND AUXILIARY SYSTEMS PLAN	December 19, 2014
E3.1	FIRST FLOOR POWER AND AUXILIARY SYSTEMS PLAN	December 19, 2014
E3.2	SECOND FLOOR POWER AND AUXILIARY SYSTEMS PLAN	December 19, 2014
E3.3	ROOF POWER AND AUXILIARY SYSTEMS PLAN	December 19, 2014
E4.1	ENLARGED ELECTRICAL PLANS	December 19, 2014
E5.1	ONE LINE DIAGRAM	December 19, 2014
E5.2	PANEL SCHEDULES	December 19, 2014
E5.3	PANEL SCHEDULES	December 19, 2014
E7.1	ELECTRICAL DETAILS	December 19, 2014
E7.2	ELECTRICAL DETAILS	December 19, 2014
E8.1	TELECOMMUNICATION DETAILS	December 19, 2014
E8.2	TELECOMMUNICATION DETAILS	December 19, 2014
SC-FPL	LOWER LEVEL SECURITY PLAN	December 19, 2014
SC-FP1	FIRST LEVEL SECURITY PLAN	December 19, 2014
SC-FP2	SECOND LEVEL SECURITY PLAN	December 19, 2014
SC-R1	SECURITY RISER DIAGRAM	December 19, 2014
SC-R2	SECURITY RISER DIAGRAM	December 19, 2014
SC-R3	SECURITY RISER DIAGRAM	December 19, 2014

GENERAL REQUIREMENTS**GENERAL****A. CONTRACTOR'S RESPONSIBILITY**

It is not the responsibility of the Architect/Engineer or Owner's Representative to notify the Contractor or subcontractors when to commence, to cease, or to resume work; nor in any way to superintend so as to relieve the Contractor of responsibility or of any consequences of neglect or carelessness by him or his subordinates. All material and labor shall be furnished at times best suited for all Contractors and subcontractors concerned, so that the combined work of all shall be properly and fully completed on the date fixed by the Contract.

The Contractor shall be responsible for all items contained in both the specifications and on the drawings for all trades. He shall be responsible for the proper division of labor according to current labor union agreements regardless of the division of responsibility implied in the contract documents.

B. CODES AND STANDARDS

Reference to standard specifications for workmanship, apparatus, equipment and materials shall conform to the requirements of latest specifications of the organization referenced, i.e., American Society for Testing Materials (ASTM), Underwriters Laboratories, Inc. (UL), American National Standards Institute, Inc. (ANSI), and others so listed in the Technical Specifications.

C. PERMITS, FEES AND NOTICES

See Supplementary General Conditions.

D. MEASUREMENTS

Before proceeding with each Work Item, Contractor shall locate, mark and measure any quantity or each item and report quantities to Engineer. If measured quantities exceed Engineer's estimate, Contractor shall obtain written authorization to proceed from Owner before executing Work required for that Work Item.

Measurement of quantities for individual Work Items will be performed by Contractor and reviewed by Engineer. Coordinate measurements with inspection as required in Section "Coordination."

Cost of Work included in Work Item for quantities as indicated in Contract Documents shall be included in Base Bid.

1. Additions to or deductions from lump sum price for quantities of each Work Item added to or deducted from Work respectively shall be at unit prices indicated in Bid Form and shall constitute payment or deductions in full for all material, equipment, labor, supervision and incidentals necessary to complete Work.

E. CONTRACTOR'S MEASUREMENTS

Before ordering material, preparing Shop Drawings, or doing any work, each Contractor shall verify, at the building, all dimensions which may affect his work. He assumes full responsibility for the accuracy of his figures. No allowance for additional compensation will be considered for minor discrepancies between dimensions on the drawings and actual field dimensions.

F. CONTINUITY OF SERVICE (*Revised 3-26-2012*)

Continuity of all existing services in the building shall be maintained throughout the construction period. Where it is necessary to tie into the existing electrical service, water or waste systems, it shall be done as directed by the Architect/Engineer. This Contract shall also provide temporary lines or bypasses that may be required to maintain continuous service in the building. All utility shutdowns must be approved by the Owners Representative / Project Manager, not less than **7 business days** prior to the event, so that proper notification can be posted.

G. SUBMITTALS

All submittals (except Shop Drawings) and samples required by the Specifications shall be submitted in triplicate unless otherwise specified for a particular item under an individual Specification Section.

Each sample shall be clearly identified on a tag attached, showing the name of the Project Consultant, the project number and title, the names of the Contractor, manufacturer (and supplier if same is not the manufacturer), the brand name or number identification, pattern, color, or finish designation and the location in the work.

Each submittal shall be covered by a transmittal letter, properly identified with the project title and number and a brief description of the item being submitted.

Contractor shall be responsible for all costs of packing, shipping and incidental expenses connected with delivery of the samples to the Project Consultant or other designated address.

If the initial sample is not approved, prepare and submit additional sets until approval is obtained.

Materials supplied or installed which do not conform to the appearance, quality, profile, texture or other determinant of the approval samples will be rejected, and shall be replaced with satisfactory materials at the Contractor's expense.

H. GENERAL/STANDARD ELECTRONIC EQUIPMENT AND INFRASTRUCTURE REQUIREMENTS (*Revised 11-2008*)**1. Compliance with WSU Standards for Communications Infrastructure**

A. All applicable work, products, materials and methods shall comply with the latest version of the "WSU Standards for Communications Infrastructure" except as where noted.

B. This document is available at the following website/URL: <http://networks.wayne.edu/WSU-Communications-Standards.pdf>

2. Automation System Program Code

A. All automation system uncompiled and compiled program codes, source codes, custom modules, graphical user interface screen shots and any other automation system programming data and material (Program Code) shall be provided to the UNIVERSITY in hard copy and on CD Rom in an unencrypted format acceptable to the UNIVERSITY.

B. Copyright for the Program Code shall be assigned to the UNIVERSITY for purposes of system maintenance.

PROTECTION OF OCCUPANCY (*Revised 3-2006*)**A. FIRE PRECAUTIONS**

Take necessary actions to eliminate possible fire hazards and to prevent damage to construction work, building materials, equipment, temporary field offices, storage sheds, and other property.

During the construction, provide the type and quantity of fire extinguishers and fire hose to meet safety and fire prevention practices by National Fire Protection Association (NFPA) Codes and Standards (available at <http://www.nfpa.org/>)

In the event that construction includes "hot work", the contractor shall provide the Owner's Representative with a copy of their hot work policy, procedures, or permit program. No hot work activity (temporary maintenance, renovation, or construction by operation of a gas or electrically powered equipment which produces flames, sparks or heat that is sufficient to start a fire or ignite combustible materials) shall be performed until such documents are provided. During such operations, all highly combustible or flammable materials shall be removed from the immediate working area, and if removal is impossible, same shall be protected with flame retardant shield.

Not more than one-half day's supply of flammable liquids such as gasoline, spray paint and paint solvent shall be brought into the building at any one time. Flammable liquids having a flash point of 100 degrees F. or below which must be brought into the building shall be confined in an Underwriters Laboratories (UL) labeled safety cans. The bulk supply of flammables shall be stored at least 75 feet from the building and other combustible materials. Spigots on drums containing flammable liquids are prohibited on the project site. Drums shall be equipped with approved vented pumps, and be grounded and bonded.

Only a reasonable working supply of combustible building materials shall be located inside the building.

All oil-soaked rags, papers, and other similar combustible materials shall be removed from the building at the close of each day's work, or more often if necessary, and placed in metal containers, with self-closing lids.

Materials and equipment stored in cardboard cartons, wood crates or other combustible containers shall be stored in an orderly manner and accessibly located, fire-fighting equipment of approved types shall be placed in the immediate vicinity of any materials or equipment stored in this type of crate or carton.

No gasoline, benzene, or like flammable materials shall be poured into sewers, manholes, or traps.

All rubbish shall be removed from the site and legally disposed of. Burning of rubbish, waste materials or trash on the site shall not be permitted.

The contractor shall be responsible for the conduct of employees relative to smoking and all smoking shall be in the area designated by the Architect/Engineer.

B. GENERAL SAFETY AND BUILDING PRECAUTIONS

Provide and maintain in good repair barricades, railings, etc., as required by law for the protection of the Public. All exposed material shall be smoothly dressed.

At dangerous points throughout the work environment provide and maintain colored lights or flags in addition to above guardrails.

Isolate Owner's occupied areas from areas where demolition and alteration work will be done, with temporary, dustproof, weatherproof, and fireproof enclosures as conditions may require and as directed by the Architect/Engineer.

Cover and protect furniture, equipment and fixtures to remain from soiling, dust, dirt, or damage when demolition work is performed in rooms or areas from which such items have not been removed.

Protect openings made in the existing roofs, floors, and other construction with weatherproof coverings, barricades, and temporary fire rated partitions to prevent accidents.

Repair any damage done to existing work caused by the construction and removal of temporary partitions, coverings, and barricades.

The Contractor will be held responsible for all breakage or other damage to glass up to the time the work is completed.

Provide protection for existing buildings, interior and exterior, finishes, walls, drives, landscaping, lawns (see below), etc. All damages shall be restored to match existing conditions to the satisfaction of the Architect/Engineer.

The Contractor and Owner will define the anticipated area of lawn damage at the project Pre-Construction Meeting. Whether the lawn is sparse or fully developed, any lawn damaged due to the Contractor's work will be replaced with sod by the University. The University's unit cost of \$10.00 per square yard and landscaping at a rate of 1.5 times the cost of the sod repairs, the full cost of which will be assessed against the Contractor. At the completion of the project, a deductive Change Order reflecting this cost will be issued.

The Contractor is to include an allowance in his bid for this corrective work.

C. INTERFERENCE WITH OWNER'S OPERATIONS

The Owner will be utilizing the Building Facilities to carry on his normal business operation during construction. The Contractor shall schedule performance of the work necessary to complete the project in such a way as to interfere as little as possible with the operation during construction. The Contractor shall schedule performance of the work necessary to complete the project in such a way as to interfere as little as possible with the operation of the Owner.

Work which will interfere with the Owner's occupancy, including interruptions to the Owner's mechanical and electrical services, and essentially noisy operations (such as jackhammering) shall be scheduled in advance. The schedule of alterations shall be approved by the Architect/Engineer and the work shall be done in accordance with the approved schedule.

It is understood that the work is to be carried through to completion with the utmost speed consistent with good workmanship and to meet the construction schedule.

The Contractor shall begin work under the Contract without delay upon receipt of the fully-executed contract and shall substantially complete the project ready for unobstructed occupancy and use of the Owner for the purposes intended within the completion time stated in the contract.

The Contractor shall, immediately upon award of contract, schedule his work and expedite deliveries of materials and performance of subcontractors to maintain the necessary pace to meet the construction schedule.

CONTRACTOR'S REPRESENTATION AND COORDINATION

A. FIELD SUPERINTENDENT

Contractor shall assign a full time project manager/superintendent for the duration of the project. This person shall be experienced and qualified in all phases of the work and shall be present at the site during Contractor's working hours. The project manager shall have Contractor's full authority to represent Contractor in all routine operations including payment, changes to the work, and scheduling. Contractor shall not re-assign this individual without prior written permission of the Owner.

B. MEETINGS

When directed by the Architect/Engineer, meetings shall be held for the purpose of coordinating and expediting the work. The invited contractors or subcontractors will be required to have qualified representatives at these meetings, empowered to act in their behalf.

C. COORDINATION

The Contractor shall also provide a staff adequate to coordinate and expedite the work properly and shall at all times maintain competent supervision of its own work and that of its subcontractors to insure compliance with contract requirements.

The Contractor shall be solely responsible for all construction means, methods, techniques, sequences, and procedures and for coordinating all portions of the work under the Contractor.

D. CONSTRUCTION SCHEDULE

The Construction Schedule shall be prepared after the award of contract. Soon after, a pre-construction meeting is held with the Owner and the Architect/Engineer to determine the areas to which the Contractor will be allowed access at any one time.

The Contractor is alerted to the fact that areas in which he will be working will be occupied by students and employees of the University as well as the general public. The Contractor's access, to and from the project site, will be confined to limited areas so as not to unduly disrupt the normal activities of the University.

TEMPORARY FACILITIES

A. GENERAL

The following temporary facilities descriptions represent standard conditions. Verify accuracy with Architect/Engineer at time of bids.

B. CONTRACTOR'S OFFICE

Provide field offices as required. Locate temporary field offices on site where directed by Architect/Engineer.

Appearance and location of field offices shall be approved by the Architect/Engineer.

Provide for all other administrative facilities and storage off the Owner's property.

C. STORAGE OF MATERIALS

All materials shall be stored in areas designated by the Architect/Engineer. All stored materials shall be arranged for the minimum disruption to occupants and to allow full access to and throughout the building. Materials stored outdoors shall be neat and orderly and covered to prevent damage or vandalism.

D. PARKING

1. GENERAL

University parking regulations will be strictly enforced.

Maintain Owner's parking areas free of dirt and debris resulting from operations under the contract.

2. STANDING AND UNLOADING/LOADING VEHICLES

All Contractors are to call Wayne State University Public Safety at 577-2222, and give at least 24 hours advance notice that they have vehicles that must be at the job site.

Vehicles will be permitted at the project site only as long as the vehicles are needed for loading/unloading, and must be immediately moved upon completion.

All unauthorized and/or unattended standing vehicles will be subject to ticketing and removal by University Police. Towed vehicles may be reclaimed by calling 577-2222, and paying any assessed charges.

3. COMPLIMENTARY PARKING

There is no complimentary parking for Contractor's employee vehicles.

4. WAYNE STATE UNIVERSITY PUBLIC/STUDENT PARKING AREAS

Public Parking, on a first-come first-served basis is available. Contact the office of the One Card System, at 313.577.9513 for information on availability of parking on a contractual basis.

E. TOILET FACILITIES

The Owner's designated existing toilet facilities may be used by workers on the project. Contractor shall maintain such facilities in a neat and sanitary condition.

F. TELEPHONE USE

If required, the Contractor shall provide and pay for a temporary telephone within the building for his use and that of his subcontractors.

No use of the Owner's telephone (except pay telephones) will be permitted.

G. ACCESS DEVICES

The Contractor shall furnish and maintain temporary hoists, ladders, railings, scaffolds, runways, and the like as required for safe, normal access to the permanent construction until the permanent facilities are complete. Each trade shall furnish such additional means of access as may be required for the progress and completion of the work. Such temporary access devices shall meet all applicable local, state, and federal codes and regulations.

H. HEAT AND VENTILATION

Provide cold weather protection and temporary heat and ventilation as required during construction to protect the work from freezing and frost damage.

Provide adequate ventilation as required to maintain reasonable interior building air conditions and temperatures, to prevent accumulation of excess moisture, and to remove construction fumes.

Tarpaulins and other materials used for temporary enclosures. Coverings and protection shall be flameproofed.

I. WATER SERVICE

Sources of water are available at the site. The Owner will pay for reasonable amounts of water used for construction purposes.

The Contractor shall provide, at the earliest possible date, temporary connections to the water supply sources and maintain adequate distribution for all construction requirements. The Contractor shall protect sources against damage.

Methods of conveying this water shall be approved by the Architect/Engineer and shall not interfere with the Owner's operations.

J. ELECTRICAL SERVICES

All charges for reasonable amounts of electrical power energy used for temporary lighting and power required for this work will be paid by the Owner.

The Contractor shall provide and maintain any temporary electrical lighting and power required for this work. At the completion of the work, all such temporary electrical facilities shall be removed and disposed of by the Contractor.

Temporary lighting and power shall comply with the regulations and requirements of the National Electrical Code

INSPECTIONS AND TESTS

The Architect/Engineer shall at all times have access to the work wherever it is in preparation or in progress and the Contractor shall provide proper facilities for such access and for observation.

No failure of the Architect/Engineer, during the progress of the work, to discover or reject materials or work not in accordance with the Contract Specifications and Drawings shall be deemed an acceptance thereof nor a waiver of defects therein. Likewise, no acceptance or waiver shall be inferred or implied due to payments made to contractor or by partial or entire occupancy of the work, or installation of materials that are not strictly in accordance with the Contract Specifications and Drawings.

Where tests are specifically called for in the Specifications, the Owner shall pay all costs of such tests and engineering services unless otherwise stated in the contract.

Where tests are not specifically called for in the Specifications, but are required by the Architect/Engineer or Consultant, the Owner shall pay all costs of such tests and engineering services unless the tests reveal that the workmanship or materials used by the Contractor are not in conformity with the Drawings, Specifications, and/or approved shop drawings. In such event, the Contractor shall pay for the tests, shall remove all work and materials so failing to conform and replace with work and materials that are in full conformity.

CLEAN-UP

The Contractor shall at all times keep the Owner's premises and the adjoining premises, driveways and streets clean of rubbish caused by the Contractor's operations and at the completion of the work shall remove all the

rubbish, all of his tools, equipment, temporary work and surplus materials, from and about the premises, and shall leave the work clean and ready for use. If the contractor does not attend to such cleaning immediately upon request, the Architect/Engineer may cause such cleaning to be done by others and charge the cost of same to the Contractor.

The Contractor will be responsible for all damage from fire that originates in, or is propagated by, accumulations of rubbish or debris.

All rubbish and debris shall be disposed of off the Owner's property in an approved sanitary landfill site. No open burning of debris or rubbish will be permitted. Job site shall be left neat and clean at the completion of each day's operation.

PROJECT CLOSE-OUT

A. RECORD DRAWINGS

At beginning of job, provide one copy of Working Drawings, and record changes, between Working Drawings and "As Built", including changes made by Addenda, Change Orders, Shop Drawings, etc. These shall be kept up to date. Update to indicate make of all mechanical and electrical equipment and fixtures installed. Keep these Record Prints in good condition and available for inspection by the Architect/Engineer.

Upon completion of the job, turn over to the Architect/Engineer Record Prints of Working Drawings showing all job changes.

B. OPERATING AND MAINTENANCE DATA

Prepare and furnish to the Architect/Engineer three (3) bound copies of "Operating and Maintenance Manual" on all equipment installed under this Contract.

Manual shall include copies of all Manufacturers' "Operating and Service Instructions", including Parts List, Control Diagrams, Description of Control Systems, Operating, Electrical Wiring, and any other information needed to understand, operate and maintain the equipment. The names and addresses of all subcontractors shall be included. These instructions shall be custom-prepared for this job – catalog cuts will **not** be accepted. Equipment shall be cross-referenced to Section of Specifications and to location shown and scheduled on drawings.

Include Test-Adjust-Balance Report in the Manual.

C. FINAL INSPECTION

Secure final inspections from the State of Michigan as soon as the work is completed and immediately submit such Certificates to the Architect/Engineer.

D. GUARANTEES (See Sections 00510 and 01781)

Guarantees on material and labor from the General Contractor and his subcontractors shall be as required in Sections 00510 and 01781.

E. SWORN STATEMENT AND WAIVER OF LIENS (*revised 4-11-2012*)

Prior to final payment, the General Contractor shall provide a Contractor's Sworn Statement and Full Unconditional Waivers of Liens from all subcontractors for material and labor and from all suppliers who provide materials exceeding \$1,000. Sworn Statements and signed waivers from all Subcontractors must accompany Pay Applications or they will be returned for such documentation prior to approval.

ASBESTOS HAZARD

- A. The contractor shall not start any work in any area that has not been inspected for asbestos by the Owner's Industrial Hygiene Department, or a qualified representative of the Owner and approval is given for work to be done. If asbestos is found, safety measures as recommended by the Owner's Industrial Hygiene Department, or a qualified representative of the Owner, shall be completed, or approval given for work to be done before work is started. The contractor shall not perform any asbestos removal or containment work under the contract.

KEYS

- A. The Owner shall provide the contractor keys on loan to have access to the various spaces in order to complete the contract. Contractor will sign for and be responsible for each key on loan, returnable to Owner upon completion of the contract. In case of any lost keys, the Owner will backcharge the contract \$250.00 for each core change. In the event that a Contractor wants access to a secured area, he shall give the Owner a minimum 48-hour notice.

SUMMARY OF WORK

SUMMARY OF WORK

PROJECT: Renovation of 5447 Woodward for Social Work – Abatement

WSU PROJECT NO.: 063-233732

PROJECT MANAGER: Nancy Milstein

1. EXAMINATION

The Contractor shall visit the site and become familiar with conditions under which he will be working. Also meet with the project manager and review site access, storage areas, etc.

2. Description of Work – Project includes **Hazardous Material Abatement at 5447 Woodward.**

3. The building is located at

Wayne State University
5447 Woodward
Detroit, Michigan 48202

ASBESTOS REMOVAL SPECIFICATIONS

**5447 Woodward, Detroit, MI 48202
School of Social Work Relocation**

**All Areas West of Column Line 7
All Areas East of Column Line 7**

EKS Job No. 10799

February 16, 2015

Prepared by:

Stephen C. Dancy
Asbestos Project Designer
State of Michigan Cert.
Accreditation Number
A30823
Card 112048

CONSTRUCTION BID DOCUMENTS
ASBESTOS ABATEMENT AND RELATED WORK

for

WAYNE STATE UNIVERSITY

CONTACT: Nancy Milstein
Wayne State University
Design and Construction Services
5454 Cass Avenue
Detroit, MI 48202
Phone: (313) 577-6386
Fax: (313) 577-1817

CONSULTANT: EKS Services Incorporated
7451 Third Street
Detroit, MI 48202
Phone: (313) 963-1433

PRE-BID MEETING

DATE and LOCATION: February 26, 2015 – 10AM – Conf Rm 2 – 5454 Cass Ave, Detroit, MI

QUESTIONS DUE: March 2, 2015

BIDS DUE: March 9, 2015

STARTING DATE: TBD
(tentative)

COMPLETION DATE: June 30, 2015

LOCATION: Proposal shall be delivered in a sealed envelope clearly marked
“School of Social Work Relocation – 5447 Woodward, Detroit, MI”

Bid Proposals will be received by:

Nancy Milstein
Design and Construction Services
Wayne State University
5454 Cass Ave
Detroit, MI 48202
(313) 577-6386
(313) 577-1817

TABLE OF CONTENTS

<u>Asbestos Removal Specifications</u>		
1.0	Project Administration	7
2.0	Scope of Work	7
3.0	Bid Preparation	8
4.0	Description of Work	8
4.1	Construction Administration Work	8
4.2	Mandatory Date	8
5.0	Removal Procedures	9
5.1	Removal of Asbestos-Containing Flooring Material	9
5.2	Removal of Asbestos-Containing Pipe Insulation & Fittings	9
5.3	Removal of Asbestos-Containing Duct Insulation	9
5.4	Removal of Asbestos-Containing Fire Doors and Fire Door Frames	9
6.0	Hazardous Material Transport Liability Insurance	10
7.0	Submittals with Bid	10
8.0	Responsibility for Damages	10
9.0	Air Monitoring	10
10.0	Penalty for Running over Schedule	11
11.0	Payment Withheld	11
12.0	Pre-Construction Meetings	11
13.0	Pre-Construction Submittals	11
13.1	Regulations, Permits, and Licenses	11
13.2	Notarized Certifications	12
13.3	Employee Information	12
13.4	Certificate of Worker's Acknowledgement	12
13.5	Respiratory Protection Program	12
13.6	Historic Airborne Fiber Data	12
13.7	Training Program	12
13.8	Report from Medical Examination	13
13.9	Equipment Instructions	13
13.10	Product Data	13
13.11	Surfactant	13
13.12	Removal Encapsulant	13
13.13	Safety Data Sheets	13
13.14	Manufacturer's Certificates	13
14.0	Submittals During Abatement Activities	13
15.0	Grounds for Dismissal	14
16.0	Codes and Regulations	14
16.1	Contractor Responsibility	14

TABLE OF CONTENTS (Continued)

16.1.1	Access to Records	14
16.2	Stop Work Order	14
16.3	Contractor's Right to Stop or Terminate Contract	14
16.4	Payment Schedule	15
16.5	Federal Requirements	15
16.6	State Requirements	16
16.7	Local Requirements	16
16.8	EPA Guidance Documents	16
16.9	Notices	16
16.9.1	U. S. Environmental Protection Agency (EPA)	16
16.9.2	State and Local Agencies	17
16.10	Licenses	17
16.11	Posting and Filing and Regulations	17
17.0	Project Coordination	17
17.1	Administrative and Supervisory Personnel	17
17.2	Ventilation System	17
17.3	Site Access Restriction	17
17.4	Special Reports	17
17.4.1	Unusual Events	17
17.4.2	Accidents	18
17.5	Contingency Plan	18
17.5.1	Evacuation Procedures	18
17.5.2	Posted Information	18
18.0	Respiratory Protection	18
18.1	Contractor's Responsibility	18
18.2	Powered Air-Purifying Respirators	19
18.3	Negative Pressure Half-Mask Respirators	19
18.4	Filter Cartridges	19
18.5	Rules Regarding Respiratory Protection	19
19.0	Worker Protection	20
19.1	Worker Training	20
19.2	Medical Examinations	20
19.3	Protective Clothing	20
19.3.1	Coveralls	21
19.3.2	Boots	21
19.3.3	Goggles	21
19.3.4	Gloves	21
19.3.5	Hard Hats	21
19.3.6	Fall Protection	21
19.4	Additional Protective Equipment	21
19.5	Before Entering the Removal Environment	21
19.6	Entering the Removal Environment	22
19.7	Decontamination Procedures	22
19.8	Rules within the Work Area	22
20.0	Products Used During Asbestos removal	23
20.1	Right-to-Know	23
21.0	Work Preparation	23
21.1	Warning Signs	23

TABLE OF CONTENTS (Continued)

21.2	Pre-cleaning	23
21.3	Temporary Electricity & Lighting	23
21.4	Electrical Requirements	23
21.5	Isolating the Work Area	24
21.6	Removable Items	24
21.7	Non-Removable Items	24
21.8	Ceiling, Floor, and Wall Coverings	24
21.9	Decontamination Shower System	24
21.10	Negative Air System	24
21.11	Entrance/Exit Barriers	24
22.0	Removal of Asbestos-Containing Materials	25
22.1	Equipment	25
	22.1.1 Rental Equipment	25
	22.1.2 Owner's Equipment	25
22.2	Products	25
	22.2.1 Wetting Materials	25
	22.2.2 Polyethylene Plastic	26
	22.2.3 Duct Tape	26
	22.2.4 Spray Cement	26
	22.2.5 Disposal Bags and Drums	26
	22.2.6 Miscellaneous Cleaning Materials	26
22.3	Substitutions	27
22.4	Wet removal	27
	22.4.1 Misting Work Area	27
23.0	Project Decontamination	27
23.1	Cleaning the Removal Areas	27
	23.1.1 First Cleaning	27
	23.1.2 Second Cleaning	27
23.2	Visual Inspection	27
23.3	Encapsulation	28
23.4	Removal of Non-Critical Barriers	28
24.0	Clearance Sampling	28
24.1	Phase Contrast Microscopy (PCM)	28
25.0	Removal of Critical Barriers	28
26.0	Disposal of Asbestos-Containing Waste Materials	28
26.1	Packaging	28
26.2	Transportation	29
26.3	Landfill	29
26.4	Wayne State University Requirements for Waste Handling	29

APPENDICES

A - Michigan Department of Licensing and Regulatory Affairs – Notification of Intent to Renovate	30
B - Certificate of Worker’s Acknowledgement	33
C - Waiver of Lien and Guarantee	35
D - Definition of Terms / Important Provisions	37

1.0 PROJECT ADMINISTRATION

The Owner has employed EKS Services Incorporated (EKS) to provide project design services, assist in the development of bid specifications, monitor air before, during, and after abatement, and provide daily supervision of the project.

2.0 SCOPE OF WORK

The asbestos removal contractor will be required to furnish all labor, materials, employee training, services, insurance and equipment necessary to carry out the removal and disposal of all interior asbestos containing materials on all floors west of column line 7 for the property located at 5447 Woodward Avenue in Detroit, MI. The proposed contractor will also provide an alternate cost for the removal of all interior asbestos containing materials east of column line 7 for the property located at 5447 Woodward Avenue in Detroit, MI. **At the provided walkthrough(s), it is the responsibility of any bidding contractor to confirm all quantities, all locations, and work requirements for removal of materials present in the scheduled work areas. The contractor will also be responsible to include in their costs for any multiple layers of flooring materials that may be present in the building where asbestos containing flooring materials are present and must be removed. The information below was developed from the asbestos building survey performed by Environmental Testing and Consultants, Inc. (ETC) on February 28, 2013 and this survey can be used as a guide in identifying approximate locations of material. This asbestos building survey is part of this bidding document.**

Asbestos Containing Materials West of Column Line 7 – Base Bid

	<u>MATERIAL</u>	<u>ESTIMATED QUANTITY</u>
A	All 9” x 9” Floor Tile & Associated Mastic including Layers where present *	22,330 sq. ft.
B	Duct Insulation	850 sq. ft.
B	All Pipe Insulation & Associated Fittings	4,277 ln. ft.
C	Fire Doors and Fire Door Frames	Through Out

Asbestos Containing Materials East of Column Line 7 - Alternate

	<u>MATERIAL</u>	<u>ESTIMATED QUANTITY</u>
A	All 9” x 9” Floor Tile & Associated Mastic including Layers where present *	4,406 sq. ft.
B	Linoleum – Beige Mosaic Pattern	2,850 sq. ft.
B	All Pipe Insulation & Associated Fittings	627 ln. ft.
C	Fire Doors and Fire Door Frames	Through Out

* 9” x 9” tile is present in a number of locations under 12” x 12” tile or carpet or both. This may not be called out in the asbestos survey, but the contractor is still responsible for correctly bidding for and removing this material as part of the requirements for removal of materials in this bid.

3.0 **BID PREPARATION**

By submitting a bid, the Contractor acknowledges he/she has investigated and satisfied himself/herself as to: a) The conditions affecting the work, including but not limited to physical conditions of the site which may bear upon site access, handling and storage of tools and materials, access to water, electrical or other utilities, or otherwise affect performance of required activities; b) the character and quantity of all surface and subsurface materials or obstacles to be encountered in so far as this information is reasonably ascertainable from an inspection of the site, including exploratory work done by the Owner or a designated consultant as well as information presented in drawings and specifications included within this contract. Any failure by the Contractor to be acquired with available information will not relieve him/her from the responsibility of estimating properly the difficulty or cost of successfully performing the work. The Owner and Project Designer are not responsible for any conclusions or interpretations made by the Contractor on the basis of the information made available by them.

The Owner reserves the right to reject a bid for any reason that serves the best interest of the Owner or building occupants. The Owner also reserves the right to waive any technicality or irregularity in a bid. Failure to submit requested information/documentation or the submission of incorrect information/documentation could result in automatic disqualification of a bid package.

It is required that any Contractor who wishes to bid on this job, first visually inspect the actual work (removal) area(s).

4.0 **DESCRIPTION OF WORK**

4.1 **CONSTRUCTION ADMINISTRATION WORK**

The Contractor will be solely responsible for the safe and complete removal and disposal of all ACM described within Section 2.0 (Scope of Work). The Contractor will be responsible for coordinating the removal project with Wayne State University's Facilities Planning and Management department, and the on-site project management representative(s) to assure uninterrupted operation throughout this abatement project. **“The Contractor will submit a schedule and general work plan for removal stating all activities involved for the above description of work.”** The Contractor will be responsible for any damage or disturbance of any and all remaining property of Wayne State University affected during the course of or as a result of this abatement project.=

Additional Contractor Requirements:

1. Set up primary and secondary barriers.
2. Installation of decontamination unit and negative air machines if needed.
3. Protect all equipment including but not limited to electrical, computer and telecommunications panels that may remain in the scheduled work areas during abatement. Protect and cover all fire suppression systems.
4. Supply electrical, water and work lighting if needed.
5. Contractor will supply a fully enclosed, securable dumpster if needed.
6. To facilitate the scheduled abatement, and as part of this proposal and contract, the abatement contractor shall implement any specific means and methods necessary to facilitate the scheduled demolition activities as outlined in Wayne State University's architectural demolition drawings and plans for this project that will impact any asbestos present. The abatement contractor may have to perform demolition to facilitate the scheduled asbestos removal. This demolition (demolition to facilitate abatement) is part of this proposal and contract and should be included in the bid price.

4.2 MANDATORY DATES

Set up of the area might be arranged prior to the scheduled dates but no abatement or pre-cleaning can begin until the Facilities Planning and Management department of Wayne State University determine start dates. Multiple shifts may be necessary to complete this project within a specific time frame. Date of completion will be June 30, 2015.

5.0 REMOVAL PROCEDURES

All removal procedures shall be conducted to maximize the contractor's efficiency and minimize the contractor's time on-site.

5.1 REMOVAL OF ASBESTOS-CONTAINING FLOORING MATERIAL

All asbestos-containing flooring materials shall be removed within a regulated work area having critical barriers placed over all openings. The asbestos-containing flooring material shall be adequately wet (Refer to Sections 22.2.1 and 22.4) and then scraped from the floor using hand tools while keeping breakage of flooring material to a minimum. All cracks, corners, edges, etc. should be free of flooring material. The contractor is responsible for keeping the walls in the work area free of broken flooring material and mastic as well as all non-impacted areas. All material must be labeled as asbestos waste and disposed of in asbestos waste bags using Wayne State University approved dumpster(s) and following their disposal requirements (Refer to Section 22.2.5 and 26.0). The areas shall be wiped clean and HEPA vacuumed of all visible asbestos and non-asbestos dust and debris.

5.2 REMOVAL OF ASBESTOS-CONTAINING PIPE INSULATION & FITTINGS

All removal activities shall be performed within a negative-pressure enclosure (i.e. glove bag or enclosure). The asbestos-containing pipe insulation and associated fittings shall be wetted (Refer to Section 22.2.1 and 22.4), removed and placed directly into labeled asbestos disposal bags using Wayne State University approved dumpster(s) and following their disposal requirements (Refer to Section 22.2.5 and 26.0). The bare pipes shall be wiped clean of all visible asbestos and non-asbestos dust and debris then an encapsulant shall be applied.

5.3 REMOVAL OF ASBESTOS-CONTAINING DUCT INSULATION

All removal activities shall be performed within a negative-pressure enclosure (i.e. enclosure). The asbestos-containing duct insulation shall be wetted (Refer to Section 22.2.1 and 22.4), removed and placed directly into labeled asbestos disposal bags using Wayne State University approved dumpster(s) and following their disposal requirements (Refer to Section 22.2.5 and 26.0). The bare duct shall be wiped clean of all visible asbestos and non-asbestos dust and debris then an encapsulant shall be applied.

5.4 REMOVAL OF ASBESTOS-CONTAINING FIRE DOORS AND FIRE DOOR FRAMES

All removal of asbestos-containing fire doors shall take place in a regulated area with warning signs and critical barriers (Refer to Section 21.1 and 21.5). Be sure to line the ground underneath with polyethylene. The contractor will wrap the entire fire door in 6 mil poly and remove from the facility intact. The fire door frame can also be removed in this vain, by chipping non-ACM material holding the frame in place to free the frame and the wrapping the frame whole and removing it from the facility intact. All materials shall be wetted (Refer to Section 22.2.1 and 22.4) and placed in labeled asbestos bags or wraps using Wayne State University approved dumpster(s) and following their disposal requirements (Refer to Section 22.2.5 and 26.0). The areas shall then be wiped clean and HEPA vacuumed of all visible asbestos and non-asbestos dust and debris.

6.0 HAZARDOUS MATERIAL TRANSPORT LIABILITY INSURANCE

Liability coverage for the transportation of asbestos-containing material from the job site to the on-site disposal location is to be provided by the contractor, or in the event the contractor has a contract carrier transport the asbestos-containing material evidence of liability coverage for the transporting of the ACM must be provided showing limits of not less than \$2,000,000.00 for bodily injury, property damage and environmental impairment liability. Evidence of transportation coverage in the form of an Acord Certificate must be provided showing Wayne State University and EKS Services Incorporated as certificate holder and additional name insured.

7.0 SUBMITTALS WITH BID

Copy of State license for asbestos removal in Michigan.

Copy of insurance certificate including asbestos liability policy.

8.0 RESPONSIBILITY FOR DAMAGES

Any damage to finishes on non-removed floors, walls, ceilings or any other item or fixture that has been the result of actions by the Contractor personnel shall be repaired to original condition without any additional cost to the Owner. A comparison of the pre-construction inspection report prepared jointly by the Owner and Contractor shall be the basis for the assessment of the damage to be repaired.

9.0 AIR MONITORING

EKS Services Incorporated shall perform all area and ambient air sampling and analyses associated with the abatement project.

NOTE: Personal monitoring of the Contractor's employees is the responsibility of the Abatement Contractor. Air monitoring shall be performed before, during, and after the abatement project to ensure compliance with applicable regulations. Monitoring shall be used to determine background information, monitor the integrity of the enclosure and for final clearances. This monitoring shall not be used in lieu of or to relieve the Contractor from the air monitoring requirements of 29 CFR Part 1926.1101.

During the abatement project, air samples shall be collected daily outside the decontamination unit, downwind from negative air units and wherever deemed necessary by the Consultant and Owner.

Samples shall be analyzed within 24 hours on-site by the Consultant, utilizing Phase Contrast Microscopy (PCM) NIOSH 582 method (or NIOSH 7400 equivalent).

If samples collect outside the work area result in airborne fiber concentrations of 0.05 fibers per cubic centimeter of air (f/cc) or higher, all abatement activity shall cease immediately until the cause can be determined and rectified to the satisfaction of the Consultant and Owner.

If samples collected inside the work are result in airborne fiber concentrations of 0.2 f/cc or higher, the Contractor shall alter the engineering controls to lower the asbestos fiber concentration levels to 0.2 f/cc or less. If this is not feasible, the Contractor shall keep the airborne fiber concentrations at the lowest levels achievable, which will be determined by the Owner's on-site consultant.

If any area samples indicate exposure concentrations greater than 0.05 fibers/cc during glove bag abatement procedures, the work is halted. Furthermore, if any Personal samples collected during glove bag abatement procedures indicate exposure concentrations greater than 0.1 fibers/cc, or 1.0 fibers/cc for any 30-minute period, the work is halted. In addition, the glove bag work practices

and procedures are reviewed to determine the cause of the elevated exposure concentrations and any deficiencies are corrected before the work is resumed.

10.0 PREMIUM FOR SCHEDULE OVERRUNS

If the Contractor cannot meet the calendar deadline or number of shifts stated in his/her bid then the Contractor is obligated to pay the Industrial Hygiene Consultant firm's fees for each day beyond the deadline and additional shifts worked within the bid period.

NOTE: The deadline shall include the clearance sampling, removal of negative-pressure enclosure, and any additional cleaning or repairs.

11.0 PAYMENT WITHHELD

The Owner may decline to approve any application for payment in whole or in part as may be necessary in its opinion to protect itself from loss because of:

1. Defective work not remedied;
2. Claims filed or reasonable evidence indicating probable filing of claims;
3. A reasonable doubt that the work can be completed for the unpaid balance of the Contract amount;
4. Damage to the Owner;
5. Reasonable indications that the work will not be completed within the Contract time; or
6. Unsatisfactory execution of the work by the Contractor.

12.0 PRE-CONSTRUCTION MEETINGS

After the Contract has been executed, the Building Owner shall arrange for a Pre-Construction Meeting to be attended by the Building Owner, the Owner's retained Industrial Hygienist, and the Asbestos Abatement Contractor who shall present abatement plans in detail.

1. These abatement plans shall include: safety procedures, removal plans, drawings of the decontamination facilities and their locations; work area isolation plan with layout of engineering controls (e.g., HEPA ventilation vents, etc.); security program; routing plan for bridging in equipment and removing contaminated material from the building; a listing of all tools, equipment, and supplies proposed for use in the abatement project. No abatement work shall be performed without prior written approval of the Abatement Plans.
2. Description of safety equipment, protective clothing, and approved respirators to be used.
3. Explanation of decontamination sequence to be used.
4. Description of removal and disposal methods to be used.
5. Name of proposed landfill to be used.
6. Description of the final clean-up procedures to be used.
7. Description of a contingency plan for emergencies that should cover but not be limited to: fires, loss of negative pressure, loss of electrical power, injury to any abatement employee and entrance of unauthorized personnel into a restricted area.
8. Telephone numbers and location of emergency services.

13.0 PRE-CONSTRUCTION SUBMITTALS

13.1 REGULATIONS, PERMITS, AND LICENSES

Before start of work, submit the following items to the Owner's Representative for review. Do not start work until submittals are returned with the Owner's on-site Industrial Hygienist's approval.

State and Local Regulations: Produce copies of codes and regulations applicable to the work.

Notices: Submit notices required by Federal, State, and Local regulations together with proof of timely transmittal to the agencies requiring the notices.

Permits: Submit copies of current valid permits required by State and Local regulations.

Licenses: Submit copies of all State and Local licenses and permits necessary to carry out the work of this contract.

13.2 NOTARIZED CERTIFICATIONS

Submit certification signed by an officer of the abatement-contracting firm and stating that exposure measurements, medical surveillance, and work-training records are being maintained in conformance with 29 CFR 1926.1101.

13.3 EMPLOYEE INFORMATION

The Contractor shall submit a list of employees and the social security numbers of those working on-site to the Owner's on-site Industrial Hygienist.

13.4 CERTIFICATION OF WORKER'S ACKNOWLEDGMENT

In Appendix B of this document is a Certificate of Worker Acknowledgement regarding training.. After each worker has been included in the Contractor's Respiratory Protection Program, completed the training program and medical examination, secure a fully executed copy of this form. This is to be completed for each abatement worker or supervisor and is to be submitted to the Owner's Representative (EKS).

13.5 RESPIRATORY PROTECTION PROGRAM

Produce level of respiratory protection intended for each operation required by the project.

NOTE: If negative pressure, air-purifying, half-mask respirators are going to be used, documentation of respirator fit tests must be submitted to the Owner's Representative (EKS).

13.6 HISTORIC AIRBORNE FIBER DATA

If required, submit airborne asbestos fiber count data from an independent air-monitoring firm to substantiate selection of respiratory protection proposal. Data submitted shall include at least the following for each procedure required by the work:

- Date of measurements;
- Operations monitored;
- Sampling and analytical methods used and evidence of their accuracy;
- Number, duration, and results of samples taken;
- Name of the company and Industrial Hygienist who performed sampling services.

13.7 TRAINING PROGRAM

All asbestos abatement workers shall be trained and certified in accordance with the training requirements outlined by AHERA, EPA Model Accreditation Plant (MAP), and the State of Michigan Public Act 440, 1988 and amendments. Documentation is required in the form of a current State of Michigan certificate of course completion with certificate number, expiration date and instructor's name.

13.8 REPORTS FROM MEDICAL EXAMINATION

Conducted within the last 12 months as part of compliance with OSHA medical surveillance requirements for each worker who is to enter the work area. Submit, at a minimum, for each worker the following:

1. Name and Social Security Number
2. Written Opinion from examining physician including, at a minimum, the following
 - a. Any detected medical conditions which would place the worker at an increased Risk of material health impairment from exposure to asbestos.
 - b. Any recommended limitations on the worker or the use of personal protective equipment such as respirators.
 - c. A statement that the worker has been informed by the physician of the results of the medical examination and of any medical conditions that may result from asbestos exposure.
 - d. A statement that the worker is able to wear and use the type of respiratory protection proposed for the project, and is able to work safely in an environment capable of producing heat stress in the worker.

13.9 EQUIPMENT INSTRUCTION

Produce complete operating and maintenance instructions for all components and systems as a whole. This is to be in bound manual form suitable for field use.

13.10 PRODUCT DATA

Produce manufacturer's product information for each component used, including NIOSH and MSHA certifications for each component in an assembly and/or for the entire assembly.

13.11 SURFACTANT

Produce product data, use information and recommendations from the manufacturer of the surfactant intended for use. Include data substantiation that material complies with requirements.

13.12 REMOVAL ENCAPSULANT

Produce product data, use instructions and recommendations from manufacturer of removal encapsulant intended for use. Include data substantiating that material complies with requirements. Encapsulant for this project must have a blue dye added to it to conform with encapsulation work done on other floors within the building.

13.13 SAFETY DATA SHEETS

Produce copies of the Safety Data Sheets (SDS) for each commercial product used by the Contractor during the abatement process. This shall include, but is not limited to: encapsulants, surfactants, spray glue, duct tape and miscellaneous cleaning products.

13.14 MANUFACTURER'S CERTIFICATIONS

Produce manufacturer's certifications that HEPA vacuums, negative pressure ventilation units and other local exhaust ventilation equipment conform to ANSI 29.2-79.

14.0 SUBMITTALS DURING ABATEMENT ACTIVITIES

Submit daily, copies of worksite entry logbook with information on worker and visitor access.

Submit logs documenting filter changes on HEPA vacuums, negative pressure ventilation units, and other engineering controls.

15.0 GROUNDS FOR DISMISSAL

The Owner or their representatives (EKS) maintain the right to dismiss any employee of the Contractor if in the opinion of the Owner or Owner Representative said employee is:

1. Grossly negligent or incompetent;
2. Destructive or abusive to Owner's Property or personnel;
3. Incompatible with Owner or other individuals involved with the project.

The Contractor shall at all times confine themselves to the immediate work area, using only restrooms, rest areas, telephones or other similar facilities designated by the Owner's Representative.

Employees of the Contractor found roaming the building may be banished from the project at the discretion of the Owner's Representative.

16.0 CODES AND REGULATIONS

16.1 CONTRACTOR RESPONSIBILITY

The Contractor shall assume full responsibility and liability for compliance with all applicable Federal, State, and Local regulations pertaining to work practices, hauling, disposal, and protection of workers and visitors to the site, and persons occupying areas adjacent to the site. The Contractor is responsible for providing medical examinations and maintaining medical records of personnel as required by the applicable Federal, State, and Local regulations. The Contractor shall hold the Owner, Construction Manager/General Contractor, Project Manager, Owner's Representative and the Owner's on-site Industrial Hygienist harmless for failure to comply with any applicable work, hauling, disposal, safety, health or other regulation on the part of himself/herself, his/her employees, or Subcontractors.

16.1.1 Access To Records

The Contractor shall allow EPA and OSHA personnel to monitor project progress and completion, including any financial records directly related to the project at hand

16.2 STOP WORK ORDER

If the Owner, the Owner's Representative, or the Owner's on-site Industrial Hygienist presents a written stop work order, the Contractor shall immediately and automatically stop all work. Work shall not recommence until authorized in writing by the Owner's Representative and/or Owner's on-site Industrial Hygienist.

16.3 CONTRACTOR'S RIGHT TO STOP OR TERMINATE CONTRACT

If the work should be stopped for the reason listed below, the contractor may, upon seven (7) calendar days written notice to the Owner, stop work or terminate this Contract and recover from the Owner payment for all work executed and any loss sustained upon any plant or materials, and reasonable profit and damages on the Work performed to that date.

Sufficient cause for termination of the Contract by the Contractor could be any of the following:

Stoppage of the work under an order of any court or other public authority, for a period of three (3) months, through no act or fault of the Contractor or of anyone employed by them.

16.4 PAYMENT SCHEDULE

1. Payment is contingent upon the Owner’s receipt of the specified guarantees from the Contractor.
2. Payment is contingent upon the owner’s receipt of the specified instructions, affidavits and approvals.
3. Notarized Waivers of Lien from the Contractor, all Subcontractors and all supplies must accompany the Request for Payment.
4. The accompanying “Waiver of Lien and Guarantee” form must be used by all Contractors, Subcontractors and supplies (Appendix C).

16.5 FEDERAL REQUIREMENTS

The following are Federal regulations which must be adhered to during the abatement project which governs asbestos abatement work or the hauling and disposal of asbestos waste materials including but not limited to:

U. S. Department of Labor, Occupational Safety and Health Administration (OSHA) including but not limited to:

Occupational Exposure to Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rules
Title 29, Part 1910, Section 1001 and
Part 1926, Section 59 of the
Code of Federal Regulations

Respiratory Protection
Title 29, Part 1910, Section 134 of the
Code of Federal Regulations
General Industry
Title 29, Part 1926, of the
Code of Federal Regulations

Access to Employee Exposure and Medical Records
Title 29, Part 1910, Section 2 of the
Code of Federal Regulations

Hazard Communication
Title 29, Part 1910, Section 1200 of the
Code of Federal Regulations

Specifications for Accident Prevention Signs and Tags
Title 29, Part 1910, Section 145 of the
Code of Federal Regulations

U. S. Environmental Protection Agency (EPA) including but not limited to:
Regulation for Asbestos
Title 40, Part 61, Subpart M of the
Code of Federal Regulations

U. S. Department of Transportation (DOT) including but not limited to:
Hazardous Materials Regulations
Title 49, Part 173, Section 1090 of the
Code of Federal Regulations

16.6 STATE REQUIREMENTS

The following are State regulations that must be adhered to during the abatement project Which govern asbestos abatement work or the hauling and disposal of asbestos waste materials which including but not limited to:

Michigan Public Act 135, 147, 439, 440, and 51 of 1993.

Bidders are required to comply with the Construction Safety Act, Act 154 of 1974.

16.7 LOCAL REQUIREMENTS

The Contractor is responsible for complying with all Local regulations that govern asbestos abatement work or the hauling and disposal of asbestos waste materials.

16.8 EPA GUIDANCE DOCUMENTS

The following are documents discussing asbestos abatement work or the hauling and disposal of asbestos waste materials, and are provided for the Contractor's information only. These documents do not describe the work nor are they a part of the work of this contract. Publications can be ordered by calling (202) 554-1404 in Washington, DC and they are:

Guidance for Controlling Asbestos-Containing Materials in Building. EPS 560/5-85-024.

Evaluations of the EPA Asbestos-in-school Identification and Notification Rule. EPA 560/5-84-005.

Asbestos Waste Management Guidance. EPA 530-SW-85-007.

A Guide to Respiratory Protection for the Asbestos Abatement Industry. EPA-560-POTS-86-001.

Managing Asbestos in Place. EPA 20T-2003, TS-799.

The Contractor is required to have posted on-site and available to the public upon request the following documents:

OSHA Regulation 29 CFR 1926.1101

16.9 NOTICES

The following are notices that must be applied for by the contractor before any abatement activity can begin.

16.9.1 U. S. Environmental Protection Agency (EPA)

Send Written Notification as required by USEPA National Emission Standards for Hazardous Air Pollutants (NESHAP) Asbestos Regulations (40 CFR 61, Subpart M) to the regional Asbestos NESHAP Contact at least 10 days prior to beginning any work on asbestos-containing materials. Send notifications to the following addresses:

(Wayne County Only)

MIOSHA Asbestos Program
LARA, CSHD
P. O. Box 30671
Lansing, MI 48909-8171

NESHAP Asbestos Program
Detroit Field Office, MDEQ, AQD
Cadillac Place, Suite 2-300
3058 West Grand Boulevard
Detroit, MI 48202

16.9.2 State and Local Agencies

The Michigan Department of Licensing and Regulatory Affairs requires a 10 calendar day notification of intent prior to the removal of asbestos-containing materials. The Michigan Department of Environmental Quality (MDEQ), Air Quality Division form (found in Appendix A) should be filled out completely and sent to the MIOSHA Asbestos Program - Department of Licensing and Regulatory Affairs, P. O. Box 30671, Lansing, MI 48909-8171. A copy of this form shall also be sent to the local county health department.

16.10 LICENSES

Maintain current licenses as required by applicable State of Local jurisdictions for the removal, transporting, disposal, or other regulated activity relative to the work on this contract.

16.11 POSTING AND FILING OF REGULATIONS

Maintain three (3) copies of the applicable Federal, State, and Local Regulations listed above. Post one copy of each at the job site. Keep one copy of each on file in the Contractor's office. Submit one copy of each to the Owner's Representative.

17.0 PROJECT COORDINATION

17.1 ADMINISTRATIVE AND SUPERVISORY PERSONNEL

Provide a full-time Competent Person who is experienced in administration and supervision of asbestos abatement projects including work practices, protective measures for buildings and personnel, disposal procedures, etc. The Competent Person is required by OSHA in 29 CFR 1926.1101 and AHERA for the Contractor and is the Contractor's Representative responsible for compliance with all applicable Federal, State and Local regulations, particularly those relating to asbestos-containing materials. This person must have completed a course at an EPA Training Center or equivalent certified course in asbestos abatement procedures, have had a minimum of two (2) years on-the-job training and meet any additional requirements set forth in 29 CFR 1926.1101 for a Competent Person. Furthermore, the Competent Person shall be accredited by the State of Michigan in accordance with Act 440 of Michigan Public Acts of 1988.

17.2 VENTILATION SYSTEM

It will be the responsibility of the Competent Person to make sure that the ventilation system is turned off and locked out before starting and during the abatement process.

17.3 SITE ACCESS RESTRICTION

The Owner's on-site Industrial hygienist and the Contractor's Competent Person will decide who is allowed into the restricted area. No one will be admitted without the approval of the two aforementioned persons.

17.4 SPECIAL REPORTS

17.4.1 Unusual Events

When an event of unusual and significant nature occurs at the site (examples: failure of negative pressure system, rupture of temporary enclosures), the Contractor shall prepare and submit a special report listing chain of events, persons participating, response by Contractor's personnel, evaluation of results or effects, and similar pertinent information. When such events are known or predictable in advance, advise Owner in advance at earliest possible date.

17.4.2 Accidents

Prepare and submit reports of significant accidents, at the site or anywhere else work is in progress. Record and document data and actions; comply with industry standards. For this purpose, a significant accident is defined to include events where personal injury is sustained, property loss of substance is sustained, and/or where the event posed a significant threat of loss or personal injury.

Prepare a contingency plan for emergencies including fire, accident, power failure, negative air system failure, supplied air system failure, or any other event that may require modifications or abridgement of decontamination or work area isolation procedures. Include in the plan specific procedures for decontamination or work area isolation. Note that nothing in this specification should impede safe exiting or the provision of adequate medical attention in the event of an emergency.

17.5 CONTINGENCY PLAN

17.5.1 Evacuation Procedures

Employees shall be trained in evacuation procedures in case of workplace emergencies.

A. Non-life-threatening

For non-life-threatening situations, employees injured or otherwise incapacitated shall decontaminate following normal procedures with assistance from fellow workers, if necessary, before exiting the workplace to receive proper medical treatment.

B. Life-threatening

For life-threatening injury or illness, worker decontamination shall take least priority after measures to stabilize the injured worker. Remove him/her from the workplace and obtain proper medical treatment.

17.5.2 Posted Information

The Contractor's Competent Person shall post in the clean room of the Personnel Decontamination Unit, telephone numbers and locations of emergency services including but not limited to fire, ambulance, doctor, police, power company and telephone company.

The Competent Person is responsible for posting a map to the nearest telephone.

18.0 RESPIRATORY PROTECTION

18.1 CONTRACTOR'S RESPONSIBILITY

It is the Contractor's responsibility to see that each employee involved in the asbestos abatement or maintenance and repair of friable asbestos-containing materials be trained in accordance with the training requirements specified by EPA, AHERA and the State of Michigan.

It is also the Contractor's responsibility to see to it that each employee who uses a negative pressure, half-mask, air-purifying respirator is fit tested in accordance with fit-testing procedures as outlined in U. S. Department of Labor, Occupational Safety and Health Administration, Safety and Health Standards 29 CFR 1910.134 and 29 CFR 1926.1101 and has documentation to indicate the type of respirator used and date of fit-test.

18.2 POWERED AIR-PURIFYING RESPIRATORS

The Contractor shall provide a sufficient quantity of high efficiency respirator filters approved for asbestos to permit workers to change filters whenever airflow through the face piece decreases to the level at which the manufacturer recommends filter replacement. It is required that regardless of flow; filter cartridges shall be replaced after 40 hours of use. The HEPA elements in filter cartridge shall be protected from getting wet during showering.

The entire exterior housing of the respirator including blower unit, filter cartridges, hoses, battery pack, face mask, belt, and cords shall be washed each time a worker leaves the work area. Caution should be used to avoid shoring the battery pack during washing. Provide an extra battery pack for each respirator so that one can be charging while the other is in use.

18.3 NEGATIVE PRESSURE HALF-MASK RESPIRATORS

Negative pressure half-mask respirators are permissible for removal site preparation and takedown operations. However, it is the responsibility of the Owner's on-site Industrial Hygienist to determine when and where negative pressure half-mask respirators are to be worn.

18.4 FILTER CARTRIDGES

The Contractor shall provide, at a minimum, HEPA filters labeled with NIOSH and MSHA Certification for "Radio nuclides, Radon Daughters, Dust, Fumes, Mists including Asbestos-Containing Dusts and Mists" and color-coded in accordance with ANSI Z228.2 (1980). In addition, a chemical cartridge section may be added, if required, for solvents, etc., in use. In this case, provide cartridges that have each section of the combination canister labeled with the appropriate color code and NIOSH/MSHA Certification.

18.5 RULES REGARDING RESPIRATOR PROTECTION

Respiratory Protection Program: Company with ANSI Z88.2 – 1980 "Practices for Respiratory Protection" and OSHA 29 CFR 1910.134 and 1926.1101.

Require that respiratory protection be used at all times if there is a possibility of disturbance of asbestos-containing materials, either intentional or accidental.

Require that a respirator be worn by anyone in a work area at all times, regardless of activity, during a period that starts with any operation which could release airborne fibers until the area has been cleared by the Owner's on-site Industrial Hygienist.

Regardless of airborne fiber levels, require that the minimum level of respiratory protection used be powered, air-purifying respirators with high-efficiency filters.

NOTE: Half-mask, negative pressure, air-purifying respirators are to be worn only at the discretion of the on-site Industrial Hygienist.

Single-use, disposable, or quarter-face respirators for any purpose are not allowed.

19.0 WORKER PROTECTION

19.1 WORKER TRAINING

It is the responsibility of the Contractor to see to it that the workers involved in the asbestos abatement are trained, in accordance with 29 CFR 1926.1101, Michigan Public Acts 135, 147, 439, and AHERA and MAP standard, in the dangers inherent in handling asbestos and breathing asbestos dust and in proper work procedures and personal and are protective measures. The topics covered in the course should include, but not be limited to:

1. Health effects associated with asbestos.
2. Relationship between smoking and asbestos in producing lung cancer.
3. Nature of operations that could result in exposure to asbestos.
4. Importance of and instruction in the use of necessary protective controls, practices, and procedures to minimize exposure including:
 - a. Engineering Controls
 - b. Work Practices
 - c. Respirators
 - d. Housekeeping Procedures
 - e. Hygiene facilities
 - f. Protective Clothing
 - g. Decontamination Procedures
 - h. Emergency Procedures
 - i. Waste Disposal Procedures
5. Purpose, proper use, fitting, instruction, and limitations of respirators as require by 29 CFR 1910.134.
6. Appropriate work practices for the work.
7. Requirements of medical surveillance program.
8. Review of 29 CFR 1926.1101.
9. Negative air systems.
10. Work practices including hands-on or on-job training.
11. Personal decontamination procedures.

19.2 MEDICAL EXAMINATION

Provide medical examinations for all workers who may encounter an airborne fiber level of 0.1 f/cc or greater for an 8-hour, time-weighted average. In the absence of specific airborne fiber data, provide a medical examination for all workers who will enter the work area for any reason. Examinations shall, as a minimum, meet OSHA requirements as set forth in 29 CFR 1926.1101. In addition, provide an evaluation of the individual's ability to work in environments capable of producing heat stress.

19.3 PROTECTIVE CLOTHING

It is the Contractor's responsibility to provide protective clothing for his/her employees and the on-site Industrial Hygienist(s) during the entire abatement operation. The items below are necessary to provide minimum worker protection during the abatement procedures but are not limited to these items.

19.3.1 Coveralls

Provide disposable, full-body coveralls and disposable heads covers, and require that all workers in the work area wear them. Provide a sufficient number for all required changes, for all workers in the work area.

NOTE: This shall include the on-site Industrial Hygienist(s).

19.3.2 Boots

Provide work boots with non-skid soles, and where required by OSHA, foot protection, for all workers. Provide boots at no cost to workers.

19.3.3 Goggles

Provide eye protection (goggles) as required by OSHA for all workers involved in scraping spraying, or any other activity that may cause eye injury.

NOTE: If full-face PAPR respirators are worn during the removal process goggles will not be necessary.

19.3.4 Gloves

Provide work gloves to all workers and require that they be worn at all times in the work area. Do not remove gloves from the work area and dispose of as asbestos-contaminated waste at the end of the work.

19.3.5 Hard Hats

Provide hard hats to all workers and require that they be worn at all times in the work area if there is any risk of falling material or site safety sets it as a requirement. Hard hats may be removed from the work area at the end of the work if they are properly decontaminated.

19.3.6 Fall Protection

Provide fall protection to all workers and require that they be worn at all times in the work area.

19.4 ADDITIONAL PROTECTION EQUIPMENT

Respirators, disposal coveralls, head covers, and footwear covers shall be provided by the Contractor for the Owner, Owner's Representative, the Owner's on-site Industrial Hygienist, Construction Manager/General Contractor, and other authorized personnel who may inspect the job site. Provide two (2) respirators and six (6) complete coveralls and, where applicable, six (6) respirator filter changes per day.

19.5 BEFORE ENTERING THE REMOVAL ENVIRONMENT

Each time a person enters and leaves the negative pressure enclosure area he/she must log in and log out. Entries should include name, social security number, time, and date.

19.6 ENTERING THE REMOVAL ENVIRONMENT

Each time the work area is entered, all persons shall remove all street clothes in the Changing Room of the Personnel Decontamination Unit and put on a new disposable coverall, a new head cover, and a clean respirator, then proceed through the shower room to the equipment room and put on work boots.

19.7 DECONTAMINATION PROCEDURES

It is mandatory that all workers shall adhere to the following personal decontamination procedures whenever leaving the work area.

1. When exiting area, remove disposable coveralls, disposable head covers, and disposable footwear covers or boots in the equipment room.
2. Still wearing respirators, proceed to showers. Care must be taken to follow reasonable procedures in removing the respirator to avoid releasing asbestos fibers while showering. The following procedures is required as a minimum:
 - a. If using a powered, air-purifying respirator (PAPR), hold blower unit above head to keep canisters dry and thoroughly wet body including hair and face.
 - b. With respirator still in place, thoroughly wash body, hair, respirator face piece, and all parts of the respirator except the blower unit and battery pack on a PAPR. Pay particular attention to the seal between face and respirator and under straps.
 - c. Take a deep breath, hold it and/or exhale slowly, completely wet hair, face, and respirator. While still holding breath, remove respirator and hold it away from face before starting to breathe.
 - d. Carefully wash face piece of respirator inside and out.
 - If using PAPR, shut down in the following sequence: first cap inlets to filter cartridges, then turn off blower unit (this sequence will help prevent debris which has collected on the inlet side of filter from dislodging and contamination the outside of the unit). Thoroughly wash blower unit and hoses. Carefully wash battery pack with wet rag. Be extremely cautions to avoid getting water in battery pack as this will short out and destroy battery.
 - e. Shower completely with soap and water.
 - f. Rinse thoroughly
3. Rinse shower room walls and floor prior to exit.
4. Proceed from shower to changing room and change into street clothes or into new disposable work items.

19.8 RULES WITHIN THE WORK AREA

It is mandatory that workers **DO NOT** eat, drink, smoke, or chew gum or tobacco in the work area. To eat, chew, drink or smoke, workers shall follow the decontamination procedure described above, then dress in street clothes before entering the non-restricted areas of the building.

20.0 PRODUCTS USED DURING ASBESTOS REMOVAL

It is the Contractor's responsibility to provide all necessary information in compliance with Michigan's Right-To-Know Law.

20.1 RIGHT-TO-KNOW REQUIREMENTS

Any commercial product or mixture of commercial products used by the Contractor during the abatement operations shall be stored in properly labeled containers. These labeled containers must include, but are not limited to, the following information.

1. Clearly labeled as to contents;
2. Appropriate hazard warning; and
3. Name and address of the manufacturer.

In addition, the Contractor's Competent Person shall have on-site and available upon request to the general public copy of all the product safety data sheets (SDS).

21.0 WORK PREPARATION

Set up a decontamination facility outside of the work area which shall consist of a change room, shower area and equipment area. The decontamination facility shall be subject to the approval of the Industrial hygienist.

21.1 WARNING SIGNS

Warning signs and/or banner tape shall be erected at every point of potential entry from the outside area. The warning signs shall be a bright color so that they may be easily noticed and shall be worded in accordance with OSHA regulation 1910.1001. The size of the signs and the size of the lettering shall be no less than the OSHA 1910.1001 and 1910.145 requirements.

21.2 PRE-CLEANING

Before beginning work, wet-clean and/or HEPA vacuum and contaminated removable items and equipment not secured to surfaces covered with the asbestos material, then remove them from the work area. Unless indicated otherwise, return these items and equipment to the work area after the job has been completed, and the area has been decontaminated.

21.3 TEMPORARY ELECTRICITY & LIGHTING

It is the Contractor's responsibility to provide temporary electricity & lighting in work areas. The contractor will supply his or her own licensed electrician for all work which deems necessary for one. This includes de-energizing the work areas(s) and hooking up of external electrical panels.

21.4 ELECTRICAL REQUIREMENTS

The Contractor is responsible for and shall provide power cords equipped with ground fault interrupters for all equipment to eliminate the possibility of electrical hazard in the abatement area.

21.5 ISOLATE THE WORK AREA

Isolate work areas for the duration of the work by completely sealing off all openings and fixtures in the area including, but not limited to: heating and ventilation ducts, doorways, corridors, and windows. Sealing of openings and fixtures shall be accomplished with plastic (polyethylene) sheeting duct taped securely in place. Plastic shall be at least 6 mil (0.006 inches) total thickness, as comprised by one or more layers.

21.6 REMOVABLE ITEMS

Those items which must be removed or opened solely to facilitate abatement operations, and which are not scheduled for demolition, shall be replaced in as good a status as existed prior to the beginning of work. Any asbestos-contaminated items (i. e., ceiling tiles) or items that cannot be removed without disturbing the asbestos shall be removed after, if feasible, the set-up of the negative pressure enclosure and decontamination unit are complete and operational.

21.7 NON-REMOVABLE ITEMS

If applicable, wet clean and/or HEPA vacuum and cover all non-removable items and equipment in the work area with polyethylene sheeting taped securely in place.

21.8 CEILING, FLOOR, AND WALL COVERINGS (IF APPLICABLE)

All floor surfaces, if applicable, are to be covered with two (2) layers of 6-mil polyethylene plastic. All wall surfaces are to be covered with two (2) layers of polyethylene plastic at least 4-mils thick. All surfaces are to be taped and/or spray-glued securely in place to protect them from damage by water or sealants.

21.9 DECONTAMINATION SHOWER SYSTEM

The Contractor shall provide an on-site decontamination shower system capable of handling the decontamination requirements of the abatement employees.

In addition, the Contractor shall also provide hot water, soap, shampoo, and towels for all personnel who enter the negative pressure enclosure. The decontamination shower system should have an attached water filtration system capable of removing asbestos fiber waste down to 5 microns in length.

21.10 NEGATIVE AIR SYSTEM

The Contractor shall provide a negative air system for use in the abatement area. This system shall be capable of producing 0.02 inches (water) of negative pressure and four (4) room changes per hour. The Contractor shall also provide a negative pressure recorder that will produce a permanent record of the negative pressure levels during the entire period the negative pressure system is in operations. The Owner's on-site Industrial Hygienist shall inspect the system before being put into operation.

21.11 ENTRANCE/EXIT BARRIERS

Build double barriers of polyethylene plastic at all entrances and exits to the work area so that the work area is always closed off by one barrier when workers enter or exit. Post warning signs at entrances.

22.0 REMOVAL OF ASBESTOS-CONTAINING MATERIALS

22.1 EQUIPMENT

The Contractor is responsible for but is not limited to the following equipment:

1. A vacuum equipped with High Efficiency Particulate Air (HEPA) filter with wet and/or dry attachments.
2. Airless sprayer.
3. Ground fault interrupters.
4. Auxiliary lighting.
5. Spray bottles.

NOTE: The Contractor shall provide ground fault interrupters for each piece of electrical equipment.

22.1.1 Rental Equipment

When rental equipment is to be used in abatement areas or to transport asbestos contaminated waste, a written notification stating the intended use of the rental equipment must be provided to the rental agency with a copy submitted to the on-site Industrial Hygienist.

22.1.2 Owner's Equipment

If the Owner permits the Contractor to use any of the Owner's equipment, tools or facilities, such use will be gratuitous and the Contractor shall release the Owner from any responsibility arising from claims for personal injuries, including death, arising out of the use of such equipment, tools, or facilities irrespective of the condition thereof or any negligence on the part of the Owner in permitting their use.

22.2 PRODUCTS

Deliver all products in the original packages, containers or bundles bearing the name of the manufacturer and the brand name (where applicable).

22.2.1 Wetting Materials

For wetting prior to the disturbance of asbestos-containing materials, use either amended water or a removal encapsulant:

A. Amended Water

Provide water to which a surfactant has been added. Use a mixture of surfactant and water which results in wetting of the asbestos-containing material and retardation of fiber release during disturbance of the material equal to or greater than provided by the use of one ounce of surfactant (consisting of 50% polyoxyethylene ester and 50% polyoxyethylene ether) mixed with five gallon of water.

B. Encapsulant

Provide a penetrating type encapsulant designed specifically for removal of asbestos-containing material. Use a material which results in wetting of the asbestos-containing material and retardation of fiber release during disturbance of the material equal to or greater than provided by water amended with a surfactant (consisting of 50% polyoxyethylene ester and 50% polyoxyethylene ether) mixed with five gallons of water.

22.2.2 Polyethylene Plastic

Provide a single polyethylene film in the largest sheet size possible to minimize seams, 6.0 mil thick as indicated, clear, frosted, or black as indicated.

22.2.3 Duct Tape

Provide duct tape in 2” or 3” widths as indicated, with an adhesive that is formulated to aggressively adhere to polyethylene plastic.

22.2.4 Spray Cement

Provide spray adhesive in aerosol cans which is specifically formulated to adhere tenaciously to polyethylene plastic.

22.2.5 Disposal Bags and Drums

Provide 6 mil thick, leak-tight, polyethylene bags labeled or fiber drums lined with 6 mil thick polyethylene bags with two labels with text as follows:

First Label:

CAUTION
CONTAINS ASBESTOS FIBERS
AVOID OPENING OR BREAKING CONTAINER
BREATHING ASBESTOS IS HAZARDOUS TO YOUR HEALTH

Second Label: Provide in accordance with 29 CFR 1910.1200(f) of OSHA’s Hazard Communication Standard:

DANGER
CONTAINS ASBESTOS FIBERS
AVOID CREATING DUST
CANCER AND LUNG DISEASE HAZARD
AVOID BREATHING AIRBORNE ASBESTOS, TREMOLITE, ANTHOPHYLLITE,
ACTINOLITE, CROCIDOLITE, AMOSITE, OR CHRYSOTILE FIBERS
RQ, ASBESTOS
Class 9
NA 2212, III

Third Label: Shall contain the Owner’s name and address at which the waste will be generated from.

22.2.6 Miscellaneous Cleaning Materials

The Contractor is responsible for providing cleaning materials including but not limited to the following:

- Bucket with ringers
- Sponge
- Mops
- Squeegees
- Scrapers
- Brushes
- Abrasive scrub pads

22.3 SUBSTITUTIONS

Do not substitute materials, equipment or methods that were stated in the contract unless the Industrial Hygienist has specifically approved such substitutions for this work. The Industrial Hygienist will consider proposals for substitutions of materials, equipment, and methods only when such proposals are accompanied by full and complete technical data and all other information required by the Owner to evaluate the proposed substitution.

22.4 WET REMOVAL

Thoroughly wet, to the satisfaction of the Owner's on-site Industrial Hygienist, asbestos-containing material to be removed prior to stripping and/or tooling to reduce fiber dispersal into the air. Accomplish wetting by a fine spray (mist) of amended water or removal encapsulant. Allow time for water or removal encapsulant to penetrate material thoroughly. If amended water is used, spray material repeatedly during the work process to maintain a continuously wet condition. If a removal encapsulant is used, apply in strict accordance with manufacturer's written instructions. Perforate outer covering of any installation which has been painted and/or jacketed in order to allow penetration of amended water or removal encapsulant. Where necessary, carefully strip away while simultaneously spraying amended water or removal encapsulant on the installation to minimize dispersal of asbestos fibers in the air.

22.4.1 Misting Work Area

It is the Contractor's responsibility to mist the work area with amended water whenever necessary to reduce airborne fiber levels.

23.0 PROJECT DECONTAMINATION

23.1 CLEANING THE REMOVAL AREAS

23.1.1 First Cleaning

Conduct a first cleaning of all surfaces of the work area including critical barrier, sheeting, tools, scaffolding and/or staging using damp-cleaning and mopping, and/or a High Efficiency Particulate Air (HEPA) filtered vacuum. (**NOTE:** An ordinary HEPA vacuum will fail if used with wet material.) Do not dry dust or dry sweep. Use each surface of a cleaning cloth one time only and then dispose of as contaminated waste. Continue cleaning until there is no visible dust, debris or residue on plastic sheeting or other surfaces.

If the area is found to be clean and free of visible dust or debris by the on-site Industrial Hygienist, proceed to encapsulation procedures. If visible dust is present, proceed to the second cleaning operations.

23.1.2 Second Cleaning

Carry out a second cleaning of all surfaces in the work area in the same manner as the first cleaning. This process is to continue until the Owner's on-site Industrial Hygienist declares the area free of any visible dust.

23.2 VISUAL INSPECTION

A Complete Visual Inspection of the entire work area including decontamination unit, barrier sheeting, seal over ventilation openings, doorways, and windows, etc. for debris from any sources, residue on surfaces shall be performed by the Owner's on-site Industrial Hygienist. If any such

debris or residue is found, repeat the first cleaning and continue the decontamination procedure from that point. When the area is visually clean the Contractor may proceed to encapsulation.

23.3 ENCAPSULATION

All surfaces within the plenums shall be encapsulated by use of an airless sprayer. The encapsulant shall be applied according to the manufacturer's instructions and suggested application rate.

23.4 REMOVAL OF NON-CRITICAL BARRIERS

After the encapsulant has dried, the Contractor shall remove all non-critical barriers, such as the polyethylene walls and floors, while leaving all critical barriers in place so as to maintain negative pressure within the full enclosure.

The Industrial Hygienist for any leakage or contamination shall inspect all areas beneath the non-critical barriers. The Contractor shall clean all leakage or contamination found by the Industrial Hygienist and repairs any critical barriers, if necessary.

24.0 CLEARANCE SAMPLING

When the containment area passes the final visual inspection, the Industrial Hygienist shall perform clearance air sampling to determine if the response action has been properly completed.

24.1 PHASE CONTRAST MICROSCOPY (PCM)

PCM clearance sampling shall be performed. The number of samples taken and locations shall comply with AHERA regulations and all other applicable Federal, State, and Local government.

25.0 REMOVAL OF CRITICAL BARRIERS

After the clearances air samples are found to meet release criteria, the Contractor shall remove the critical barriers and decontamination unit and conduct any necessary additional cleaning or repairs to the work area(s). The intake end of the negative air machines shall be sealed with 6-mil polyethylene at the time they are shut down and before being removed from the work area.

26.0 DISPOSAL OF ASBESTOS-CONTAINING WASTE MATERIALS

26.1 PACKAGING

All asbestos-containing waste material and debris, which is generated during the abatement project, shall be packaged and disposed of in accordance with Federal, State, and Local regulations where they apply.

All asbestos-containing material shall be disposed of in doubled 6 mil, labeled, polyethylene bags properly sealed using duct tape; or 6 mil polyethylene bag lined and labeled, properly sealed fiber drums. The Industrial Hygienist shall determine when fiber drums must be used and/or wrapping of material in 6 mil polyethylene sheets.

Double bagging of the asbestos waste shall take place in the waste load-out enclosure or the equipment room of the personnel decontamination unit (DECON). All containerized asbestos waste shall be double bagged in the shower unit when being transported from the DECON.

NOTE: All abatement personnel involved in transportation of the asbestos waste from the negative-pressure enclosure to the transportation vehicle or dumpster shall wear protective clothing and, at a minimum, a half-face, negative-pressure, air-purifying respirator with appropriate filter cartridges.

26.2 TRANSPORTATION

Carefully load containerized waste on sealed and labeled trucks or other appropriate vehicles for transport. Exercise care before and during transport, to ensure that no unauthorized persons have access to the materials. Wayne State University will be providing a closed-top dumpster on-site for material so transportation will only be required from the work area to the dumpster.

Do not store bagged material for disposal outside the work area. Take bags from the work area directly to the dumpster. During loading and unloading of the dumpster, the dumpster must be marked with the following signs in accordance with 40 CFR 61.149 (d):

DANGER
ASBESTOS DUST HAZARD
CANCER AND LUNG DISEASE HAZARD
AUTHORIZED PERSONNEL ONLY

Uncontaminated drums may be reused. Treat drums that have been contaminated as asbestos containing waste and dispose of accordingly.

26.3 LANDFILL

The disposal of the asbestos containing, non-hazardous waste material shall be confined to a Type II landfill. Under no circumstances shall the material be allowed to enter a Type I landfill.

All material disposal to the landfill will be handled by Wayne State University.

26.4 WAYNE STATE UNIVERSITY REQUIREMENTS FOR WASTE HANDLING

Authority for Wayne State University asbestos waste remains with WSU for the duration of any project. The asbestos Abatement Contractor is responsible for assuring that no asbestos waste is taken off of the WSU campus. All waste materials must be taken to the WSU designated asbestos waste roll-off boxes.

Personnel of the Office of Environmental Health Science (OEHS) will now be signatory on all hazardous waste manifests. It shall be the responsibility of WSU Project Managers to coordinate OEHS' involvement in this process, and the abatement contractor shall cooperate with OEHS personnel to obtain their sign-off. Inclusion of completely filled-out manifests will remain a part of invoicing requirements.

Contactors working on Wayne State University facilities, sites, or equipment may generate waste material in the course of their work. Some of these materials, such as excavated soils, spent fluids, oil, cleaning solutions, asbestos, lead, etc. may be considered to be hazardous waste. Wayne State University's Office of Environmental Health and Safety ("OEHS") is designated as the University's sole approving authority regarding waste handling issues. OEHS must be included, beforehand, in any such work, and will be the sole determiner of hazard and proper disposition of wastes. Specifically, this means that OEHS will be the advance approver of analytical work requirements, the final determination of hazard class and description, and approval of both the transporter and disposal site. Only a qualified representative from OEHS is allowed to sign manifests for hazardous wastes. No waste removal operations can occur without OEHS pre-approval.

APPENDIX A

**Michigan Department of Licensing and Regulatory Affairs
Notification of Intent to Renovate/Demolish**

NOTIFICATION OF INTENT TO RENOVATE/DEMOLISH



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
(MDEQ) AIR QUALITY DIVISION
NESHAP, 40 CFR Part 61, Subpart M



MICHIGAN DEPARTMENT OF LICENSING AND
REGULATORY AFFAIRS (LARA), ASBESTOS PROGRAM,
P.A. 135 OF 1986, AS AMENDED, Section 220 (1-4) or (8)

DEQ/LARA USE ONLY

Postmark Date ___/___/___ Rec'd Date ___/___/___
 Emergency Date ___/___/___ Valid No. _____
 OK Send Def Ltr. Date of Def Ltr. ___/___/___
 FOLLOW UP ___/___/___ Spoke w/ _____
 Comments: _____

 Notification No. _____ Trans No. _____

3. ABATEMENT CONTRACTOR: Internal Project #: _____
 Name: _____
 Mailing Address: _____
 City/State/Zip: _____
 E-mail: _____
 Contact: _____ Phone: _____

4. DEMOLITION CONTRACTOR: Internal Project #: _____
 Name: _____
 Mailing Address: _____
 City/State/Zip: _____
 E-mail: _____
 Contact: _____ Phone: _____

Calculate LARA Asbestos Project Fee: (1% Project Fee)
 Total Project Cost: _____ x 0.01 = _____
 Type of Contractor: _____ License No.: _____
 Licensing Authority: _____

5. FACILITY OWNER: ("Facility" includes Bridges)
 Name: _____
 Mailing Address: _____
 City/State/Zip: _____
 E-mail: _____
 Contact: _____ Phone: _____

1. NOTIFICATION:
 Date of Notification: _____
 Date of Revision(s): _____
 Notification Type: Original Revised Canceled Annual
Mark appropriate boxes: (both DEQ and LARA may apply):
DEQ (NESHAP) [260 ln. ft./160 sq. ft. or more is threshold]
 Planned Renovation – 10 working days notice
 Emergency Renovation
 Scheduled Demolition – 10 working days notice
 Intentional Burn – 10 working days notice
 Ordered Demolition
LARA (MIOSHA) [Will not accept annual notifications]
 Demo, Reno, Encap. (>10 ln. ft./15 sq. ft.) 10 calendar days notice
 Emergency Renovation/Encapsulation

6. FACILITY DESCRIPTION:
 Facility Name: _____
 Location Address/Description: _____
 _____ If Apt. # of units: _____
 City/Twp. _____ State: _____ Zip Code: _____
 County: _____ Nearest Crossroad: _____
 Size: (sq. ft.) _____ No. of Floors: _____ Floor No.: _____
 Age: _____ Present Use: _____ Prior Use: _____
 Specific Location(s) in Facility: _____

2. PROJECT SCHEDULE:

	START DATE	END DATE
* Renovation	_____	_____
+Asb. Removal	_____	_____
+Demolition:	_____	_____
Encapsulation:	_____	_____

Work Schedule: Please indicate the anticipated days of the week and work hours for the purpose of scheduling a compliance inspection.

	Days of the Week	Work Hours
Asb. Removal:	_____	_____
Demolition:	_____	_____
Encapsulation:	_____	_____

* Includes setup, build enclosure, asbestos removal, demobilizing, etc.
 +Include only those dates you are conducting asbestos removal/demo.
 Check here if this is a multi-phased project, attach a schedule showing the start/end date of each phase.

7. DISPOSAL SITE:
 Name: _____
 Location Address: _____
 City/State/Zip: _____

8. WASTE TRANSPORTER 1:	WASTE TRANSPORTER 2:
Name: _____	_____
Address: _____	_____
City/State/Zip: _____	_____
Phone: _____	_____

9. ORDERED DEMOLITIONS: (See NESHAP regulations for definition of "Ordered Demolition.") A copy of the official Order must accompany this notification.
 Gov't Agency Ordering Demo: _____
 Name/Title of Person Signing Order: _____

 Date of Order: _____ Date Ordered to Begin: _____

10. IS ASBESTOS PRESENT? Yes No To be removed prior to demolition

Estimate the amount of asbestos: Include RACM (Regulated Asbestos Containing Material) to be removed, encapsulated, etc. Also include the amount and type (floor tile, roofing, etc.) of non-friable Category I and/or Category II ACM that will not be removed prior to demolition. (NOTE: In a demolition, cementitious ACM cannot remain in a structure, as it is likely to become regulated in the demolition/handling process. It must be removed prior to demolition.)

RACM to be Removed	RACM to be Encapsulated	Non-friable ACM <u>not</u> removed prior to demo.		Units of Measure	
		Category I	Category II	Ln. Ft.	Ln. M.
_____	_____	_____	_____	<input type="checkbox"/> Sq. Ft.	<input type="checkbox"/> Sq. M.
_____	_____	_____	_____	<input type="checkbox"/> Cu. Ft.*	<input type="checkbox"/> Cu.M.*

*Volume (cubic ft./meters) should be used only if unable to measure by linear/square measure (example: asbestos has fallen off of surface).

(continued on reverse side)

NOTIFICATION OF INTENT TO RENOVATE/DEMOLISH (continued)

<p>11. PROJECT DESCRIPTION: Complete A for Renovation (asbestos removal/encapsulation) and/or B for Demolition:</p> <p>A) RENOVATION: Mark all surfaces/types of RACM to be removed:</p> <p><input type="checkbox"/> Piping <input type="checkbox"/> Fittings <input type="checkbox"/> Boiler(s) <input type="checkbox"/> Tanks(s) <input type="checkbox"/> Beam(s) <input type="checkbox"/> Duct(s) <input type="checkbox"/> Tunnel(s) <input type="checkbox"/> Ceiling Tile(s) <input type="checkbox"/> Mag Block <input type="checkbox"/> Other (describe) _____</p> <p>Encapsulation (for LARA): Mark surfaces/types to be encapsulated:</p> <p><input type="checkbox"/> Piping <input type="checkbox"/> Fittings <input type="checkbox"/> Boiler(s) <input type="checkbox"/> Tank(s) <input type="checkbox"/> Beam(s) <input type="checkbox"/> Duct(s) <input type="checkbox"/> Tunnel(s) <input type="checkbox"/> Ceiling Tile(s) <input type="checkbox"/> Other (describe) _____</p> <p>Method of removal: Describe <u>how</u> the asbestos will be removed from the surface (example: glove bag, scrape with hand tools, cut in sections and carefully lower, etc.): _____ _____</p> <p>B) DEMOLITION: Describe the method of demolition of facility, bridge, etc., and indicate if complete or partial. If partial, describe which part of facility bridge, etc., will be demolished: _____ _____</p>					
<p>12. ENGINEERING CONTROLS: Describe work practices and engineering controls used to prevent visible emissions before, during, and after removal, and until proper disposal: _____ _____</p>					
<p>13. UNEXPECTED ASBESTOS: Describe the steps you intend to follow in the event that unexpected RACM is found or previously non-friable asbestos becomes friable (crumbled, pulverized, reduced to powder, etc.) and therefore regulated: _____ _____</p>					
<p>14. PROCEDURE(S) USED TO DETECT THE PRESENCE OF ASBESTOS: A) Indicate how you determined whether or not asbestos is in the facility. If analytical sampling was used, describe method of analysis. (The determination of the presence or absence of asbestos must be made prior to submitting a renovation/demolition notification.): _____ _____</p> <p>B) Name, address, and phone number of company performing asbestos survey: _____</p> <p>C) Name, accreditation number of inspector, and date of inspection: _____</p>					
<p>15. EMERGENCY RENOVATIONS: Date/time of emergency: _____ Describe the sudden, unexpected event: _____ _____ Explain how the event caused unsafe conditions, and/or would cause equipment damage and/or an unreasonable financial burden: _____ _____</p>					
<p>16. I certify that an individual trained in the provisions of 40 CFR Part 61, Subpart M, will be on-site during the renovation and during demolition involving RACM above the threshold and/or during an ordered demolition. Evidence that this person has completed the required training will be available for inspection at the renovation or demolition site.</p> <p>_____ <i>Signature of Owner or Abatement Contractor Date Signature of Owner or Demolition Contractor Date</i></p>					
<p>17. Signature Requirements for Projects with Negative Pressure Enclosures: (required by LARA) Per Section 221(1)(2) of P.A. 135 of 1986, as amended, clearance air monitoring is required for any asbestos abatement project involving 10 linear feet/15 square feet or more of friable material which is performed within a negative pressure enclosure. I (the building owner or lessee) have been advised by the contractor of my responsibility under Act 135 to have clearance air monitoring performed on this project.</p> <p>_____ <i>Signature of Building Owner or Lessee Date Signature of Asbestos Abatement Contractor Representative Date</i></p> <p>NOTE: It is not mandatory that a signed copy be sent to LARA unless requested. For affected projects, this section of the notification form must be completed, signed, and made part of your records before the project begins.</p>					
<p>18. I certify that the above information is correct:</p> <p>_____ <i>Printed Name of Owner/Operator Date Signature of Owner/Operator Date</i></p>					
<p>MAILING ADDRESSES/PHONE NUMBERS: (See Item 1 to determine which agency requirements/regulations are applicable to your project.)</p> <table border="0" style="width:100%;"> <tr> <td style="width:50%; vertical-align: top;"> <p>For Public Act 135 of 1986, as amended, Section 220 (1-4) or (8), mail to address below. For more info visit: http://www.michigan.gov/asbestos</p> <p>MIOSHA Asbestos Program LARA, CSHD P.O. Box 30671 Lansing, MI 48909-8171</p> <p>517.636.4551 (office), 517.322.1713 (fax)</p> </td> <td style="width:50%; vertical-align: top;"> <p>For NESHAP Demolitions/Renovations, 40 CFR, Part 61, Subpart M, mail notifications to the appropriate address below (by county of subject facility): For more info visit http://www.michigan.gov/deq click on Air, then Asbestos NESHAP Program.</p> <table border="0" style="width:100%;"> <tr> <td style="width:50%; vertical-align: top;"> <p><u>All Counties (except Wayne County)</u></p> <p>NESHAP Asbestos Program DEQ, AQD P.O. Box 30260 Lansing, MI 48909-7760</p> <p>517.241.7463 (Office) 517.373.7064 (Revision Line)</p> </td> <td style="width:50%; vertical-align: top;"> <p><u>Wayne County Only</u></p> <p>NESHAP Asbestos Program Detroit Field Office, DEQ, AQD Cadillac Place, Suite 2-300 3058 West Grand Boulevard Detroit, MI 48202</p> <p>313.456.4686 (Office) 313.456.2558 (Revision Line)</p> </td> </tr> </table> </td> </tr> </table>		<p>For Public Act 135 of 1986, as amended, Section 220 (1-4) or (8), mail to address below. For more info visit: http://www.michigan.gov/asbestos</p> <p>MIOSHA Asbestos Program LARA, CSHD P.O. Box 30671 Lansing, MI 48909-8171</p> <p>517.636.4551 (office), 517.322.1713 (fax)</p>	<p>For NESHAP Demolitions/Renovations, 40 CFR, Part 61, Subpart M, mail notifications to the appropriate address below (by county of subject facility): For more info visit http://www.michigan.gov/deq click on Air, then Asbestos NESHAP Program.</p> <table border="0" style="width:100%;"> <tr> <td style="width:50%; vertical-align: top;"> <p><u>All Counties (except Wayne County)</u></p> <p>NESHAP Asbestos Program DEQ, AQD P.O. Box 30260 Lansing, MI 48909-7760</p> <p>517.241.7463 (Office) 517.373.7064 (Revision Line)</p> </td> <td style="width:50%; vertical-align: top;"> <p><u>Wayne County Only</u></p> <p>NESHAP Asbestos Program Detroit Field Office, DEQ, AQD Cadillac Place, Suite 2-300 3058 West Grand Boulevard Detroit, MI 48202</p> <p>313.456.4686 (Office) 313.456.2558 (Revision Line)</p> </td> </tr> </table>	<p><u>All Counties (except Wayne County)</u></p> <p>NESHAP Asbestos Program DEQ, AQD P.O. Box 30260 Lansing, MI 48909-7760</p> <p>517.241.7463 (Office) 517.373.7064 (Revision Line)</p>	<p><u>Wayne County Only</u></p> <p>NESHAP Asbestos Program Detroit Field Office, DEQ, AQD Cadillac Place, Suite 2-300 3058 West Grand Boulevard Detroit, MI 48202</p> <p>313.456.4686 (Office) 313.456.2558 (Revision Line)</p>
<p>For Public Act 135 of 1986, as amended, Section 220 (1-4) or (8), mail to address below. For more info visit: http://www.michigan.gov/asbestos</p> <p>MIOSHA Asbestos Program LARA, CSHD P.O. Box 30671 Lansing, MI 48909-8171</p> <p>517.636.4551 (office), 517.322.1713 (fax)</p>	<p>For NESHAP Demolitions/Renovations, 40 CFR, Part 61, Subpart M, mail notifications to the appropriate address below (by county of subject facility): For more info visit http://www.michigan.gov/deq click on Air, then Asbestos NESHAP Program.</p> <table border="0" style="width:100%;"> <tr> <td style="width:50%; vertical-align: top;"> <p><u>All Counties (except Wayne County)</u></p> <p>NESHAP Asbestos Program DEQ, AQD P.O. Box 30260 Lansing, MI 48909-7760</p> <p>517.241.7463 (Office) 517.373.7064 (Revision Line)</p> </td> <td style="width:50%; vertical-align: top;"> <p><u>Wayne County Only</u></p> <p>NESHAP Asbestos Program Detroit Field Office, DEQ, AQD Cadillac Place, Suite 2-300 3058 West Grand Boulevard Detroit, MI 48202</p> <p>313.456.4686 (Office) 313.456.2558 (Revision Line)</p> </td> </tr> </table>	<p><u>All Counties (except Wayne County)</u></p> <p>NESHAP Asbestos Program DEQ, AQD P.O. Box 30260 Lansing, MI 48909-7760</p> <p>517.241.7463 (Office) 517.373.7064 (Revision Line)</p>	<p><u>Wayne County Only</u></p> <p>NESHAP Asbestos Program Detroit Field Office, DEQ, AQD Cadillac Place, Suite 2-300 3058 West Grand Boulevard Detroit, MI 48202</p> <p>313.456.4686 (Office) 313.456.2558 (Revision Line)</p>		
<p><u>All Counties (except Wayne County)</u></p> <p>NESHAP Asbestos Program DEQ, AQD P.O. Box 30260 Lansing, MI 48909-7760</p> <p>517.241.7463 (Office) 517.373.7064 (Revision Line)</p>	<p><u>Wayne County Only</u></p> <p>NESHAP Asbestos Program Detroit Field Office, DEQ, AQD Cadillac Place, Suite 2-300 3058 West Grand Boulevard Detroit, MI 48202</p> <p>313.456.4686 (Office) 313.456.2558 (Revision Line)</p>				

EQP5661 (rev. 04/12)

MIOSHA-CSH 142 (rev. 09/12)

APPENDIX B

Certificate of Worker's Acknowledgement

CERTIFICATE OF WORKER'S ACKNOWLEDGEMENT

PROJECT NAME _____ DATE _____

PROJECT ADDRESS _____

CONTRACTOR'S NAME _____

WORKING WITH ASBESTOS CAN BE DANGEROUS; INHALING ASBESTOS FIBERS HAS BEEN LINKED WITH VARIOUS TYPE OF CANCER. IF YOU SMOKE AND INHALE ASBESTOS FIBERS THE CHANCE THAT YOU WILL DEVELOP LUNG CANCER IS GREATER THAN THAT OF THE NON-SMOKING PUBLIC.

Your employer's contract with the Owner for the above project requires that: You be supplied with the proper respirator and be trained in its use; You are trained in safe work practices and in the use of the equipment found on the job; and, You receive a medical examination. These things are to have been done at no cost to you. By signing this certification you are assuring the Owner that your employer has met these obligations to you.

RESPIRATORY PROTECTION: I have been trained in the proper use of respirators, an informed of the type of respirator to be used on the above reference project. I have been equipped at no cost with the respirator to be used on the above project.

TRAINING COURSE: I have been trained in the dangers inherent in handling asbestos, breathing asbestos dust, in proper work procedures, and personal and area protective measures. The topics covered in the course included the following:

- Physical characteristics of asbestos
- Health hazards associated with asbestos
- Respiratory protection
- Use of protective equipment
- Negative air systems
- Work practices including hand-on or on-job training
- Personal decontamination procedures
- Air monitoring, personal and area

MEDICAL EXAMINATION: I have had a medical examination within the past 12 months that was paid for by my employer. This examination included: health history, pulmonary functions tests and may have included an evaluation of a chest x-ray.

Signature _____

Printed Name _____

Social Security Number _____

Witness _____

APPENDIX C

Waiver of Lien Guarantee

WAIVER OF LIEN AND GUARANTEE

We, the undersigned, do hereby waive and release any and all liens, claims or right of lien on the Project described below under and by virtue of the General Labor and Mechanics' Lien Law of the State of Michigan.

Wayne State University

PROJECT

5447 Woodward Ave, Detroit, MI – School of Social Work Renovation

LOCATION

For Labor / Material as Described Below:

Further, we do also hereby Guarantee our parts of this Project to the length of time stated in the Specifications. This time shall accrue from the Date of Substantial Completion, Which was:

_____ 2015

Signed, Sealed and Delivered this _____ day of _____, 2015.

Legal Signature

Title

Company

(Notary Public Stamp)

APPENDIX D

Definition of Terms / Important Provisions

DEFINITION OF TERMS

1. The terms “Owner” or “Owners” refer to Wayne State University, Detroit, MI.
2. The term “Contractor” refers to the bidding company, corporation or partnership who is awarded the contract for the work under these specifications.
3. The terms “Industrial Hygienist” and “Consultant” refer to the company, corporation or partnership who is awarded the contract for asbestos air monitoring and/or abatement project administration.
4. Bid Documents, including the Advertisement or Invitation to Bid, Instruction to Bidders, Proposal Form, Contract Forms, Drawing and Specifications including any Addenda issued prior to receipt of Bid Proposals.
5. Addenda are written or graphic instruments issued prior to the execution of the Contract which modify or interpret the Bid Documents, including drawings and specifications by additions, deletions, clarifications or corrections. Addenda will become part of the Contract Documents when the Construction Contract is executed. Addenda will be mailed or delivered to each person or firm recorded by the Owners as having received a set of Bid Documents and will be available for inspection wherever the Bid Documents are kept available for that purpose.
6. The term “Produce” refers to a written and/or visual verification of possession.

IMPORTANT PROVISIONS

1. EQUAL OPPORTUNITY

Wayne State University of Detroit, Michigan operates on an equal opportunity / affirmative action basis in its Bidding policy. Bidding is open to all interested parties in compliance with National, State and Local laws.

2. ROYALTIES AND PATENTS

The Contractor shall pay royalties and license fees and shall defend all suits or claims whatsoever for infringement of the Natal patent or any patent rights, which may arise on this work, and shall hold the Owner and Project Designer harmless from any claim, loss or liability on account thereof.

3. KIRKLAND ANTI-KICKBACK PLUS

This project shall be performed under the Kirkland Anti-Kickback Rules pursuant to Executive Order 1142.



"Building a Safer Environment"

**Multi-Building Comprehensive Asbestos Inspection and Testing Project
WSU Project # PO 624032**

Prepared for:

**The Board of Governors
Wayne State University
Detroit, MI 48202**

***COMPREHENSIVE ASBESTOS INSPECTION AND TESTING
OF BUILDING 700-DETROIT INSTITUTE FOR CHILDREN
LOCATED ON THE
WAYNE STATE UNIVERSITY CAMPUS
DETROIT, MI***

Prepared By:

**Environmental Testing and Consulting, Inc.
38900 Huron River Dr.
Romulus, Michigan 48174
(734) 955-6600
Fax: (734) 955-6604**

Date: February 28, 2013

Project #: 143912

TABLE OF CONTENTS
700-Detroit Institute for Children

	Page(s)
1.0) Introduction	1
2.0) Regulatory Requirements	1
3.0) Health Aspects of Asbestos	3
4.0) Collection of Data and Survey of Facility	4
4.1) Sampling Protocol	
4.2) Site Inspection	
4.3) Sample Site Selection	
4.4) Search Pattern	
4.5) Sample Acquisition	
5.0) Analysis Protocol.....	6
6.0) Survey Problems and Concerns.....	7
7.0) Data Collection Form Description	8
8.0) Bulk Sample Results Form Description.....	10
9.0) Summary and Conclusions	10
10.0) Signature Page	12

APPENDICES

- A) All Materials Sampled List
- B) Asbestos Containing Materials List
- C) Data Collection Sheets and Material Information
- D) Bulk Insulation Sampling Results
- E) Facility Maps
- F) Inspector Certifications Information
- G) Laboratory Certifications Information

1.0) INTRODUCTION

Airborne asbestos contamination in buildings is a significant environmental problem. It has been determined and documented that inhalation of significant quantities of airborne asbestos fibers over an extended period of time can have serious health effects. In order to assess any potential health risks within a building, it is necessary to conduct a survey of the building to identify and locate any friable or non-friable asbestos-containing materials (ACM) that may be located within it.

If and when ACM is located within a building, the ACM must then be evaluated and assessed to determine whether any immediate health hazards are presented to the building occupants. It must be noted that the presence of asbestos in a building does not necessarily mean that the health of the building occupants is endangered. As long as an ACM remains intact (in good condition and is not disturbed, damaged, or mutilated), exposure of asbestos fibers to the air is unlikely.

Wayne State University (WSU) contracted ETC - Environmental Services (ETC) to perform a survey of **Building 700-Detroit Institute for Children**. This survey was to include sampling all friable and non-friable materials from both the interior and exterior of the building. ETC's industrial hygienist, Will Smallman, conducted the survey which occurred from February 28, 2013 through March 8, 2013. The industrial hygienist identified areas where materials suspected of containing asbestos were located. Wherever such materials were found, data was collected regarding area quantities, conditions, potential hazard concerns and deterioration factors. As necessary, samples of each type of material were taken in different locations to determine actual asbestos content.

All samples collected in this survey were analyzed for asbestos content. The analysis followed the Environmental Protection Agency's (EPA) recommended method of Polarized Light Microscopy (PLM) and the EPA-PLM protocol for the determination of asbestos fibers in bulk insulation materials.

2.0 REGULATORY REQUIREMENTS

The Environmental Protection Agency (EPA) set the standard for asbestos surveys in the AHERA regulations (40 CFR Part 763) which required surveys of all school buildings in the United States. These regulations were specific regarding survey techniques, number of samples required and certification of inspectors. These same regulations were modified and increased when AHERA was reauthorized under ASHARA. The ASHARA reauthorization also expanded the AHERA requirements to certify inspectors performing surveys in all public and commercial buildings.

In addition to the EPA regulations, the Department of Occupational Safety and Health (OSHA) has also passed regulations affecting the performance of asbestos surveys in buildings. According to current OSHA regulations (29 CFR 1926.1101), building owners must inform occupants of the location, quantity and condition of confirmed or assumed asbestos containing materials within all public and commercial facilities.

In addition to these regulations regarding surveys, facility owners and operators are also required to insure that employees or occupants of their buildings are not exposed to unsafe levels of airborne asbestos. Allowable fiber levels as defined by the regulatory agencies and standards below dictate which levels are applicable in which facilities:

0.01 f/cc - Environmental Protection Agency (EPA) Clean Air Standard

This standard was designed as a clearance criterion for asbestos removal projects in schools. This means that if a removal project occurs in a school, air testing must be conducted in the removal area after work is completed. The results of this sampling must be below this level in order to allow reoccupancy of this area.

0.05 f/cc - Michigan Occupational Safety and Health Administration (MIOSHA) Clean Air Standard

This standard is similar to the EPA standard previously mentioned except that it applies to all other public buildings and areas within the State of Michigan.

0.10 f/cc - Occupational Safety and Health Administration (OSHA) Personal Exposure Level

This is the OSHA permissible exposure limit (PEL) average over an 8 hour day. This means that this is the maximum level of asbestos that workers and/or employees can be exposed to without respirator protection and protective clothing. Should air sampling be at or near the PEL the employer will have to:

- Implement Worker Training
- Employee Respiration Monitoring
- Recordkeeping
- Medical Surveillance
- Notify Workers
- Post Danger Signs
- Perform periodic air monitoring, establish regulated areas, and construct decontamination facilities
- Provide respiratory protection and personnel protective clothing

For these reasons, it is important that building owners conduct a combination of a complete asbestos bulk survey and periodic air monitoring to determine what types of asbestos containing materials (ACM) are present in their building, what condition these materials are in and to what extent these materials have become airborne.

Although only schools are federally mandated to conduct asbestos surveys of their buildings, most private industry and governmental institutions are having asbestos surveys conducted to limit their liability with regards to ACM and to comply with the OSHA requirements. Building owners are also arranging for periodic air monitoring to be conducted in areas of the building where ACM exists and can not be immediately removed. These air results can be compared to current regulations as shown above to determine if the airborne concentrations are excessive.

3.0) HEALTH ASPECTS OF ASBESTOS

Asbestos is a generic term encompassing various fibrous mineral silicates, including chrysotile (hydrated magnesium silicate), Amosite (iron magnesium silicate), Crocidolite (sodium-iron silicate), Tremolite (calcium-magnesium silicate), Anthophyllite (another iron-magnesium silicate), and Actinolite (calcium-magnesium-iron silicate).

The potential health hazards associated with exposure to asbestos results from inhalation of airborne fibers; small asbestos fibers can pass readily through the upper respiratory tract and be deposited in the terminal bronchioles of the lung. There they can produce a local irritation which the body attempts to neutralize by initiating a tissue response. The resulting body response is encapsulation of the fibers and consequent formation of "asbestos nodules." Asbestos fibers are the causative agents in cases of asbestosis.

In its most severe form, asbestosis can contribute to, and result in, death due to the inability of the body to obtain oxygen because of the heart's ability to pump blood through scarred lungs. Exposure to airborne asbestos fibers has also been associated with bronchogenic carcinoma (a malignancy of the interior of the lung), mesothelioma (a diffuse malignancy of the lining of the chest cavity or abdomen), and cancer of the stomach, colon, and rectum. Cigarette smoking can enhance the incidence of bronchogenic carcinoma.

A NIOSH/OSHA committee concluded that "evaluation of all available human data provides no evidence for a threshold or for a safe level of asbestos exposure." The committee goes on to recommend "that, to the extent uses of asbestos cannot be eliminated or less toxic materials substituted for asbestos, worker exposure to asbestos must be controlled to the maximum extent possible."

In order to protect workers from such occupational hazards, OSHA has established a permissible exposure limit of 0.1 fibers (longer than 5 micrometers) per cubic centimeter of air (f/cc) with an 8-hour, time-weighted average (TWA) concentration limit. NIOSH also recommended an 8-hour TWA exposure limit of 0.1 f/cc.

4.0) COLLECTION OF DATA AND SURVEY OF FACILITY

All sample collection, analysis, and interpretation was completed in accordance with all federal, state, and local regulations affecting these procedures. AHERA procedures and protocols were followed during the survey of this facility. The sampling and analytical techniques used during the survey are described below:

4.1) SAMPLING PROTOCOL

The buildings and areas included within this contract were accessed and visually inspected for the presence of any ACM. This inspection included all accessible electrical, mechanical and fireproofing systems and the materials thereof.

4.2) SITE INSPECTION

ETC's industrial hygienist, Will Smallman, inspected **Building 700 - Detroit Institute for Children** for ACMs. The site inspection involved three steps: (1) reviewing available information, (2) arranging physical access, and (3) conducting the actual inspection.

Inspection of available information – i.e. blueprints, building specifications, previous asbestos surveys, or floor plans to determine known or likely locations of asbestos. Copies of the floor plans were made in order to mark the sample locations of suspected ACMs. A complete floor plan and diagram is vital prior to beginning a survey to insure that all areas are properly accessed.

If all rooms or spaces were not numbered or identified, ETC's on-site personnel may have assigned numbers to all the spaces within the facility. This is necessary to insure that all areas can be properly identified. *For this reason, all future references to sample locations or location of asbestos materials should be referenced against the maps included within this report. It is likely that the numbers assigned by ETC staff may not correlate with the numbering system (or common names) used within the building at the time of the survey.*

Arrangements for physical access. As necessary, arrangements were made to obtain keys, ladders, and access sites. If possible, time periods of low activity were selected to minimize interference with building users.

Initial inspection. The building was inspected according to a predetermined search scheme and a list of potential sampling sites was prepared. Along with this, pertinent data such as material condition, location, friability, quantity and factors used to determine exposure were gathered. Assessments of all friable and non-friable ACM were made.

Follow-up inspection. ETC then contacted WSU staff and identified areas where destructive access was required to review materials that were not readily accessible. At the follow-up inspection, ETC reviewed these previously inaccessible areas. Additionally, ETC quantified and assessed the condition of materials deemed to be positive for asbestos content during the initial survey.

4.3 SAMPLE SITE SELECTION

Potential sampling sites were selected by their ability to characterize the building's asbestos content and by their estimated exposure potential. Large surfaces with high exposure potential were frequently sampled more than once. This was done to allow for the possibility that the surface, appearing homogeneous, is in fact composed of more than one construction material. A minimum of three samples were taken of each suspect material as required by both the EPA and OSHA regulations. Additionally, for surfacing materials (spray or trowel applied) the simplified sampling scheme described in AHERA was followed.

4.4) SEARCH PATTERN

In an effort to determine a pattern, several steps were taken. The ETC industrial hygienist relied on his own judgment as to whether more than one pipe or duct system supplied the building. When there was more than one system, the boundaries of those systems were inspected for changes in construction material.

In each room that is addressed, hidden locations were surveyed where possible. These included such locations as above suspended ceilings, crawlspaces, attics and basements.

4.5 SAMPLE ACQUISITION

All samples were taken according to the following methodologies:

1. First wetting the surface of the material to prevent the release of fibers during the sampling procedure.
2. Extracting the sample with a corer or other appropriate tool, being careful to collect a representative sample of all layers encountered.

3. Placing the sample in a sealed impermeable container.
4. Labeling the sample container with appropriate information and logging the information into a field notebook.
5. Sealing the surface of the sampled area with duct tape or other appropriate means to prevent the release of fibers as a result of sampling techniques.
6. Delivering the sealed sample to the laboratory for analysis.

In addition to taking samples of the friable materials encountered during the survey, ETC's hygienist also assessed the overall condition, friability, accessibility, types of damage, and factors affecting potential fiber release of each material.

5.0 ANALYSIS PROTOCOL

The samples taken during this survey were analyzed at International Asbestos Testing Laboratories (IATL). This laboratory is located in Mt. Laurel, NJ. All bulk samples were analyzed using Polarized Light Microscopy (PLM). This is the method of choice which was recognized by the Environmental Protection Agency (EPA). PLM serves several functions. Its main purpose is to identify fibrous asbestos in bulk samples. The PLM method is also used to distinguish between the various types of asbestos within the sample.

When a bulk asbestos sample is received, several representative portions of the sample are removed and put into a labeled petri dish. The sample parts are extracted using forceps. These extracted fibers are then placed on a microscopy slide and mounted using a liquid of similar refractive indices.

In accordance with AHERA guidelines, if a sample was comprised of more than one layer of distinct material, each of the materials was separated out and analyzed individually. For this reason, the total number of samples analyzed may exceed the number listed as having been taken.

After mounting, the fibers are identified using Polarized Light Microscopy (PLM), supplemented by dispersion staining. After fiber identification by PLM, an estimation is made as to the percent composition of asbestos. The estimated percentages are based on size, number, shape, density of each of the components, and on comparison to a standard set of samples previously quantitated by the interim Research Triangle Institute (RTI) method.

IATL Laboratories participates in several quality assurance programs, including the EPA Bulk Sample Rounds. Bulk samples are sent to participating laboratories quarterly, for microscopic identification of asbestos content. The results of this Quality Assurance program are available for public review.

IATL Laboratories also participates in the NIOSH-PAT Program for Asbestos Air Analysis. These samples are sent to participating laboratories quarterly as well. The samples are analyzed using Phase Contrast Microscopy and compared to results from other laboratories. All laboratories receive a "Proficient" or "Non-Proficient" rating, and the results are available for public review.

6.0 SURVEY LIMITATIONS AND PROBLEMS

Throughout the course of any asbestos survey, there are a number of problems and limitations that affect the quality of the final report. These limitations may be caused by access concerns, materials with conflicting analytical results, materials that can not be sampled, materials that can not be quantified and/or materials that were not surveyed due to recent renovations or instruction from the client.

6.1 INACCESSIBLE AREAS

There are certain spaces within a building that can not be accessed during the course of a normal survey without demolition activities. Those areas would include, but are not limited to:

- Pipe and pipe joint insulation and other potential ACBM behind and within walls; above and within plaster ceilings; below and within floors - that do not have access either through doors or by the raising of ceiling panels.
- Tunnels which are enclosed, very small or unsafe.
- Boiler Breaching and ducts that are enclosed with steel or other materials without access doors or panels.
- Inaccessible interior boiler insulation or gasket material and stack material.
- Floor tile located underneath carpeting, other floor tile or other materials that can not be destroyed or damaged.
- Materials located at a height not accessible by ladders or other means.
- Areas that can not be accessed due to security or key concerns.

All areas throughout **Building 700 - Detroit Institute for Children** were made accessible for this survey.

6.2 AREAS / MATERIALS NOT SURVEYED (PER AGREEMENT)

The survey for this facility required ETC to survey all accessible areas, however, there were some areas which were excluded due to recent renovation or instructions from the client not to survey these areas. These areas are not included in the hard copy of this report nor are they included within the computer program.

It is important to reiterate that ETC can not be held liable for asbestos containing materials that may be located with these areas as we were specifically instructed not to survey or include these areas within the survey.

There were no areas / materials that were not surveyed in this building.

7.0 DATA COLLECTION FORM DESCRIPTION

The field inspection data collection sheets found in Appendix C contains a wealth of information regarding the materials within this building. Each material is rated not on an overall basis, but is rated and described on a room by room basis. This allows ETC to distinguish areas of the facility where the same type of material may be found in different conditions or present different levels of concern. Every line of data pertains to one material within one room or functional area.

It is important to note that the AHERA regulations do not require materials to be rated on this small a scale. According to AHERA, inspectors can rate entire materials throughout an entire building. However, ETC determined that by rating materials on a room by room basis, it provides the facility manager with much more valuable and accurate information. Using the ETC system, it is possible to get an accurate assessment of the condition of each material within each room.

When reviewing any of these data sheets please refer to the descriptions given below.

- Floor Number

Describes the floor (level) of the building on which the area in question is located.

- Room Area / Number

The room area/number is identified from floor plans that have been provided by Wayne State University. However, it may have been necessary for ETC's personnel to assign numbers for each space within the building. *Regardless, the number listed here should correspond to the number listed on the enclosed maps and sample diagrams.*

- Homogeneous Material

This is a physical description of the material. For instance, 9" x 9" Gray Floor Tile.

- Homogeneous Number

Each type of homogeneous material, within a specific building, is designated by the building number followed by a two digit number. This number should be the same for all data points involving this material.

- Square Feet

This category describes the approximate square foot quantity for each material (excluding materials that would be measured in linear feet such as pipe insulation and joints) on a room by room basis. Quantities will not be given if material does not contain asbestos.

- Linear Feet

This category is for materials (such as pipe insulation and joints) which cannot be expressed in square footage. The linear footage is broken down into 4 separate diameter sizes, so that if there are 36 linear feet of a 3" steam line and 42 linear feet of a 16" steam line in the same room, the different diameters will be noted. There is also a separate line for total linear feet; this indicates the entire quantity of linear footage within the room. (i.e. if you had 36 linear feet of a 3" steam line and 42 linear feet of a 16" steam line in the same room, your total would be 78 linear feet).

- ACM (**A**sbestos **C**ontaining **M**aterial) Status Y/N

This category is an indication of whether the homogeneous material is considered to contain asbestos or not. Yes (Y) or No (N)

- Friability

This category describes the tendency of the material to crumble or pulverize when hand pressure is applied. High friability means the material will crumble easily, while Medium to Low friability means the material will not crumble easily. This line is abbreviated as NF-non-friable, LF-low friability, IF-Intermediate friability, or HF-high friability.

- ACM Condition

This category is an overall rating of the asbestos-material. The condition can be listed as good, fair, or poor. Again, this rating tends to be a fairly subjective rating, but is regulated by the tenets of the AHERA regulations.

- Height of ACM AFF (Above Finished Floor)

This column is an indication of the height of the suspected asbestos containing material. This can range from 0' for floor tile to 20' for pipe insulation. This information is provided as the difference in height can make a large difference in the cost for removal. Please note that some materials such as pipe insulation may have a range of height (i.e.: 0-12 for pipe that runs from the floor to the ceiling in a 12' room).

- Remarks

For information that is specific to this material and location.

8.0 BULK SAMPLE RESULTS FORM DESCRIPTION

The bulk sample results sheets located in Appendix D contain the results of the bulk samples taken during the survey. By reviewing these results, the facility asbestos coordinator (FAC) may verify the actual asbestos content for the materials within this facility.

This information can also be helpful in determining the type and percent of asbestos located within each building material. The type and percentage are important as both affect the likelihood of asbestos becoming airborne. The information regarding asbestos content is also included within the chart located in Appendix A.

This information also provides credentials, certifications and details regarding the laboratory's qualifications.

9.0 SUMMARY AND CONCLUSIONS

All the pertinent information for the asbestos materials within **Building 700 - Detroit Institute for Children** can be found within the appendices of this report. Below is a description of the information available in various appendices.

For information regarding materials existing within **Building 700 - Detroit Institute for Children**, please refer to Appendices A & B. **Appendix A** lists all the materials that were tested and whether they contain asbestos or not. **Appendix B** is a subset of Appendix A listing only those materials that were positive for asbestos content.

For detailed information on each material found within each room, refer to **Appendix C**. All materials found within a room are listed here. Negative materials are listed as being present but do not have quantities nor condition information. Positive materials are bolded and detail the quantity and condition of this material within this room at the time of the inspection.

If it is ever necessary to verify actual asbestos sampling results, they can be found in **Appendix D**. This information is summarized in Appendix A, but if actual sample results are required, they can be found here.

Appendix E are copies of the maps used for this survey. These are particularly important as they detail where asbestos samples were taken and the layout of the rooms when the survey was conducted. If future renovations change that layout of rooms, these maps will provide a ready reference to conditions at the time of the survey.

Appendices F & G contain certification information for the asbestos inspector and laboratory used for this building.

10.0 Signature Page

This report performed by:

A handwritten signature in black ink, appearing to read 'Will Smallman', with a long horizontal flourish extending to the right.

Will Smallman
Industrial Hygienist
State of Michigan Certified Asbestos Building Inspector
State of Michigan Card #: A-40709

APPENDICES

Building 700-Detroit Institute for Children

APPENDIX A

**BUILDING 700-DETROIT INSTITUTE FOR
CHILDREN**

**ALL MATERIALS TESTED LIST
(BOTH POSITIVE AND NEGATIVE)**

Homogenous Materials List for Building 700-Detroit Institute for Children

<i>Homogeneous Material #</i>	<i>Description</i>	<i>Contain Asbestos</i>	<i>Material Type*</i>
1	Floor Tile: 9" x 9", grey	Y	M
2	Mastic: black, for H.M. #1	N	M
3	Insulation: tan/black/white/light tan	Y	T
4	Insulation: blue/tan/pink/light grey/grey	Y	T
5	Insulation: light grey/black/grey/white/tan	Y	T
6	Ceiling Tile: 1' x 1', tan/light grey/white	N	M
7	Mastic: brown	N	M
8	Floor Tile: 9" x 9", tan	N	M
9	Mastic: tan, for H.M. #8	Y	M
10	Ceiling Tile: 2' x 2', off-white/silver/tan	N	M
11	Cove Base: black	N	M
12	Cove Base Mastic: yellow/brown	N	M
13	Ceiling Tile: 1' x 1', white/tan	N	M
14	Mastic: brown	N	M
15	Floor Tile: 9" x 9", white/brown	N	M
16	Mastic: tan	Y	M
17	Cove Base: green	N	M
18	Cove Base Mastic: tan	N	M
19	Linoleum: off-white/tan	Y	M
20	Insulation: white	Y	T
21	Insulation: blue/white/tan/orange/black	Y	T
22	Insulation: light grey/orange/tan/grey/brown	Y	T
23	Insulation: green/black/tan/blue	N	T
24	Insulation: green/light grey/tan/brown/blue	Y	T
25	Plaster: light grey/white	N	S
26	Floor Tile: 9" x 9", tan	Y	M
27	Cove Base: grey	N	M
28	Cove Base: brown	N	M
29	Cove Base Mastic: brown	N	M
30	Carpet Mastic: tan	N	M
31	Drywall: tan/white/off-white	N	M
32	Drywall Tape: off-white	N	M
33	Joint Compound: white	N	S
34	Floor Tile: 12" x 12", white	N	M
35	Mastic: tan/black, for H.M. #34	N	M
36	Floor Tile: 12" x 12", white/green/blue/pink/black	N	M
37	Mastic: tan, for H.M. #36	N	M
38	Duct Insulation: white/tan/light grey	Y	T
39	Cove Base: tan	N	M
40	Roofing Material	N	M
41	Roof Flashing	N	M

* M=Miscellaneous, T=Thermal System, S=Surfacing

APPENDIX B

**BUILDING 700-DETROIT INSTITUTE FOR
CHILDREN**

ASBESTOS CONTAINING MATERIALS LIST

Asbestos Containing Materials List

for Building 700-Detroit Institute for Children

<i>Homogeneous Material #</i>	<i>Description</i>	<i>Material Type*</i>	<i>Total Square Footage</i>	<i>Total Linear Footage</i>
1	Floor Tile: 9" x 9", grey	M	5209	
3	Insulation: tan/black/white/light tan	T		1842
4	Insulation: blue/tan/pink/light grey/grey	T		329
5	Insulation: light grey/black/grey/white/tan	T		700
9	Mastic: tan, for H.M. #8	M	1807	
16	Mastic: tan	M	1265	
19	Linoleum: off-white/tan	M	2850	
20	Insulation: white	T		317
21	Insulation: blue/white/tan/orange/black	T		1240
22	Insulation: light grey/orange/tan/grey/brown	T		237
24	Insulation: green/light grey/tan/brown/blue	T		239
26	Floor Tile: 9" x 9", tan	M		18455
38	Duct Insulation: white/tan/light grey	T		850

* M=Miscellaneous, T=Thermal System, S=Surfacing

APPENDIX C

**BUILDING 700-DETROIT INSTITUTE FOR
CHILDREN**

**DATA COLLECTION SHEETS AND MATERIAL
INFORMATION**

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX - Building Number Sample was collected YYY - Room Number Sample was collected ###A - Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	---	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
001	00100	Ceiling Tile, 1'x1' White, Slashes	700 - 006	0	0	0	0	0	N	NF	FAIR		
001	00100	Glue Pod, Beige	700 - 007	0	0	0	0	0	N	NF	FAIR		
001	00100	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
001	00100	Cove Base, Grey	700-100-27B	0	0	0	0	0	N	NF	FAIR		
001	00100	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
001	00100	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00100	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
001	00100	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
001	00100	Floor Tile, 12"x12" Green/Orange/Blue/Black/White	700-100-36BCD	0	0	0	0	0	N	NF	FAIR		
001	00100	Mastic for 12"x12" Green, Orange, Blue, Black, White Tile	700-100-37BC	0	0	0	0	0	N	NF	FAIR		
001	00100.1	Ceiling Tile, 1'x1' White, Slashes	700 - 006	0	0	0	0	0	N	NF	FAIR		
001	00100.1	Glue Pod, Beige	700 - 007	0	0	0	0	0	N	NF	FAIR		
001	00100.1	Linoleum, Beige Mosaic with Paper Backing	700-100.1-19C	475	0	0	0	0	Y	NF	GOOD	0'	
001	00100.1	Fire Door, White	700 - 020	25	0	0	0	0	Y	NF	GOOD		
001	00100.1	Cove Base	100-100.1-27A	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	---	--

Building Number: 700

Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
001	00100.2	Ceiling Tile, 1'x1' White, Slashes	700-100.2-06B	0	0	0	0	0	N	NF	FAIR		
001	00100.2	Glue Pod, Beige	700 - 007	0	0	0	0	0	N	NF	FAIR		
001	00100.2	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		
001	00100.2	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
001	00100.2	Fire Door, White	700 - 020	25	0	0	0	0	Y	NF	GOOD		
001	00100.2	Floor Tile, 12"x12" Green/Orange/Blue/Black/White	700 - 036	0	0	0	0	0	N	NF	FAIR		
001	00100.2	Mastic for 12"x12" Green, Orange, Blue, Black, White Tile	700 - 037	0	0	0	0	0	N	NF	FAIR		
001	00100.3	Ceiling Tile, 1'x1' White, Slashes	700 - 006	0	0	0	0	0	N	NF	FAIR		
001	00100.3	Glue Pod, Beige	700-100.3-07B	0	0	0	0	0	N	NF	FAIR		
001	00100.3	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		
001	00100.3	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
001	00100.3	Floor Tile, 12"x12" Green/Orange/Blue/Black/White	700 - 036	0	0	0	0	0	N	NF	FAIR		
001	00100.3	Mastic for 12"x12" Green, Orange, Blue, Black, White Tile	700 - 037	0	0	0	0	0	N	NF	FAIR		
001	00100.4	Ceiling Tile, 1'x1' White, Slashes	700 - 006	0	0	0	0	0	N	NF	FAIR		
001	00100.4	Glue Pod, Beige	700 - 007	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location Please refer to Appendix D for exact sample location.</p>
---	--	---

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
001	00100.4	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		
001	00100.4	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
001	00100.4	Floor Tile, 12"x12" Green/Orange/Blue/Black/W hite	700 - 036	0	0	0	0	0	N	NF	FAIR		
001	00100.4	Mastic for 12"x12" Green, Orange, Blue, Black, White Tile	700 - 037	0	0	0	0	0	N	NF	FAIR		
001	00101	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
001	00101	Floor Tile, 12"x12" Green/Orange/Blue/Black/W hite	700 - 036	0	0	0	0	0	N	NF	FAIR		
001	00101	Mastic for 12"x12" Green, Orange, Blue, Black, White Tile	700 - 037	0	0	0	0	0	N	NF	FAIR		
001	00102	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
001	00102	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
001	00102	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00102	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
001	00102	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
001	00102	Floor Tile, 12"x12" Green/Orange/Blue/Black/W hite	700 - 036	0	0	0	0	0	N	NF	FAIR		
001	00102	Mastic for 12"x12" Green, Orange, Blue, Black, White Tile	700 - 037	0	0	0	0	0	N	NF	FAIR		
001	00103	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	---	--

Building Number: 700

Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
001	00103	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
001	00103	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00103	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
001	00103	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
001	00103	Floor Tile, 12"x12" Green/Orange/Blue/Black/White	700 - 036	0	0	0	0	0	N	NF	FAIR		
001	00103	Mastic for 12"x12" Green, Orange, Blue, Black, White Tile	700 - 037	0	0	0	0	0	N	NF	FAIR		
001	00104	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		
001	00104	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
001	00104	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
001	00104	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
001	00104	Plaster, White with Skimcoat	700 - 025	0	0	0	0	0	N	NF	FAIR		
001	00104	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
001	00104	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00104	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
001	00104	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>
<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention</p>	
<p>HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location Please refer to Appendix D for exact sample location.</p>	

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
001	00104	Floor Tile, 12"x12" Green/Orange/Blue/Black/White	700 - 036	0	0	0	0	0	N	NF	FAIR		
001	00104	Mastic for 12"x12" Green, Orange, Blue, Black, White Tile	700 - 037	0	0	0	0	0	N	NF	FAIR		
001	00105	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
001	00105	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		
001	00105	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
001	00105	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
001	00105	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
001	00105	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
001	00105	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00105	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
001	00105	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
001	00105	Floor Tile, 12"x12" White	700 - 034	0	0	0	0	0	N	NF	FAIR		
001	00105	Mastic for 12"x12" White Tile	700 - 035	0	0	0	0	0	N	NF	FAIR		
001	00106	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
001	00106	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location Please refer to Appendix D for exact sample location.</p>
---	--	---

Building Number: 700

Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
001	00106	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
001	00106	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
001	00106	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
001	00106	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
001	00106	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00106	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
001	00106	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
001	00106	Floor Tile, 12"x12" White	700 - 034	0	0	0	0	0	N	NF	FAIR		
001	00106	Mastic for 12"x12" White Tile	700 - 035	0	0	0	0	0	N	NF	FAIR		
001	00107	Floor Tile, 9"x9" Dark Grey, Grey, Black Slashes	700 - 001	30	0	0	0	0	Y	NF	GOOD	0'	
001	00107	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
001	00107	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
001	00107	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		
001	00107	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
001	00107	Plaster, White with Skimcoat	700 - 025	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location Please refer to Appendix D for exact sample location.</p>
---	--	---

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
001	00107	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	30	0	0	0	0	Y	NF	GOOD	0'	
001	00107	Floor Tile, 12"x12" Green/Orange/Blue/Black/White	700 - 036	0	0	0	0	0	N	NF	FAIR		
001	00107	Mastic for 12"x12" Green, Orange, Blue, Black, White Tile	700 - 037	0	0	0	0	0	N	NF	FAIR		
001	00108	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
001	00108	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	100	0	0	0	0	Y	NF	GOOD	0'	
001	00108	Cove Base, Brown	700-108-28C	0	0	0	0	0	N	NF	FAIR		
001	00108	Cove Base Mastic, Brown	700-108-29C	0	0	0	0	0	N	NF	FAIR		
001	00109	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
001	00109	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
001	00109	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
001	00109	Cove Base, Green	700-109-17ABC	0	0	0	0	0	N	NF	FAIR		
001	00109	Cove Base Mastic, Beige	700-109-18ABC	0	0	0	0	0	N	NF	FAIR		
001	00109	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00109	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
001	00109	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	--	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
001	00109	Floor Tile, 12"x12" White	700-109-34A	0	0	0	0	0	N	NF	FAIR		
001	00109	Mastic for 12"x12" White Tile	700-109-35A	0	0	0	0	0	N	NF	FAIR		
001	00110	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
001	00110	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
001	00110	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
001	00110	Cove Base, Green	700 - 017	0	0	0	0	0	N	NF	FAIR		
001	00110	Cove Base Mastic, Beige	700 - 018	0	0	0	0	0	N	NF	FAIR		
001	00110	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00110	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
001	00110	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
001	00110	Floor Tile, 12"x12" White	700 - 034	0	0	0	0	0	N	NF	FAIR		
001	00110	Mastic for 12"x12" White Tile	700 - 035	0	0	0	0	0	N	NF	FAIR		
001	00111	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
001	00111	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
001	00111	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	--	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
001	00111	Cove Base, Green	700 - 017	0	0	0	0	0	N	NF	FAIR		
001	00111	Cove Base Mastic, Beige	700 - 018	0	0	0	0	0	N	NF	FAIR		
001	00111	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00111	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
001	00111	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
001	00111	Floor Tile, 12"x12" White	700 - 034	0	0	0	0	0	N	NF	FAIR		
001	00111	Mastic for 12"x12" White Tile	700 - 035	0	0	0	0	0	N	NF	FAIR		
001	00112	Ceiling Panel, 2'x2' White, Rough Finish	700-112-10A	0	0	0	0	0	N	NF	FAIR		
001	00112	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		
001	00112	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
001	00112	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
001	00112	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
001	00112	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
001	00112	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00112	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563</p> <p>CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND</p> <p>ACM STATUS Y - Yes N - Non ACM</p> <p>FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p> <p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention</p> <p>HOMOGENEOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	---

Building Number: 700

Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
001	00112	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
001	00112	Floor Tile, 12"x12" White	700 - 034	0	0	0	0	0	N	NF	FAIR		
001	00112	Mastic for 12"x12" White Tile	700 - 035	0	0	0	0	0	N	NF	FAIR		
001	00113	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
001	00113	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		
001	00113	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
001	00113	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
001	00113	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
001	00113	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
001	00113	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00113	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
001	00113	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
001	00113	Floor Tile, 12"x12" White	700 - 034	0	0	0	0	0	N	NF	FAIR		
001	00113	Mastic for 12"x12" White Tile	700 - 035	0	0	0	0	0	N	NF	FAIR		
001	00114	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	--	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
001	00114	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
001	00114	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
001	00114	Cove Base, Green	700 - 017	0	0	0	0	0	N	NF	FAIR		
001	00114	Cove Base Mastic, Beige	700 - 018	0	0	0	0	0	N	NF	FAIR		
001	00114	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
001	00114	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00114	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
001	00114	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
001	00114	Floor Tile, 12"x12" White	700 - 034	0	0	0	0	0	N	NF	FAIR		
001	00114	Mastic for 12"x12" White Tile	700 - 035	0	0	0	0	0	N	NF	FAIR		
001	00116	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
001	00116	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		
001	00116	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
001	00116	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
001	00116	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENEOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	---	---

Building Number: 700

Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
001	00116	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
001	00116	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00116	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
001	00116	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
001	00116	Floor Tile, 12"x12" White	700 - 034	0	0	0	0	0	N	NF	FAIR		
001	00116	Mastic for 12"x12" White Tile	700 - 035	0	0	0	0	0	N	NF	FAIR		
001	00117	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
001	00117	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
001	00117	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
001	00117	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
001	00117	Cove Base, Grey	700-117-27C	0	0	0	0	0	N	NF	FAIR		
001	00117	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
001	00117	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00117	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
001	00117	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	---	--

Building Number: 700

Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
001	00117	Floor Tile, 12"x12" White	700 - 034	0	0	0	0	0	N	NF	FAIR		
001	00117	Mastic for 12"x12" White Tile	700 - 035	0	0	0	0	0	N	NF	FAIR		
001	00118	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
001	00118	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		
001	00118	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
001	00118	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
001	00118	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
001	00118	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
001	00118	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00118	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
001	00118	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
001	00118	Floor Tile, 12"x12" White	700 - 034	0	0	0	0	0	N	NF	FAIR		
001	00118	Mastic for 12"x12" White Tile	700 - 035	0	0	0	0	0	N	NF	FAIR		
001	00119	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
001	00119	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	---	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
001	00119	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
001	00119	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
001	00119	Cove Base, Grey	700 - 027	0	0	0	0	0	N	NF	FAIR		
001	00119	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
001	00119	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00119	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
001	00119	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
001	00119	Floor Tile, 12"x12" White	700 - 034	0	0	0	0	0	N	NF	FAIR		
001	00119	Mastic for 12"x12" White Tile	700 - 035	0	0	0	0	0	N	NF	FAIR		
001	00120	Ceiling Panel, 2'x2' White, Rough Finish	700-120-10C	0	0	0	0	0	N	NF	FAIR		
001	00120	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
001	00120	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
001	00120	Cove Base, Green	700 - 017	0	0	0	0	0	N	NF	FAIR		
001	00120	Cove Base Mastic, Beige	700 - 018	0	0	0	0	0	N	NF	FAIR		
001	00120	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENEOUS NUMBER Numbers: XXX-YYY-###A XXX - Building Number Sample was collected YYY - Room Number Sample was collected ###A - Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	---	---

Building Number: 700

Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
001	00120	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00120	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
001	00120	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
001	00120	Floor Tile, 12"x12" White	700 - 034	0	0	0	0	0	N	NF	FAIR		
001	00120	Mastic for 12"x12" White Tile	700 - 035	0	0	0	0	0	N	NF	FAIR		
001	00121	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
001	00121	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
001	00121	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
001	00121	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
001	00121	Cove Base, Green	700 - 017	0	0	0	0	0	N	NF	FAIR		
001	00121	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00121	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
001	00121	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
001	00121	Floor Tile, 12"x12" White	700 - 034	0	0	0	0	0	N	NF	FAIR		
001	00121	Mastic for 12"x12" White Tile	700 - 035	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563</p> <p>CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND</p> <p>ACM STATUS Y - Yes N - Non ACM</p> <p>FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p> <p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention</p> <p>HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location Please refer to Appendix D for exact sample location.</p>
---	---

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
001	00122	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00122	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
001	00122	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
001	00123	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
001	00123	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
001	00123	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
001	00123	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
001	00123	Cove Base, Green	700 - 017	0	0	0	0	0	N	NF	FAIR		
001	00123	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00123	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
001	00123	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
001	00123	Floor Tile, 12"x12" White	700 - 034	0	0	0	0	0	N	NF	FAIR		
001	00123	Mastic for 12"x12" White Tile	700 - 035	0	0	0	0	0	N	NF	FAIR		
001	00124	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00124	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563</p> <p>CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND</p> <p>ACM STATUS Y - Yes N - Non ACM R - Removed</p> <p>FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p> <p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention</p> <p>HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location Please refer to Appendix D for exact sample location.</p>
---	--

Building Number: 700

Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
001	00124	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
001	00125	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
001	00125	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
001	00125	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
001	00125	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
001	00125	Cove Base, Green	700 - 017	0	0	0	0	0	N	NF	FAIR		
001	00125	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00125	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
001	00125	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
001	00125	Floor Tile, 12"x12" White	700 - 034	0	0	0	0	0	N	NF	FAIR		
001	00125	Mastic for 12"x12" White Tile	700 - 035	0	0	0	0	0	N	NF	FAIR		
001	00125	Floor Tile, 12"x12" Green/Orange/Blue/Black/White	700-125-36A	0	0	0	0	0	N	NF	FAIR		
001	00125	Mastic, Beige	700-125-37A	0	0	0	0	0	N	NF	FAIR		
001	00126	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00126	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	--	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
001	00126	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
001	00126	Floor Tile, 12"x12" White	700 - 034	0	0	0	0	0	N	NF	FAIR		
001	00126	Mastic for 12"x12" White Tile	700 - 035	0	0	0	0	0	N	NF	FAIR		
001	00127	Ceiling Panel, 2'x2' White, Rough Finish	700-127-10B	0	0	0	0	0	N	NF	FAIR		
001	00127	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
001	00127	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
001	00127	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
001	00127	Cove Base, Green	700 - 017	0	0	0	0	0	N	NF	FAIR		
001	00127	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00127	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
001	00127	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
001	00127	Floor Tile, 12"x12" White	700 - 034	0	0	0	0	0	N	NF	FAIR		
001	00127	Mastic for 12"x12" White Tile	700 - 035	0	0	0	0	0	N	NF	FAIR		
001	00128	Ceiling Tile, 1'x1' White, Slashes	700 - 006	0	0	0	0	0	N	NF	FAIR		
001	00128	Glue Pod, Beige	700 - 007	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>
<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention</p>	
<p>HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location Please refer to Appendix D for exact sample location.</p>	

Building Number: 700

Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
001	00128	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
001	00128	Linoleum, Beige Mosaic with Paper Backing	700-128-19A	150	0	0	0	0	Y	NF	GOOD	0'	
001	00128	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
001	00128	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		
001	00128	Drywall, White	700-128-31B	0	0	0	0	0	N	NF	FAIR		
001	00128	Drywall Tape, White	700-128-32B	0	0	0	0	0	N	NF	FAIR		
001	00128	Joint Compound, White	700-128-33B	0	0	0	0	0	N	NF	FAIR		
001	00128	Floor Tile, 12"x12" Green/Orange/Blue/Black/White	700-128-36E	0	0	0	0	0	N	NF	FAIR		
001	00128	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
001	00129	Linoleum, Beige Mosaic with Paper Backing	700 - 019	75	0	0	0	0	Y	NF	GOOD	0'	
001	00129	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
001	00129	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		
001	00129	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00129	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
001	00129	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	--	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
001	00130	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
001	00130	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
001	00130	Linoleum, Beige Mosaic with Paper Backing	700 - 019	150	0	0	0	0	Y	NF	GOOD	0'	
001	00130	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
001	00130	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		
001	00131	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
001	00131	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		
001	00131	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
001	00131	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
001	00131	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
001	00131	Linoleum, Beige Mosaic with Paper Backing	700 - 019	750	0	0	0	0	Y	NF	GOOD	0'	
001	00131	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00131	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
001	00131	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
001	00132	Plaster, White with Skimcoat	700 - 025	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	--	--

Building Number: 700

Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
001	00133	Floor Tile, 9"x9" Dark Grey, Grey, Black Slashes	700 - 001	50	0	0	0	0	Y	NF	GOOD	0'	
001	00133	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
001	00133	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		
001	00133	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
001	00133	Linoleum, Beige Mosaic with Paper Backing	700-133-19B	50	0	0	0	0	Y	NF	GOOD	0'	
001	00133	Fire Door, White	700 - 020	25	0	0	0	0	Y	NF	GOOD		
001	00133	Plaster, White with Skimcoat	700 - 025	0	0	0	0	0	N	NF	FAIR		
001	00134	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
001	00134	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
001	00134	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
001	00134	Linoleum, Beige Mosaic with Paper Backing	700 - 019	1200	0	0	0	0	Y	NF	GOOD	0'	
001	00134	Cove Base, Grey	700 - 027	0	0	0	0	0	N	NF	FAIR		
001	00134	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
001	00134	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
001	00134	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>
<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention</p> <p>HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX - Building Number Sample was collected YYY - Room Number Sample was collected ###A - Homogenous Material Sample Number and location Please refer to Appendix D for exact sample location.</p>	

Building Number: 700

Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
001	00134	Floor Tile, 12"x12" Green/Orange/Blue/Black/White	700 - 036	0	0	0	0	0	N	NF	FAIR		
001	00134	Mastic for 12"x12" Green, Orange, Blue, Black, White Tile	700 - 037	0	0	0	0	0	N	NF	FAIR		
002	00200	Ceiling Tile, 1'x1' White, Slashes	700 - 006	0	0	0	0	0	N	NF	FAIR		
002	00200	Glue Pod, Beige	700-200-14A	0	0	0	0	0	N	NF	FAIR		
002	00200	Floor Tile, 9"x9" Tan with Black Spots	700-200-08C	0	0	0	0	0	N	NF	FAIR		
002	00200	Mastic for 9"x9" Tan Tile	700-200-09C	360	0	0	0	0	Y	NF	GOOD	0'	
002	00200	Ceiling Tile, 1'x1' White, Holes	700-200-13A	0	0	0	0	0	N	NF	FAIR		
002	00200	Mastic for 9"x9" White with Brown Specks Tile	700 - 016	715	0	0	0	0	Y	NF	GOOD	8'	
002	00200	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	715	0	0	0	0	Y	NF	GOOD	0'	
002	00200	Cove Base, Brown	700-200-28B	0	0	0	0	0	N	NF	FAIR		
002	00200	Cove Base Mastic, Brown	700-200-29B	0	0	0	0	0	N	NF	FAIR		
002	00200.1	Floor Tile, 9"x9" Tan with Black Spots	700-200.1-08B	0	0	0	0	0	N	NF	FAIR		
002	00200.1	Mastic for 9"x9" Tan Tile	700-200.1-09B	550	0	0	0	0	Y	NF	GOOD	0'	
002	00200.1	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00200.1	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location Please refer to Appendix D for exact sample location.</p>
---	--	---

Building Number: 700

Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
002	00200.1	Fire Door, White	700 - 020	24	0	0	0	0	Y	NF	GOOD	6'	
002	00200.1	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
002	00200.1	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		
002	00200.1	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
002	00200.1	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
002	00200.1	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
002	00200.2	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00200.2	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00200.2	Fire Door, White	700 - 020	24	0	0	0	0	Y	NF	GOOD	0'-6'	
002	00200.2	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	450	0	0	0	0	Y	NF	GOOD	0'	
002	00200.2	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
002	00200.2	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		
002	00200.3	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00200.3	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00200.3	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	300	0	0	0	0	Y	NF	GOOD	0'	

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	--	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
002	00200.3	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
002	00200.3	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		
002	00200.4	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00200.4	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00200.4	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	450	0	0	0	0	Y	NF	GOOD	0'	
002	00200.4	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
002	00200.4	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		
002	00201	Pipe Insulation, 6"	700 - 021	0	0	70	0	0	Y	IF	GOOD	9'	In Ceiling Pipe Chase
002	00201	Pipe Joint Insulation, 6"	700 - 022	0	0	6	0	0	Y	IF	GOOD	9'	In Ceiling Pipe Chase
002	00201	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	1900	0	0	0	0	Y	NF	GOOD	0'	
002	00201	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
002	00201	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		
002	00201	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
002	00201	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
002	00201	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	---	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
002	00202	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00202	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00202	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	300	0	0	0	0	Y	NF	GOOD	0'	
002	00202	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
002	00202	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		
002	00202	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
002	00203	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00203	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00203	Floor Tile, 9"x9" White with Brown Specks	700 - 015	0	0	0	0	0	N	NF	FAIR		
002	00203	Mastic for 9"x9" White with Brown Specks Tile	700 - 016	350	0	0	0	0	Y	NF	GOOD	0'	
002	00203	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
002	00203	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		
002	00205	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	100	0	0	0	0	Y	NF	GOOD	0'	
002	00205	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
002	00205	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location Please refer to Appendix D for exact sample location.</p>
---	--	---

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
002	00206	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00206	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00206	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	400	0	0	0	0	Y	NF	GOOD	0'	
002	00206	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
002	00206	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		
002	00207	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00207	Ceiling Tile, 1'x1' White, Slashes	700 - 006	0	0	0	0	0	N	NF	FAIR		
002	00207	Glue Pod, Beige	700 - 007	0	0	0	0	0	N	NF	FAIR		
002	00207	Plaster, White with Skimcoat	700 - 025	0	0	0	0	0	N	NF	FAIR		
002	00207	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	350	0	0	0	0	Y	NF	GOOD	0'	
002	00207	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
002	00208	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00208	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
002	00208	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00208	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENEOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	---	---

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
002	00208	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	150	0	0	0	0	Y	NF	GOOD	0'	
002	00208	Cove Base, Grey	700 - 027	0	0	0	0	0	N	NF	FAIR		
002	00208	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
002	00209	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00209	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
002	00209	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00209	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00209	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	150	0	0	0	0	Y	NF	GOOD	0'	
002	00209	Cove Base, Grey	700 - 027	0	0	0	0	0	N	NF	FAIR		
002	00209	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
002	00210	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00210	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
002	00210	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00210	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00210	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	325	0	0	0	0	Y	NF	GOOD	0'	

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	---	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
002	00210	Cove Base, Grey	700 - 027	0	0	0	0	0	N	NF	FAIR		
002	00210	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
002	00211	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00211	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		
002	00211	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
002	00211	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00211	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00211	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	325	0	0	0	0	Y	NF	GOOD	0'	
002	00211	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
002	00212	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00212	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
002	00212	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
002	00212	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00212	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00212	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	325	0	0	0	0	Y	NF	GOOD	0'	

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>
<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention</p>	
<p>HOMOGENEOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>	

Building Number: 700

Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
002	00212	Cove Base, Grey	700 - 027	0	0	0	0	0	N	NF	FAIR		
002	00212	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
002	00213	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00213	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00213	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00213	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	100	0	0	0	0	Y	NF	GOOD	0'	
002	00213	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
002	00213	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		
002	00214	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00214	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00214	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00214	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	100	0	0	0	0	Y	NF	GOOD	0'	
002	00214	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
002	00214	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		
002	00215	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX - Building Number Sample was collected YYY - Room Number Sample was collected ###A - Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	---	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
002	00215	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
002	00215	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00215	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00215	Floor Tile, 9"x9" Beige, Brown Slashes	700-215-26B	100	0	0	0	0	Y	NF	GOOD	0'	
002	00215	Cove Base, Brown	700-215-28A	0	0	0	0	0	N	NF	FAIR		
002	00215	Cove Base Mastic, Brown	700-215-29A	0	0	0	0	0	N	NF	FAIR		
002	00215	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
002	00215	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
002	00215	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
002	00216	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00216	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00216	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00216	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	100	0	0	0	0	Y	NF	GOOD	0'	
002	00216	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
002	00216	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location Please refer to Appendix D for exact sample location.</p>
---	--	---

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
002	00216	Carpet Glue, Beige	700-216-30A	0	0	0	0	0	N	NF	FAIR		
002	00217	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00217	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
002	00217	Cove Base, Black	700-217-11A	0	0	0	0	0	N	NF	FAIR		
002	00217	Cove Base Mastic, Beige	700-217-12A	0	0	0	0	0	N	NF	FAIR		
002	00217	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	100	0	0	0	0	Y	NF	GOOD	0'	Under 12"x12" Floor Tile
002	00217	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
002	00217	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
002	00217	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
002	00217	Floor Tile, 12"x12" White	700 - 034	0	0	0	0	0	N	NF	FAIR		
002	00217	Mastic for 12"x12" White Tile	700 - 035	0	0	0	0	0	N	NF	FAIR		
002	00217.1	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00217.1	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00217.1	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00217.1	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	100	0	0	0	0	Y	NF	GOOD	0'	

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	--	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
002	00217.1	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
002	00217.1	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		
002	00217.1	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
002	00217.1	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
002	00217.1	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
002	00217.2	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00217.2	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
002	00217.2	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		
002	00217.2	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
002	00217.2	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	109	0	0	0	0	Y	NF	GOOD	0'	
002	00217.2	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
002	00217.2	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
002	00217.2	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
002	00217.2	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
002	00217.2	Floor Tile, 12"x12" White	700 - 034	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>
<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention</p>	<p>HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX - Building Number Sample was collected YYY - Room Number Sample was collected ###A - Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
002	00217.2	Mastic for 12"x12" White Tile	700 - 035	0	0	0	0	0	N	NF	FAIR		
002	00217.3	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00217.3	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
002	00217.3	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		
002	00217.3	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
002	00217.3	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	109	0	0	0	0	Y	NF	GOOD	0'	
002	00217.3	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
002	00217.3	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
002	00217.3	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
002	00217.3	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
002	00217.3	Floor Tile, 12"x12" White	700 - 034	0	0	0	0	0	N	NF	FAIR		
002	00217.3	Mastic for 12"x12" White Tile	700 - 035	0	0	0	0	0	N	NF	FAIR		
002	00217.4	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00217.4	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
002	00217.4	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563</p> <p>CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND</p> <p>ACM STATUS Y - Yes N - Non ACM R - Removed</p> <p>FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p> <p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention</p> <p>HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	---

Building Number: 700

Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
002	00217.4	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
002	00217.4	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	109	0	0	0	0	Y	NF	GOOD	0'	
002	00217.4	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
002	00217.4	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
002	00217.4	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
002	00217.4	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
002	00217.4	Floor Tile, 12"x12" White	700-217.4-34C	0	0	0	0	0	N	NF	FAIR		
002	00217.4	Mastic for 12"x12" White Tile	700-217.4-35C	0	0	0	0	0	N	NF	FAIR		
002	00217.5	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00217.5	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
002	00217.5	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		
002	00217.5	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
002	00217.5	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	109	0	0	0	0	Y	NF	GOOD	0'	
002	00217.5	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
002	00217.5	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	--	--

Building Number: 700

Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
002	00217.5	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
002	00217.5	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
002	00217.5	Floor Tile, 12"x12" White	700 - 034	0	0	0	0	0	N	NF	FAIR		
002	00217.5	Mastic for 12"x12" White Tile	700 - 035	0	0	0	0	0	N	NF	FAIR		
002	00218	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
002	00218	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		
002	00218	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
002	00218	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
002	00218	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
002	00218	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
002	00218	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
002	00219	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00219	Ceiling Tile, 1'x1' White, Slashes	700-219-06C	0	0	0	0	0	N	NF	FAIR		
002	00219	Glue Pod, Beige	700-219-07C	0	0	0	0	0	N	NF	FAIR		
002	00219	Cove Base, Green	700 - 017	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location Please refer to Appendix D for exact sample location.</p>
---	--	---

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
002	00219	Plaster, White with Skimcoat	700-219-25B	0	0	0	0	0	N	NF	FAIR		
002	00219	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	450	0	0	0	0	Y	NF	GOOD	0'	
002	00219	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
002	00219	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		
002	00219	Carpet Glue, Beige	700-219-30B	0	0	0	0	0	N	NF	FAIR		
002	00219	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
002	00219	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
002	00219	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
002	00220	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		
002	00220	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
002	00220	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00220	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00220	Plaster, White with Skimcoat	700 - 025	0	0	0	0	0	N	NF	FAIR		
002	00220	Floor Tile, 12"x12" White	700-220-34B	0	0	0	0	0	N	NF	FAIR		
002	00220	Mastic for 12"x12" White Tile	700-220-35B	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX - Building Number Sample was collected YYY - Room Number Sample was collected ###A - Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	---	--

Building Number: 700

Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
002	00220.1	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00220.1	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		
002	00220.1	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
002	00220.1	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00220.1	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00220.1	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	109	0	0	0	0	Y	NF	GOOD	0'	
002	00221	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00221	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00221	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00221	Floor Tile, 9"x9" Beige, Brown Slashes	700-221-26C	250	0	0	0	0	Y	NF	GOOD	0'	
002	00222	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
002	00222	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
002	00222	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
002	00223	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
002	00223	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX - Building Number Sample was collected YYY - Room Number Sample was collected ###A - Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	--	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
002	00223	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
002	00223.1	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
002	00223.1	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
002	00223.1	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
002	00223.1	Pipe Insulation	700-223.1-03C	0	25	0	0	0	Y	IF	GOOD	8'	
002	00223.1	Pipe Joint Insulation	700-223.1-04C	0	6	0	0	0	Y	IF	GOOD	8'	
002	00224	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00224	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00224	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00224	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	100	0	0	0	0	Y	NF	GOOD	0'	
002	00224	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
002	00224	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		
002	00225	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00225	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00225	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>
<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention</p> <p>HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>	

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
002	00225	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	100	0	0	0	0	Y	NF	GOOD	0'	
002	00225	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
002	00225	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		
002	00226	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00226	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00226	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00226	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	100	0	0	0	0	Y	NF	GOOD	0'	
002	00226	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
002	00226	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		
002	00227	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00227	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00227	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00227	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	125	0	0	0	0	Y	NF	GOOD	0'	
002	00227	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
002	00227	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	---	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
002	00228	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00228	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00228	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00228	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	100	0	0	0	0	Y	NF	GOOD	0'	
002	00228	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
002	00228	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		
002	00229	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00229	Cove Base, Black	700-229-11B	0	0	0	0	0	N	NF	FAIR		
002	00229	Cove Base Mastic, Beige	700-22-12B	0	0	0	0	0	N	NF	FAIR		
002	00229	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00229	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00229	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	100	0	0	0	0	Y	NF	GOOD	0'	
002	00229	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
002	00230	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00230	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	---	--

Building Number: 700

Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
002	00230	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00230	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	125	0	0	0	0	Y	NF	GOOD	0'	
002	00230	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
002	00230	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		
002	00231	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
002	00231	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
002	00231	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
002	00231	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
002	00231	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
002	00231	Floor Tile, 12"x12" Green/Orange/Blue/Black/White	700 - 036	0	0	0	0	0	N	NF	FAIR		
002	00231	Mastic for 12"x12" Green, Orange, Blue, Black, White Tile	700 - 037	0	0	0	0	0	N	NF	FAIR		
002	00231	Cove Base, Beige	700 - 039	0	0	0	0	0	N	NF	FAIR		
002	00231.1	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
002	00231.1	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
002	00231.1	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location Please refer to Appendix D for exact sample location.</p>
---	--	---

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
002	00231.1	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
002	00231.1	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
002	00231.1	Floor Tile, 12"x12" Green/Orange/Blue/Black/White	700 - 036	0	0	0	0	0	N	NF	FAIR		
002	00231.1	Mastic for 12"x12" Green, Orange, Blue, Black, White Tile	700 - 037	0	0	0	0	0	N	NF	FAIR		
002	00231.1	Cove Base, Beige	700-231.1-39C	0	0	0	0	0	N	NF	FAIR		
002	00231.2	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
002	00231.2	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
002	00231.2	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
002	00231.2	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
002	00231.2	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
002	00231.2	Floor Tile, 12"x12" Green/Orange/Blue/Black/White	700 - 036	0	0	0	0	0	N	NF	FAIR		
002	00231.2	Mastic for 12"x12" Green, Orange, Blue, Black, White Tile	700 - 037	0	0	0	0	0	N	NF	FAIR		
002	00231.2	Cove Base, Beige	700 - 039	0	0	0	0	0	N	NF	FAIR		
002	00231.3	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
002	00231.3	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	---	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
002	00231.3	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
002	00231.3	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
002	00231.3	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
002	00231.3	Floor Tile, 12"x12" Green/Orange/Blue/Black/White	700 - 036	0	0	0	0	0	N	NF	FAIR		
002	00231.3	Mastic for 12"x12" Green, Orange, Blue, Black, White Tile	700 - 037	0	0	0	0	0	N	NF	FAIR		
002	00231.3	Cove Base, Beige	700-231.3-39A	0	0	0	0	0	N	NF	FAIR		
002	00231.4	Ceiling Panel, 2'x2' White, Rough Finish	700- 010	0	0	0	0	0	N	NF	FAIR		
002	00231.4	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
002	00231.4	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
002	00231.4	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
002	00231.4	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
002	00231.4	Floor Tile, 12"x12" Green/Orange/Blue/Black/White	700 - 036	0	0	0	0	0	N	NF	FAIR		
002	00231.4	Mastic for 12"x12" Green, Orange, Blue, Black, White Tile	700 - 037	0	0	0	0	0	N	NF	FAIR		
002	00231.4	Cove Base, Beige	700-231.4-39B	0	0	0	0	0	N	NF	FAIR		
002	00232	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	--	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
002	00232	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
002	00232	Ceiling Tile, 1'x1' White, Holes	700-232-13B	0	0	0	0	0	N	NF	FAIR		
002	00232	Glue Pod, Brown	700-232-14B	0	0	0	0	0	N	NF	FAIR		
002	00232	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
002	00232	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
002	00232	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
002	00232	Floor Tile, 12"x12" Green/Orange/Blue/Black/White	700 - 036	0	0	0	0	0	N	NF	FAIR		
002	00232	Mastic for 12"x12" Green, Orange, Blue, Black, White Tile	700 - 037	0	0	0	0	0	N	NF	FAIR		
002	00232	Cove Base, Beige	700 - 039	0	0	0	0	0	N	NF	FAIR		
002	00232.1	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
002	00232.1	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
002	00232.1	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
002	00233	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
002	00233	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
002	00233	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location Please refer to Appendix D for exact sample location.</p>
---	--	---

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
002	00234	Ceiling Tile, 1'x1' White, Slashes	700-234-06A	0	0	0	0	0	N	NF	FAIR		
002	00234	Glue Pod, Beige	700-234-07A	0	0	0	0	0	N	NF	FAIR		
002	00234	Floor Tile, 9"x9" Tan with Black Spots	700-234-08A	0	0	0	0	0	N	NF	FAIR		
002	00234	Mastic for 9"x9" Tan Tile	700-234-09A	897	0	0	0	0	Y	NF	GOOD	0'	
002	00234	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
002	00234	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
002	00234	Plaster, White with Skimcoat	700-234.5-25C	0	0	0	0	0	N	NF	FAIR		
002	00234	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
002	00234	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
002	00234	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
002	00234	Cove Base, Beige	700 - 039	0	0	0	0	0	N	NF	FAIR		
002	00234.1	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00234.1	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00234.1	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00234.1	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	100	0	0	0	0	Y	NF	GOOD	0'	

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563</p> <p>CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND</p> <p>ACM STATUS Y - Yes N - Non ACM R - Removed</p> <p>FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p> <p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention</p> <p>HOMOGENEOUS NUMBER Numbers: XXX-YYY-###A XXX - Building Number Sample was collected YYY - Room Number Sample was collected ###A - Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	--

Building Number: 700

Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
002	00234.1	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
002	00234.1	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		
002	00234.2	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
002	00234.2	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00234.2	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00234.2	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	100	0	0	0	0	Y	NF	GOOD	0'	
002	00234.2	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
002	00234.2	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		
002	00234.4	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
002	00234.4	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
002	00234.4	Floor Tile, 9"x9" White with Brown Specks	700-234.4-ABC	0	0	0	0	0	N	NF	FAIR		
002	00234.4	Mastic for 9"x9" White with Brown Specks Tile	700-234.4-16ABC	200	0	0	0	0	Y	NF	GOOD	0'	
002	00234.4	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
002	00234.4	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		
002	00234.5	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	--	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
002	00234.5	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
002	00234.5	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
002	00234.5	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
002	00234.5	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
002	00234.5	Floor Tile, 12"x12" White	700 - 034	0	0	0	0	0	N	NF	FAIR		
002	00234.5	Mastic for 12"x12" White Tile	700 - 035	0	0	0	0	0	N	NF	FAIR		
002	00234.5	Cove Base, Beige	700 - 039	0	0	0	0	0	N	NF	FAIR		
002	00234.6	Drywall, White	700-234.6-31C	0	0	0	0	0	N	NF	FAIR		
002	00234.6	Drywall Tape, White	700-234.6-32C	0	0	0	0	0	N	NF	FAIR		
002	00234.6	Joint Compound, White	700-234.6-33C	0	0	0	0	0	N	NF	FAIR		
Basement	00000	Floor Tile, 9"x9" Dark Grey, Grey, Black Slashes	700 - 001	550	0	0	0	0	Y	NF	GOOD	0'	
Basement	00000	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
Basement	00000	Pipe Insulation, 3"	700 - 003	0	350	0	0	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00000	Pipe Joint Insulation, 3"	700 - 004	0	55	0	0	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00000	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX - Building Number Sample was collected YYY - Room Number Sample was collected ###A - Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	--	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
Basement	00000	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
Basement	00000	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
Basement	00000	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
Basement	00000	Pipe Insulation, 6"	700 - 021	0	0	150	0	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00000	Pipe Joint Insulation, 6"	700 - 022	0	0	35	0	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00000	Pipe Insulation, >6"	700 - 023	0	0	0	0	0	N	HF	FAIR		Above Ceiling Tile
Basement	00000	Pipe Joint Insulation, >6"	700 - 024	0	0	0	40	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00000	Floor Tile, 9"x9" Beige, Brown Slashes	700-000-26A	7500	0	0	0	0	Y	NF	GOOD	0'	
Basement	00000.1	Floor Tile, 9"x9" Dark Grey, Grey, Black Slashes	700-000.1-01C	425	0	0	0	0	Y	NF	GOOD	0'	
Basement	00000.1	Mastic for 9"x9" Tile	700-000.1-02C	0	0	0	0	0	N	NF	FAIR		
Basement	00000.1	Pipe Insulation, 3"	700 - 003	0	300	0	0	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00000.1	Pipe Joint Insulation, 3"	700-000.1-04B	0	50	0	0	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00000.1	Cove Base, Black	700-000.1-11C	0	0	0	0	0	N	NF	FAIR		
Basement	00000.1	Cove Base Mastic, Beige	700-000.1-12C	0	0	0	0	0	N	NF	FAIR		
Basement	00000.1	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563</p> <p>CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND</p> <p>ACM STATUS Y - Yes N - Non ACM R - Removed</p> <p>FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p> <p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention</p> <p>HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX - Building Number Sample was collected YYY - Room Number Sample was collected ###A - Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	---

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
Basement	00000.1	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
Basement	00000.1	Fire Door, White	700 - 020	25	0	0	0	0	Y	NF	GOOD		
Basement	00000.1	Pipe Insulation, 6"	700-000.1-21B	0	0	80	0	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00000.1	Pipe Joint Insulation, 6"	700-000.1-22B	0	0	20	0	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00000.1	Pipe Insulation, >6"	700 - 023	0	0	0	0	0	N	HF	FAIR		Above Ceiling Tile
Basement	00000.1	Pipe Joint Insulation, >6"	700 - 024	0	0	0	20	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00000.1	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
Basement	00000.2	Floor Tile, 9"x9" Dark Grey, Grey, Black Slashes	700 - 001	600	0	0	0	0	Y	NF	GOOD	0'	
Basement	00000.2	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
Basement	00000.2	Pipe Insulation, 3"	700 - 003	0	110	0	0	0	Y	HF	FAIR	9'	
Basement	00000.2	Pipe Joint Insulation, 3"	700 - 004	0	20	0	0	0	Y	HF	FAIR	9'	
Basement	00000.2	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		
Basement	00000.2	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
Basement	00000.2	Fire Door, White	700 - 020	100	0	0	0	0	Y	NF	GOOD		
Basement	00000.2	Pipe Insulation, 6"	700 - 021	0	0	60	0	0	Y	HF	FAIR	9'	

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	--	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
Basement	00000.2	Pipe Joint Insulation, 6"	700 - 022	0	0	10	0	0	Y	HF	FAIR	9'	
Basement	00000.2	Pipe Insulation, >6"	700-000.2-23A	0	0	0	0	0	N	NF	FAIR		
Basement	00000.2	Pipe Joint Insulation, >6"	700-000.2-24A	0	0	0	5	0	Y	HF	FAIR	9'	
Basement	00000.2	Duct Insulation, Beige	700-000.2-38C	275	0	0	0	0	Y	HF	FAIR	10'	
Basement	00000.3	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
Basement	00000.3	Pipe Insulation, 3"	700 - 003	0	30	0	0	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00000.3	Pipe Joint Insulation, 3"	700 - 004	0	10	0	0	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00000.3	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
Basement	00000.3	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
Basement	00000.3	Pipe Insulation, 6"	700 - 021	0	0	20	0	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00000.3	Pipe Joint Insulation, 6"	700 - 022	0	0	6	0	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00000.3	Pipe Insulation, >6"	700 - 023	0	0	0	0	0	N	HF	FAIR		Above Ceiling Tile
Basement	00000.3	Pipe Joint Insulation, >6"	700 - 024	0	0	0	10	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00000.3	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	200	0	0	0	0	Y	NF	FAIR		
Basement	00000.3	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX - Building Number Sample was collected YYY - Room Number Sample was collected ###A - Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	--	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
Basement	00001	Pipe Insulation, >6"	700 - 023	0	0	0	0	0	N	NF	FAIR		
Basement	00001	Pipe Joint Insulation, >6"	700 - 024	0	0	0	6	0	Y	HF	FAIR	0'-10'	
Basement	00003	Pipe Insulation, 3"	700 - 003	0	60	0	0	0	Y	HF	FAIR	9'	Above Ceiling Panels
Basement	00003	Pipe Joint Insulation, 3"	700 - 004	0	5	0	0	0	Y	HF	FAIR	9'	Above Ceiling Panels
Basement	00003	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
Basement	00003	Pipe Insulation, 6"	700 - 021	0	0	30	0	0	Y	HF	FAIR	9'	Above Ceiling Panels
Basement	00003	Pipe Joint Insulation, 6"	700 - 022	0	0	5	0	0	Y	HF	FAIR	9'	Above Ceiling Panels
Basement	00003	Floor Tile, 12"x12" White	700 - 034	0	0	0	0	0	N	NF	FAIR		
Basement	00003	Mastic for 12"x12" White Tile	700 - 035	0	0	0	0	0	N	NF	FAIR		
Basement	00003.1	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
Basement	00003.1	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
Basement	00003.1	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
Basement	00003.1	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	40	0	0	0	0	Y	NF	GOOD	0'	
Basement	00004	Pipe Insulation, 3"	700 - 003	0	15	0	0	0	Y	HF	FAIR	8'	
Basement	00004	Pipe Joint Insulation, 3"	700 - 004	0	1	0	0	0	Y	HF	FAIR	8'	

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	--	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
Basement	00005	Floor Tile, 9"x9" Dark Grey, Grey, Black Slashes	700-005-01B	325	0	0	0	0	Y	NF	GOOD	0'	
Basement	00005	Mastic for 9"x9" Tile	700-005-02B	0	0	0	0	0	N	NF	FAIR		
Basement	00005	Pipe Insulation, 3"	700-005-03A	0	60	0	0	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00005	Pipe Joint Insulation, 3"	700-005-04A	0	25	0	0	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00005	Ceiling Tile, 1'x1' White, Holes	700-005-13C	0	0	0	0	0	N	NF	FAIR		
Basement	00005	Glue Pod, Brown	700-005-14C	0	0	0	0	0	N	NF	FAIR		
Basement	00005	Pipe Insulation, 6"	700-005-21A	0	0	20	0	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00005	Pipe Joint Insulation, 6"	700-005-22A	0	0	40	0	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00005	Pipe Insulation, >6"	700 - 023	0	0	0	0	0	N	HF	FAIR	9'	Above Ceiling Tile
Basement	00005	Pipe Joint Insulation, >6"	700 - 024	0	0	0	8	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00005	Plaster, White with Skimcoat	700-005-25A	0	0	0	0	0	N	NF	FAIR		
Basement	00005	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
Basement	00005	Duct Insulation, Beige	700-005-38A	250	0	0	0	0	Y	IF	GOOD	9'	
Basement	00005	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		
Basement	00006	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX - Building Number Sample was collected YYY - Room Number Sample was collected ###A - Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	--	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
Basement	00006	Pipe Insulation, 3"	700 - 003	0	300	0	0	0	Y	HF	FAIR	9'	Above Ceiling Panel
Basement	00006	Pipe Joint Insulation, 3"	700 - 004	0	15	0	0	0	Y	HF	FAIR	9'	Above Ceiling Panel
Basement	00006	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
Basement	00006	Fire Door, White	700-006-20A	22	0	0	0	0	Y	LF	GOOD	0'-7'	
Basement	00006	Pipe Insulation, 6"	700-006-21C	0	0	75	0	0	Y	HF	FAIR	9'	Above Ceiling Panel
Basement	00006	Pipe Joint Insulation, 6"	700-006-22C	0	0	7	0	0	Y	HF	FAIR	9'	Above Ceiling Panel
Basement	00006	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	1175	0	0	0	0	Y	NF	GOOD	0'	
Basement	00006	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR		
Basement	00006	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR		
Basement	00006	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
Basement	00006	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
Basement	00006	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
Basement	00007	Floor Tile, 9"x9" Dark Grey, Grey, Black Slashes	700 - 001	115	0	0	0	0	Y	NF	GOOD	0'	Under Carpet
Basement	00007	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
Basement	00007	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	---	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
Basement	00007	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
Basement	00007	Plaster, White with Skimcoat	700 - 025	0	0	0	0	0	N	NF	FAIR		
Basement	00007	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
Basement	00007	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
Basement	00007	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
Basement	00007	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
Basement	00008	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
Basement	00008	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
Basement	00008	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
Basement	00008	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	175	0	0	0	0	Y	NF	FAIR	0'	Under Carpet
Basement	00008	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
Basement	00009	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
Basement	00009	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
Basement	00009	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
Basement	00009	Cove Base Mastic, Beige	700 - 018	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563</p> <p>CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND</p> <p>ACM STATUS Y - Yes N - Non ACM R - Removed</p> <p>FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p> <p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention</p> <p>HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location Please refer to Appendix D for exact sample location.</p>
---	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
Basement	00009	Plaster, White with Skimcoat	700 - 025	0	0	0	0	0	N	NF	FAIR		
Basement	00009	Floor Tile, 9"x9" Beige, Brown Slashes	700 - 026	400	0	0	0	0	Y	NF	GOOD	0'	
Basement	00009	Carpet Glue, Beige	700-009-30C	0	0	0	0	0	N	NF	FAIR		
Basement	00009	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
Basement	00009	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
Basement	00009	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
Basement	00009	Cove Base, Beige	700 - 039	0	0	0	0	0	N	NF	FAIR		
Basement	00010	Pipe Insulation, 3"	700 - 003	0	10	0	0	0	Y	HF	GOOD	9'	Above Ceiling Panels
Basement	00010	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
Basement	00010	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
Basement	00010	Drywall Tape, White	700 - 032	0	0	0	0	0	N	NF	FAIR		
Basement	00010	Joint Compound, White	700 - 033	0	0	0	0	0	N	NF	FAIR		
Basement	00010	Floor Tile, 12"x12" White	700 - 034	0	0	0	0	0	N	NF	FAIR		
Basement	00010	Mastic for 12"x12" White Tile	700 - 035	0	0	0	0	0	N	NF	FAIR		
Basement	00011	Floor Tile, 9"x9" Dark Grey, Grey, Black Slashes	700 - 001	200	0	0	0	0	Y	NF	GOOD	0'	

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	--	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
Basement	00011	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
Basement	00011	Pipe Insulation, 3"	700 - 003	0	40	0	0	0	Y	HF	FAIR	10'	
Basement	00011	Pipe Joint Insulation, 3"	700 - 004	0	12	0	0	0	Y	HF	FAIR	10'	
Basement	00011	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		
Basement	00011	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
Basement	00011	Pipe Insulation, 6"	700 - 021	0	0	30	0	0	Y	HF	FAIR	10'	
Basement	00011	Pipe Joint Insulation, 6"	700 - 022	0	0	3	0	0	Y	HF	FAIR	10'	
Basement	00012	Floor Tile, 9"x9" Dark Grey, Grey, Black Slashes	700-012-01A	315	0	0	0	0	Y	NF	GOOD	0'	
Basement	00012	Mastic for 9"x9" Tile	700-012-02A	0	0	0	0	0	N	NF	FAIR		
Basement	00012	Pipe Insulation, 3"	700 - 003	0	12	0	0	0	Y	HF	GOOD	10'	
Basement	00012	Pipe Joint Insulation, 3"	700 - 004	0	6	0	0	0	Y	HF	GOOD	10'	
Basement	00012	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		
Basement	00012	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
Basement	00012	Pipe Insulation, 6"	700 - 021	0	0	70	0	0	Y	HF	GOOD	10'	
Basement	00012	Pipe Joint Insulation, 6"	700 - 022	0	0	9	0	0	Y	HF	GOOD	10'	

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX - Building Number Sample was collected YYY - Room Number Sample was collected ###A - Homogenous Material Sample Number and location Please refer to Appendix D for exact sample location.</p>
---	--	---

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
Basement	00012	Duct Insulation, Beige	700-012-38B	100	0	0	0	0	Y	HF	GOOD	10'	
Basement	00013	Fire Door, White	700-013-20C	22	0	0	0	0	Y	LF	GOOD	0'-7'	
Basement	00014	Floor Tile, 9"x9" Dark Grey, Grey, Black Slashes	700 - 001	190	0	0	0	0	Y	NF	GOOD	0'	
Basement	00014	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
Basement	00014	Pipe Insulation, 3"	700 - 003	0	90	0	0	0	Y	HF	FAIR	9'	Above Ceiling Panel
Basement	00014	Pipe Joint Insulation, 3"	700 - 004	0	12	0	0	0	Y	HF	FAIR	9'	Above Ceiling Panel
Basement	00014	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR		
Basement	00014	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		
Basement	00014	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
Basement	00015	Pipe Insulation, 6"	700 - 021	0	0	50	0	0	Y	HF	FAIR	10'	
Basement	00015	Pipe Joint Insulation, 6"	700 - 022	0	0	5	0	0	Y	HF	FAIR	10'	
Basement	00016	Plaster, White with Skimcoat	700 - 025	0	0	0	0	0	N	NF	FAIR		
Basement	00016.1	Plaster, White with Skimcoat	700 - 025	0	0	0	0	0	N	NF	FAIR		
Basement	00017	Plaster, White with Skimcoat	700 - 025	0	0	0	0	0	N	NF	FAIR		
Basement	00017.1	Plaster, White with Skimcoat	700 - 025	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX - Building Number Sample was collected YYY - Room Number Sample was collected ###A - Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	--	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
Basemen	00018	Pipe Insulation, 3"	700-018-03B	0	50	0	0	0	Y	HF	FAIR	0'-10'	
Basemen	00018	Pipe Joint Insulation, 3"	700 - 004	0	9	0	0	0	Y	HF	FAIR	0'-10'	
Basemen	00018	Duct Insulation, Grey	700-018-05ABC	700	0	0	0	0	Y	HF	FAIR	0'-10'	
Basemen	00018	Fire Door, White	700-018-20B	25	0	0	0	0	Y	NF	GOOD		
Basemen	00018	Pipe Insulation, 6"	700 - 021	0	0	170	0	0	Y	HF	FAIR	0'-10'	
Basemen	00018	Pipe Joint Insulation, 6"	700 - 022	0	0	21	0	0	Y	HF	FAIR	0'-10'	
Basemen	00018	Pipe Insulation, >6"	700-018-23C	0	0	0	0	0	N	NF	FAIR		
Basemen	00018	Pipe Joint Insulation, >6"	700-018-24C	0	0	0	90	0	Y	HF	FAIR	0'-10'	
Basemen	00019	Pipe Insulation, 3"	700 - 003	0	125	0	0	0	Y	HF	FAIR	0'-10'	
Basemen	00019	Pipe Joint Insulation, 3"	700 - 004	0	11	0	0	0	Y	HF	FAIR	0'-10'	
Basemen	00019	Pipe Insulation, 6"	700 - 021	0	0	275	0	0	Y	HF	FAIR	0'-10'	
Basemen	00019	Pipe Joint Insulation, 6"	700 - 022	0	0	20	0	0	Y	HF	FAIR	0'-10'	
Basemen	00020	Floor Tile, 9"x9" Dark Grey, Grey, Black Slashes	700 - 001	425	0	0	0	0	Y	NF	GOOD	0'	Under Carpet
Basemen	00020	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		Under Carpet
Basemen	00020	Pipe Insulation, 3"	700 - 003	0	60	0	0	0	Y	HF	FAIR	9'	

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>																
<p align="center">LEGEND</p> <table border="0"> <tr> <td>ACM STATUS Y - Yes N - Non ACM R - Removed</td> <td>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention</td> </tr> <tr> <td>FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</td> <td>HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX - Building Number Sample was collected YYY - Room Number Sample was collected ###A - Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></td> </tr> </table>													ACM STATUS Y - Yes N - Non ACM R - Removed	ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention	FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability	HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX - Building Number Sample was collected YYY - Room Number Sample was collected ###A - Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i>
ACM STATUS Y - Yes N - Non ACM R - Removed	ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention															
FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability	HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX - Building Number Sample was collected YYY - Room Number Sample was collected ###A - Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i>															
<p align="center">Building Number: 700 Building Name: Detroit Institute for Children</p>																
Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks			
					0" to 4"	5" to 7"	8" to 12"	12" Up								
Basement	00020	Pipe Joint Insulation, 3"	700 - 004	0	20	0	0	0	Y	HF	FAIR	9'				
Basement	00020	Pipe Insulation, 6"	700 - 021	0	0	30	0	0	Y	HF	FAIR	9'				
Basement	00020	Pipe Joint Insulation, 6"	700 - 022	0	0	10	0	0	Y	HF	FAIR	9'				
Basement	00020	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR					
Basement	00020	Duct Insulation, Beige	700 - 038	175	0	0	0	0	Y	HF	FAIR	9'				
Basement	00021	Floor Tile, 9"x9" Dark Grey, Grey, Black Slashes	700 - 001	728	0	0	0	0	Y	NF	GOOD	0'				
Basement	00021	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR					
Basement	00021	Pipe Insulation, 3"	700 - 003	0	50	0	0	0	Y	HF	FAIR	9'	Above Ceiling Panel			
Basement	00021	Pipe Joint Insulation, 3"	700 - 004	0	20	0	0	0	Y	HF	FAIR	9'	Above Ceiling Panel			
Basement	00021	Ceiling Panel, 2'x2' White, Rough Finish	700 - 010	0	0	0	0	0	N	NF	FAIR					
Basement	00021	Pipe Insulation, 6"	700 - 021	0	0	20	0	0	Y	HF	FAIR	9'	Above Ceiling Panel			
Basement	00021	Pipe Joint Insulation, 6"	700 - 022	0	0	10	0	0	Y	HF	FAIR	9'	Above Ceiling Panel			
Basement	00021	Cove Base, Brown	700 - 028	0	0	0	0	0	N	NF	FAIR					
Basement	00021	Cove Base Mastic, Brown	700 - 029	0	0	0	0	0	N	NF	FAIR					
Basement	00022	Floor Tile, 9"x9" Dark Grey, Grey, Black Slashes	700 - 001	56	0	0	0	0	Y	NF	GOOD	0'				

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	--	--

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
Basement	00022	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
Basement	00022	Pipe Insulation, 3"	700 - 003	0	20	0	0	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00022	Pipe Joint Insulation, 3"	700 - 004	0	5	0	0	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00022	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		
Basement	00022	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
Basement	00022	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
Basement	00022	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
Basement	00022	Pipe Insulation, 6"	700 - 021	0	0	10	0	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00022	Pipe Joint Insulation, 6"	700 - 022	0	0	3	0	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00022	Pipe Insulation, >6"	700-022-23B	0	0	0	0	0	N	LF	FAIR		
Basement	00022	Pipe Joint Insulation, >6"	700-022-24B	0	0	0	20	0	Y	IF	GOOD	9'	Above Ceiling tile
Basement	00022.1	Plaster, White with Skimcoat	700 - 025	0	0	0	0	0	N	NF	FAIR		
Basement	00022.2	Plaster, White with Skimcoat	700 - 025	0	0	0	0	0	N	NF	FAIR		
Basement	00022.3	Floor Tile, 9"x9" Dark Grey, Grey, Black Slashes	700 - 001	200	0	0	0	0	Y	NF	GOOD	0'	
Basement	00022.3	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX - Building Number Sample was collected YYY - Room Number Sample was collected ###A - Homogenous Material Sample Number and location Please refer to Appendix D for exact sample location.</p>
---	--	---

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
Basement	00022.3	Pipe Insulation, 3"	700 - 003	0	25	0	0	0	Y	HF	FAIR	9'	
Basement	00022.3	Pipe Joint Insulation, 3"	700 - 004	0	7	0	0	0	Y	HF	FAIR	9'	
Basement	00022.3	Cove Base, Black	700 - 011	0	0	0	0	0	N	NF	FAIR		
Basement	00022.3	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
Basement	00022.3	Pipe Insulation, 6"	700 - 021	0	0	30	0	0	Y	HF	FAIR	9'	
Basement	00022.3	Pipe Joint Insulation, 6"	700 - 022	0	0	7	0	0	Y	HF	FAIR	9'	
Basement	00022.3	Duct Insulation, Beige	700 - 038	50	0	0	0	0	Y	HF	FAIR	9'	
Basement	00024	Pipe Insulation, 3"	700 - 003	0	40	0	0	0	Y	HF	FAIR	9'	Above Plaster Ceiling
Basement	00024	Pipe Joint Insulation, 3"	700 - 004	0	20	0	0	0	Y	HF	FAIR	9'	Above Plaster Ceiling
Basement	00024	Pipe Insulation, 6"	700 - 021	0	0	20	0	0	Y	HF	FAIR	9'	Above Plaster Ceiling
Basement	00024	Pipe Joint Insulation, 6"	700 - 022	0	0	10	0	0	Y	HF	FAIR	9'	Above Plaster Ceiling
Basement	00024	Plaster, White with Skimcoat	700 - 025	0	0	0	0	0	N	LF	GOOD		
Basement	00025	Floor Tile, 9"x9" Dark Grey, Grey, Black Slashes	700 - 001	1000	0	0	0	0	Y	NF	GOOD	0'	
Basement	00025	Mastic for 9"x9" Tile	700 - 002	0	0	0	0	0	N	NF	FAIR		
Basement	00025	Pipe Insulation, 3"	700 - 003	0	70	0	0	0	Y	HF	FAIR	9'	Above Ceiling Tile

**Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet**

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563 CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND ACM STATUS Y - Yes N - Non ACM R - Removed FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention HOMOGENOUS NUMBER Numbers: XXX-YYY-###A XXX - Building Number Sample was collected YYY - Room Number Sample was collected ###A - Homogenous Material Sample Number and location Please refer to Appendix D for exact sample location.</p>
---	--	---

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					
Basement	00025	Pipe Joint Insulation, 3"	700 - 004	0	20	0	0	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00025	Cove Base Mastic, Beige	700 - 012	0	0	0	0	0	N	NF	FAIR		
Basement	00025	Ceiling Tile, 1'x1' White, Holes	700 - 013	0	0	0	0	0	N	NF	FAIR		
Basement	00025	Glue Pod, Brown	700 - 014	0	0	0	0	0	N	NF	FAIR		
Basement	00025	Cove Base, Green	700 - 017	0	0	0	0	0	N	NF	FAIR		
Basement	00025	Pipe Insulation, 6"	700 - 021	0	0	30	0	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00025	Pipe Joint Insulation, 6"	700 - 022	0	0	10	0	0	Y	HF	FAIR	9'	Above Ceiling Tile
Basement	00025	Plaster, White with Skimcoat	700 - 025	0	0	0	0	0	N	NF	FAIR		
Basement	00025	Carpet Glue, Beige	700 - 030	0	0	0	0	0	N	NF	FAIR		
Basement	00025	Drywall, White	700 - 031	0	0	0	0	0	N	NF	FAIR		
Basement	00026	Drywall, White	700-026-31A	0	0	0	0	0	N	NF	FAIR		
Basement	00026	Drywall Tape, White	100-026-32A	0	0	0	0	0	N	NF	FAIR		
Basement	00026	Joint Compound, White	700-026-33A	0	0	0	0	0	N	NF	FAIR		
Exterior	300	Roofing Material	700-300-40ABC	0	0	0	0	0	N	NF	FAIR		
Exterior	300	Roof Flashing	700-300-41ABC	0	0	0	0	0	N	NF	FAIR		

Wayne State University - Building No. 700 - Detroit Institute for Children
Asbestos Data Collection Sheet

<p>DATE: 05-02-2013 ETC JOB NUMBER: 144563</p> <p>CLIENT: Wayne State University CLIENT PROJECT NAME: Multi-Building Comprehensive Asbestos Inspection and Testing CLIENT PROJECT NO.: PO 624032 BUILDING NAME: Detroit Institute for Children BUILDING NUMBER: 700 INSPECTOR: William Smallman CERTIFICATION #: A40709 CERTIFICATION EXP DATE: May 21, 2014 MANAGEMENT PLANNER: Leo P. Wall CERTIFICATION #: A11632 CERTIFICATION EXP DATE: May 21, 2014</p>	<p>LEGEND</p> <p>ACM STATUS Y - Yes N - Non ACM R - Removed</p> <p>FRIABILITY NF - Non Friable LF - Low Friability IF - Intermediate Friability HF - High Friability</p>	<p>ACM CONDITION GOOD - No immediate concerns FAIR - Requires attention POOR - Immediate Attention</p> <p>HOMOGENEOUS NUMBER Numbers: XXX-YYY-###A XXX- Building Number Sample was collected YYY- Room Number Sample was collected ###A-Homogenous Material Sample Number and location <i>Please refer to Appendix D for exact sample location.</i></p>
---	--	---

Building Number: 700 Building Name: Detroit Institute for Children

Floor	Room/Area Number	Homogenous Material	Homogenous Number	Square Feet	Linear Feet by Outside Diameter-Pipe				ACM Status	Friability	ACM Condition	Height of ACM A.F.F. (Approx.)	Remarks
					0" to 4"	5" to 7"	8" to 12"	12" Up					

APPENDIX D

**BUILDING 700-DETROIT INSTITUTE FOR
CHILDREN**

BULK SAMPLING RESULTS

Chain of Custody

-Bulk Asbestos -

<u>Contact Information</u>	
Client Company: <u>ETC Environmental Services</u>	Project Number: <u>144563</u>
Office Address: <u>38900 Huron River Drive</u>	Project Name: <u>5447 Woodward</u>
City, State, Zip: <u>Romulus, MI 48174</u>	Primary Contact: <u>Leo Wall</u>
Fax Number: <u>734-955-6604</u>	Office Phone: <u>734-955-6600</u>
Email Address: <u>results@2etc</u>	Cell Phone: <u>734-649-9682</u>

<u>PLM Instructions:</u>	
<input checked="" type="checkbox"/> PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010	
<input type="checkbox"/> TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009	
<input type="checkbox"/> PLM: Point Counting	<input type="checkbox"/> PLM: Analyze Until Positive (Positive Stop)
<input type="checkbox"/> PC: via ELAP 198.1	<input type="checkbox"/> AUP: by Homogenous Area as Noted
<input type="checkbox"/> PC: 400 Points	<input type="checkbox"/> AUP: by Material Type as Noted
<input type="checkbox"/> PC: 800 Points *	<input type="checkbox"/> PLM: NOB via 198.6
<input type="checkbox"/> PC: 1600 Points *	<input type="checkbox"/> PLM: Friable via EPA 600 2.3
<input type="checkbox"/> PLM: Instructions for Multi-Layered Samples	<input type="checkbox"/> If <1% by PLM, to TEM via 198.4 *
<input type="checkbox"/> Analyze and Report All Separable Layers per EPA 600	<input type="checkbox"/> If <1% by PLM, Hold for Instructions
<input type="checkbox"/> Report Composite for Drywall Systems per NESHAP	<input type="checkbox"/> PLM: Non-Building Material *** (Dust, Wipe, Tape)
<input type="checkbox"/> Report All Layers and Composite Where Applicable	<input type="checkbox"/> Soil or Vermiculite Analysis *
<input type="checkbox"/> Only Analyze and Report Specifically Noted Layer	<input type="checkbox"/> CARB 435
Special Instructions: <u>* See attached paperwork *</u>	
* Additional charge and turnaround may be required ** Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory	

<u>Turnaround Time</u>	
Preliminary Results Requested Date: _____	<input checked="" type="checkbox"/> Verbal <input checked="" type="checkbox"/> Email <input checked="" type="checkbox"/> Fax
Specific date / time	
<input type="checkbox"/> 10 Day <input type="checkbox"/> 5 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 1 Day* <input type="checkbox"/> 12 Hour** <input type="checkbox"/> 6 Hour** <input checked="" type="checkbox"/> RUSH**	
* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***	

<u>Chain of Custody</u>			
Relinquished (Name/Organization): <u>Will / ETC</u>	Date: <u>03/5/13</u>	Time: <u>16:00</u>	
Received (Name / iATL): _____	Date: _____	Time: _____	
Sample Login (Name / iATL): _____	Date: _____	Time: _____	
Analysis(Name(s) / iATL): _____	Date: _____	Time: _____	
QA/QC Review (Name / iATL): _____	Date: _____	Time: _____	
Archived / Released: _____	QA/QC InterLAB Use: _____	Date: _____	Time: _____

Asbestos Material Sampling Summary Sheet

Job #:	Building: 5447 Woodward, Detroit		Date: 2/28-3/1/13	Material Located throughout bldg (Please List all Rooms)	Overall condition of material (good, fair, bad)
Material no.	Description	Sample Letter	Material Number & Sample Location Includes: Floor, Room #, Room name, and exact sample location	Quantify	
	Material: Floor Tile Size: 9x9 Color: Dk grey/gray/black Description: Slashes	T, S, M A B C	700-012-01A NE CORNER BEHIND DOOR 700-005-01B W WALL 4' N OF S WALL 700-000.1-01C NW CORNER	4,750 59 ft.	G
	Material: Mastik Size: Color: Description:	T, S, M A B C	700-012-02A NE CORNER BEHIND DOOR 700-005-02B W WALL 4' N OF S WALL 700-000.1-02C NW CORNER		
	Material: Pipe Insulation Size: 2 1/2" x 3" Color: Description:	T, S, M A B C	700-005-03A 1' S OF N WALL 3' E OF W WALL 700-018-03B AT N WALL 1 1/2' W OF E WALL 700-123.1-03C N OF MECH. CHASE DOOR	1500 ft lin	F
	Material: Pipe Joint Insul Size: 2 1/2" x 3" Color: Description:	T, S, M A B C	700-005-04A AT S WALL 4' E OF W WALL 700-000.1-04B S E CORNER 700-123.1-04C N OF MECH. CHASE DOOR	250 lin ft	F
	Material: Duct Insulation Size: Color: GRAY Description:	T, S, M A B C	700-018-05A E FAN UNIT 5' N OF S WALL 4' W OF E WALL 700-018-05B W FAN UNIT 2' E OF W WALL B. OF S WALL 700-018-05C E FAN UNIT 1' S OF N WALL 5' W OF E WALL	400 99 ft.	F

Double boxed areas must be completed for Demolition and OSHA surveys only.

Asbestos Material Sampling Summary Sheet

Job #:	Building: 5447 Woodward, Detroit		Date: 2/28-3/1/13	Material Located throughout bldg (Please List all Rooms)	Quantity	Overall condition of material (good, fair, bad)
Material no.	Description	Sample Letter	MATERIAL NUMBER & Sample Location Includes: Floor, Room #, Room name, and exact sample location			
	Material: Ceiling Tile Size: 1 X 1 Color: White Description: SLASHES	A	700-234-00A 4' S OF N WALL 16' W OF E WALL ABOVE DROP CEILING			
		B	700-100-2-00B AT E WALL 12' N OF S WALL			
		C	700-219-00C ABOVE WINDOWS E WALL S CORNER			
	Material: Glue Pod Size: Color: Beige Description:	A	700-234-00A 4' S OF N WALL 16' W OF E WALL ABOVE DROP CEILING			
		B	700-100-3-07B ACCESS PANEL			
		C	700-219-07C ABOVE WINDOWS E WALL S CORNER			
	Material: Floor Tile Size: 9x9 Color: TAN Description: w/ GRACK SPOTS	A	700-234-00A NE CORNER			
		B	700-200-1-00B AT E WALL 20' S OF N WALL			
		C	700-200-00C AT TOP OF STAIRS			
	Material: Mastik Size: Color: Description:	A	700-234-00A NE CORNER			
		B	700-200-1-00B AT E WALL 20' S OF N WALL			
		C	700-200-00C AT TOP OF STAIRS			
	Material: Ceiling Panel Size: 2x2 Color: White Description: ROUGH FINISH	A	700-112-10A 6' N OF S WALL 4' W OF E WALL			
		B	700-117-10B 3' S OF N WALL 6' W OF E WALL			
		C	700-120-10C AT S WALL 6' W OF E WALL			
				2000 sq FT	2nd floor East Wing	F

Double boxed areas must be completed for Demolition and OSHA surveys only.

Asbestos Material Sampling Summary Sheet

Job #:	Building: 5447 Woodward, Detroit			Date: 2/28-3/1/13	Material Located throughout bldg (Please List all Rooms)	Quantity	Overall condition of material (good, fair, bad)
Material no.	Description	Sample Letter	Sample Location Includes: Floor, Room #, Room name, and exact sample location				
X	Description Walls						
	Material: Mastic	T, S, M	700-234.3-16A SW Corner	A	300 59 Ft	2nd floor East for East Hallway and Bed Room	
	Size: Color: Beige Description:		700-234.4-16B NW corner @ Door to 234.2 700-234.4-16C SW corner @ Door to 234.5	B C			
X	Material: Cove Base	T, S, M	700-109-17 ASE Corner	A	30 Lin	109	G
	Size: Color: Green Description:		700-109-17B SW Corner	B			
		F NF	700-109-17C NW Corner	C			
X	Material: Cove base	T, S, M	700-109-18A SE corner	A			
	Material: Mastic		700-109-18B SW corner	B			
	Size: Color: Beige Description:	F NF	700-109-18C NW corner	C			
X	Material: Linoleum	T, S, M	700-188-19A NW Corner	A	3,000 59 ft	1st Floor East Wing	G
	Size: Color: Beige Description: Mosaic With Paper Backings		700-133-19B SW corner @ Door	B			
		F NF	700-100.1-19C SW corner @ Door #0 131	C			
X	Material: Mastic Fire Door	T, S, M	700-016-20A NW corner Door	A	10 Doors	throughout buildings	G
	Size: Color: Black White Description:		700-018-20B	B			
		F NF	700-013-20C NE Door	C			

Double boxed areas must be completed for Demolition and OSHA surveys only.

Asbestos Material Sampling Summary Sheet

Job #:	Building: 5447 Woodward, Detroit		Date: 2/28-3/1/13	Quantity	Material Located throughout bldg (Please List all Rooms)	Overall condition of material (good, fair, bad)
Material no.	T, S, M	Sample Letter	Sample Location Include: Floor, Room #, Room name, and exact sample location	1400 lin	Throughout Building Above Ringed Columns	F.
	A	700-005-21A AT N WALL 2' N OF S WALL				
	B	700-0001-21B SE CORNER				
F NF	C	700-006-21C NW CORNER 2 FT SOUTH OF N WALL				
Material no.	T, S, M	Sample Letter	Sample Location Include: Floor, Room #, Room name, and exact sample location	300 lin ft	V	V
	A	700-005-22A AT N WALL 2' N OF S WALL				
	B	700-0001-22B SE CORNER				
F NF	C	700-006-22C North wall 17 FT East from NW corner				
T, S, M	A	700-000.2-23A 10 FT WEST 4 FT South from NE				
F NF	B	700-000-23B SE CORNER				
F NF	C	700-018-23C 6 FT WEST 1 FT NORTH from SE CORNER				
Material no.	T, S, M	Sample Letter	Sample Location Include: Floor, Room #, Room name, and exact sample location	40 lin ft	V	V
	A	700-000.2-24A 10 FT WEST 4 FT SOUTH from SE CORNER				
	B	700-020-24B SE CORNER				
F NF	C	700-018-24C 6 FT WEST 1 FT NORTH from SE CORNER				
T, S, M	A	700-005-25A 3 FT WEST OF SE corner ceiling				
F NF	B	700-219-25B SE CORNER @ access Panel				
F NF	C	700-234.5-25C NE CORNER ABOVE CT				

Double boxed areas must be completed for Demolition and OSHA surveys only.

Asbestos Material Sampling Summary Sheet

Job #:	Building: 5447 Woodward, Detroit			Date: 2/28-3/1/13	Material Located throughout bldg (Please List all Rooms)	Quantity	Overall condition of material (good, fair, bad)
Material no.	Description	Sample Letter	Sample Location Include: Floor, Room #, Room name, and exact sample location	T, S, M	F, NF		
X	Material: Floor Tile	A	700-000-26A @ Door to 004			11,750 39 FT	G
	Size: 9x9	B	700-215-26B @ Door				
	Color: beige brown Description: slashes	C	700-221-26C SE corner				
X	Material: Cove Base	A	700-100.1-27A SE corner				
	Size: 12x12	B	700-100-27B SW corner				
	Color: grey Description:	C	700-117-27C NW corner				
X	Material: Cove Base	A	700-215-28A SW corner				
	Size:	B	700-200-28B @ 219 Door				
	Color: brown Description:	C	700-108-28C @ Doorway				
X	Material: Cove Base Mastic	A	700-215-29A SW corner				
	Size:	B	700-200-29B @ 219 Door				
	Color: brown Description:	C	700-108-29C @ Doorways				
X	Material: Carpet Glue	A	700-216-30A @ Doorways				
	Size:	B	700-219-30B @ Doorways				
	Color: beige Description:	C	700-009-30C @ N Doorways				

26
27
28
29
30

Double boxed areas must be completed for Demolition and OSHA surveys only.

Asbestos Material Sampling Summary Sheet

Job #:	Building: 5447 Woodward, Detroit		Date: 2/28-3/1/13	Quantity	Material Located throughout bldg (Please List all Rooms)	Overall condition of material (good, fair, bad)
Material no.	Description	T, S, M	Sample Letter			
		F, NF	Sample Letter			
		T, S, M	Sample Letter			
		F, NF	Sample Letter			
		T, S, M	Sample Letter			
F, NF	Sample Letter					
T, S, M	Sample Letter	Sample Location				
F, NF	Sample Letter	Sample Location				
T, S, M	Sample Letter	Sample Location				
F, NF	Sample Letter	Sample Location				
T, S, M	Sample Letter	Sample Location				
F, NF	Sample Letter	Sample Location				
T, S, M	Sample Letter	Sample Location				
F, NF	Sample Letter	Sample Location				
T, S, M	Sample Letter	Sample Location				
F, NF	Sample Letter	Sample Location				
T, S, M	Sample Letter	Sample Location				
F, NF	Sample Letter	Sample Location				
T, S, M	Sample Letter	Sample Location				
F, NF	Sample Letter	Sample Location				
T, S, M	Sample Letter	Sample Location				
F, NF	Sample Letter	Sample Location				
T, S, M	Sample Letter	Sample Location				
F, NF	Sample Letter	Sample Location				

36

37

38

39

Double boxed areas must be completed for Demolition and OSHA surveys only.

CERTIFICATE OF ANALYSIS (Revised)

Client: Environmental Testing & Consul
38900 Huron River Dr.
Romulus MI 48174

Report Date: 3/8/2013
Report No.: 298328
Project: 5447 Woodward
Project No.: 144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933745 **Description / Location:** Grey Floor Tile; 9x9
Client No.: 700-012-01A NE Corner Behind Door

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 6.8	Chrysotile	None Detected	None Detected	PC 93.2

Lab No.: 4933746 **Description / Location:** Grey Floor Tile; 9x9
Client No.: 700-005-01B W Wall 4' N Of S Wall

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 6.3	Chrysotile	None Detected	None Detected	PC 93.7

Lab No.: 4933747 **Description / Location:** Grey Floor Tile; 9x9
Client No.: 700-000.1-01C NW Corner

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 6.7	Chrysotile	None Detected	None Detected	PC 93.3

Lab No.: 4933748 **Description / Location:** Black Mastic A/W 9x9 Floor Tile
Client No.: 700-012-02A NE Corner Behind Door

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*


Analytical Method:

EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Approved By:



Date: 3/7/2013

Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS (Revised)

Client: Environmental Testing & Consul
38900 Huron River Dr.
Romulus MI 48174

Report Date: 3/8/2013
Report No.: 298328
Project: 5447 Woodward
Project No.: 144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933749	Description / Location: Black Mastic A/W 9x9 Floor Tile		
Client No.: 700-005-02B	W Wall 4' N Of S Wall		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 4933750	Description / Location: Black Mastic A/W 9x9 Floor Tile		
Client No.: 700-000.1-02C	NW Corner		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 4933751	Description / Location: Tan/Black/White Insulation		
Client No.: 700-005-03A	1' S Of N Wall 3' E Of W Wall		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
10	Chrysotile	85	Cellulose
			5

Lab No.: 4933752	Description / Location: Lt. Tan/White Insulation		
Client No.: 700-018-03B	At N Wall 12' W Of E Wall		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
90	Chrysotile	5	Cellulose
			5

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method:

EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client: Environmental Testing & Consul
38900 Huron River Dr.
Romulus MI 48174

Report Date: 3/8/2013
Report No.: 298328
Project: 5447 Woodward
Project No.: 144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933753 **Description / Location:** Tan/White Insulation
Client No.: 700-223.1-03C N Mech. Chase Door

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
10	Chrysotile	85	Cellulose	5

Lab No.: 4933754 **Description / Location:** Blue/Tan Insulation
Client No.: 700-005-4A At S Wall 4' E Of W Wall

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 4.8	Chrysotile	5	Cellulose	PC 70.2
		20	Mineral Wool	

Lab No.: 4933755 **Description / Location:** Pink/Lt.Grey Insulation
Client No.: 700-000.1-4B SE Corner

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 5.3	Chrysotile	5	Cellulose	PC 69.7
		20	Mineral Wool	

Lab No.: 4933756 **Description / Location:** Grey Insulation
Client No.: 700-223.1-4C N Of Mech. Chase Door

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	Trace	Hair	75
		25	Mineral Wool	

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method:

EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client: Environmental Testing & Consul
38900 Huron River Dr.
Romulus MI 48174

Report Date: 3/8/2013
Report No.: 298328
Project: 5447 Woodward
Project No.: 144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933757 **Description / Location:** Lt.Grey/Black Insulation
Client No.: 700-018-05A E Fan Unit 5'N Of S Wall 4'W Of E Wall

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
30	Chrysotile	20	Cellulose	10
		40	Fibrous Glass	

Lab No.: 4933758 **Description / Location:** Grey/White/Black Insulation
Client No.: 700-018-05B W Fan Unit 2'E Of W Wall 8'N Of S Wall

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
20	Chrysotile	10	Cellulose	10
		60	Fibrous Glass	

Lab No.: 4933759 **Description / Location:** Grey/White/Tan Insulation
Client No.: 700-018-05C E Fan Unit 1'S Of N Wall 5'W Of E Wall

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
10	Chrysotile	5	Cellulose	5
		80	Fibrous Glass	

Lab No.: 4933760 **Description / Location:** Tan/Lt.Grey Ceiling Tile; 1x1; 4'S Of N
Client No.: 700-234-06A Wall 16'W Of E Wall Above Drop Ceiling

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	80	Mineral Wool	20

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method:

EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client:	Environmental Testing & Consul 38900 Huron River Dr. Romulus MI 48174	Report Date:	3/8/2013
		Report No.:	298328
		Project:	5447 Woodward
		Project No.:	144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933761	Description / Location: White/Lt.Grey Ceiling Tile; 1x1 At E Wall 12'N Of S Wall		
Client No.: 700-100.2-06B			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	80	Mineral Wool
			<u>% Non-Fibrous Material</u>
			20

Lab No.: 4933762	Description / Location: White/Lt.Grey Ceiling Tile; 1x1 Above Windows E Wall S Corner		
Client No.: 700-219-06C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	80	Mineral Wool
			<u>% Non-Fibrous Material</u>
			20

Lab No.: 4933763	Description / Location: Brown Mastic; 4'S Of N Wall 16' W Of E Wall Above Drop Ceiling		
Client No.: 700-234-07A			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			100

Lab No.: 4933764	Description / Location: Brown Mastic Access Panel		
Client No.: 700-100.3-07B			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client: Environmental Testing & Consul
38900 Huron River Dr.
Romulus MI 48174

Report Date: 3/8/2013
Report No.: 298328
Project: 5447 Woodward
Project No.: 144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933765 **Description / Location:** Brown Mastic
Client No.: 700-219-07C Above Windows E Wall S Corner

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933766 **Description / Location:** Tan Floor Tile; 9x9
Client No.: 700-234-08A NE Corner

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933767 **Description / Location:** Tan Floor Tile; 9x9
Client No.: 700-200.1-08B At E Wall 20' S Of N Wall

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933768 **Description / Location:** Tan Floor Tile; 9x9
Client No.: 700-200-08C At Top Of Stairs

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client:	Environmental Testing & Consul 38900 Huron River Dr. Romulus MI 48174	Report Date:	3/8/2013
		Report No.:	298328
		Project:	5447 Woodward
		Project No.:	144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933769	Description / Location: Tan Mastic A/W 9x9 Floor Tile NE Corner		
Client No.: 700-234-09A			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
PC 1.2	Chrysotile	None Detected	None Detected
			<u>% Non-Fibrous Material</u> PC 98.8

Lab No.: 4933770	Description / Location: Tan Mastic A/W 9x9 Floor Tile At E Wall 20' S Of N Wall		
Client No.: 700-200.1-09B			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
PC 1.4	Chrysotile	None Detected	None Detected
			<u>% Non-Fibrous Material</u> PC 98.6

Lab No.: 4933771	Description / Location: Tan Mastic A/W 9x9 Floor Tile At Top Of Stairs		
Client No.: 700-200-09C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
PC 1.3	Chrysotile	None Detected	None Detected
			<u>% Non-Fibrous Material</u> PC 98.7

Lab No.: 4933772	Description / Location: Off-White/Silver/Tan Ceiling Tile; 2x2 6'N Of S Wall 4'W Of E Wall		
Client No.: 700-112-10A			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	5	Cellulose
		75	Mineral Wool
			<u>% Non-Fibrous Material</u> 20

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client:	Environmental Testing & Consul 38900 Huron River Dr. Romulus MI 48174	Report Date:	3/8/2013
		Report No.:	298328
		Project:	5447 Woodward
		Project No.:	144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933773	Description / Location: Off-White/Silver/Tan Ceiling Tile; 2x2 3'S Of N Wall 6'W Of E Wall			
Client No.: 700-127-10B				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	5	Cellulose	20
		75	Mineral Wool	

Lab No.: 4933774	Description / Location: Off-White/Silver/Tan Ceiling Tile; 2x2 At S Wall 6'W Of E Wall			
Client No.: 700-120-10C				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	5	Cellulose	20
		75	Mineral Wool	

Lab No.: 4933775	Description / Location: Black Cove Base NW Corner			
Client No.: 700-217-11A				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933776	Description / Location: Black Cove Base SW Corner			
Client No.: 700-229-11B				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client: Environmental Testing & Consul
38900 Huron River Dr.
Romulus MI 48174

Report Date: 3/8/2013
Report No.: 298328
Project: 5447 Woodward
Project No.: 144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933777 **Description / Location:** Black Cove Base
Client No.: 700-000.1-11C NW Corner

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933778 **Description / Location:** Yellow Cove Base Mastic
Client No.: 700-217-12A NW Corner

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933779 **Description / Location:** Yellow Cove Base Mastic
Client No.: 700-229-12B SW Corner

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933780 **Description / Location:** Brown Cove Base Mastic
Client No.: 700-000.1-12C NW Corner

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client: Environmental Testing & Consul
38900 Huron River Dr.
Romulus MI 48174

Report Date: 3/8/2013
Report No.: 298328
Project: 5447 Woodward
Project No.: 144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933781 **Description / Location:** White/Tan Ceiling Tile; 1x1
Client No.: 700-200-13A NW Corner

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	95	Cellulose	5

Lab No.: 4933782 **Description / Location:** White/Tan Ceiling Tile; 1x1
Client No.: 700-232-13B NE Corner

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	95	Mineral Wool	5

Lab No.: 4933783 **Description / Location:** White/Tan Ceiling Tile; 1x1
Client No.: 700-005-13C SE Corner

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	95	Mineral Wool	5

Lab No.: 4933784 **Description / Location:** Brown Mastic
Client No.: 700-200-14A NW Corner

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client:	Environmental Testing & Consul 38900 Huron River Dr. Romulus MI 48174	Report Date:	3/8/2013
		Report No.:	298328
		Project:	5447 Woodward
		Project No.:	144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933785	Description / Location: Brown Mastic			
Client No.: 700-232-14B	NE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933786	Description / Location: Brown Mastic			
Client No.: 700-005-14C	SE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933787	Description / Location: White/Brown Floor Tile; 9x9			
Client No.: 700-234.3-15A	SW Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933788	Description / Location: White/Brown Floor Tile; 9x9			
Client No.: 700-234.4-15B	NW Corner @ Door To 234.2			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client:	Environmental Testing & Consul 38900 Huron River Dr. Romulus MI 48174	Report Date:	3/8/2013
		Report No.:	298328
		Project:	5447 Woodward
		Project No.:	144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933789	Description / Location: White/Brown Floor Tile; 9x9 SW Corner @ Door To 234.5		
Client No.: 700-234.4-15C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			100

Lab No.: 4933790	Description / Location: Tan Mastic SW Corner		
Client No.: 700-234.3-16A			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
PC 1.2	Chrysotile	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			PC 98.8

Lab No.: 4933791	Description / Location: Tan Mastic NW Corner @ Door To 234.2		
Client No.: 700-234.4-16B			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
PC 1.3	Chrysotile	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			PC 98.7

Lab No.: 4933792	Description / Location: Tan Mastic SW Corner @ Door To 234.5		
Client No.: 700-234.4-16C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
PC 1.3	Chrysotile	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			PC 98.7

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client: Environmental Testing & Consul
38900 Huron River Dr.
Romulus MI 48174

Report Date: 3/8/2013
Report No.: 298328
Project: 5447 Woodward
Project No.: 144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933793 **Description / Location:** Green Cove Base
Client No.: 700-109-17A SE Corner

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933794 **Description / Location:** Green Cove Base
Client No.: 700-109-17B SW Corner

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933795 **Description / Location:** Green Cove Base
Client No.: 700-109-17C NW Corner

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933796 **Description / Location:** Tan Cove Base Mastic
Client No.: 700-109-18A SE Corner

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method:

EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client: Environmental Testing & Consul
38900 Huron River Dr.
Romulus MI 48174

Report Date: 3/8/2013
Report No.: 298328
Project: 5447 Woodward
Project No.: 144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933797 **Description / Location:** Tan Cove Base Mastic
Client No.: 700-109-18B SW Corner

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933798 **Description / Location:** Tan Cove Base Mastic
Client No.: 700-109-18C NW Corner

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933799 **Description / Location:** Off-White/Tan Vinyl Sheet Flooring
Client No.: 700-128-19A NW Corner

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
20	Chrysotile	None Detected	None Detected	80

Lab No.: 4933800 **Description / Location:** Off-White/Tan Vinyl Sheet Flooring
Client No.: 700-133-19B SW Corner @ Door

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
20	Chrysotile	None Detected	None Detected	80

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method:

EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client:	Environmental Testing & Consul 38900 Huron River Dr. Romulus MI 48174	Report Date:	3/8/2013
		Report No.:	298328
		Project:	5447 Woodward
		Project No.:	144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	4933801	Description / Location:	Off-White/Tan Vinyl Sheet Flooring SW Corner @ Door To 131	
Client No.:	700-100.1-19C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
20	Chrysotile	None Detected	None Detected	80

Lab No.:	4933802	Description / Location:	White Insulation Fire Door; NW Corner Door	
Client No.:	700-006-20A			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
10	Amosite	None Detected	None Detected	90

Lab No.:	4933803	Description / Location:	White Insulation	
Client No.:	700-018-20B			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
10	Amosite	None Detected	None Detected	90

Lab No.:	4933804	Description / Location:	White Insulation NE Door	
Client No.:	700-013-20C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
10	Amosite	None Detected	None Detected	90

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client: Environmental Testing & Consul
38900 Huron River Dr.
Romulus MI 48174

Report Date: 3/8/2013
Report No.: 298328
Project: 5447 Woodward
Project No.: 144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933805 **Description / Location:** Blue/White/Tan Insulation
Client No.: 700-005-21A At W Wall 2'N Of S Wall

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 4.8	Chrysotile	20	Cellulose	PC 5.2
		70	Mineral Wool	

Lab No.: 4933806 **Description / Location:** Orange/White/Tan Insulation
Client No.: 700-000.1-21B SE Corner

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	5	Cellulose	5
		90	Mineral Wool	

Lab No.: 4933807 **Description / Location:** White/Black/Tan Insulation
Client No.: 700-006-21C NW Corner 2' S Of N Wall

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	10	Cellulose	5
		85	Mineral Wool	

Lab No.: 4933808 **Description / Location:** Lt.Grey Insulation
Client No.: 700-005-22A At W Wall 2'N Of S Wall

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
50	Chrysotile	5	Mineral Wool	45

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method:

EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client: Environmental Testing & Consul
38900 Huron River Dr.
Romulus MI 48174

Report Date: 3/8/2013
Report No.: 298328
Project: 5447 Woodward
Project No.: 144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933809	Description / Location: Orange/Lt.Grey Insulation			
Client No.: 700-000.1-22B	SE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
80	Chrysotile	Trace	Cellulose	20

Lab No.: 4933810	Description / Location: Tan/Grey/Brown Insulation			
Client No.: 700-006-22C	@ N Wall 17' E Of NW Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
10	Chrysotile	5	Cellulose	50
		10	Mineral Wool	
		25	Hair	

Lab No.: 4933811	Description / Location: Green/Black/Tan Insulation			
Client No.: 700-000.2-23A	10' W 4' S From NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	10	Cellulose	10
		80	Mineral Wool	

Lab No.: 4933812	Description / Location: Green/Black/Tan Insulation			
Client No.: 700-022-23B	SE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	10	Cellulose	10
		80	Mineral Wool	

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client: Environmental Testing & Consul
38900 Huron River Dr.
Romulus MI 48174

Report Date: 3/8/2013
Report No.: 298328
Project: 5447 Woodward
Project No.: 144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933813	Description / Location: Blue/Tan Insulation		
Client No.: 700-018-23C	6' W 1' N From SE Corner		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	5	Cellulose
		90	Mineral Wool

Lab No.: 4933814	Description / Location: Green/Lt.Grey/Tan Insulation		
Client No.: 700-000.2-24A	10' W 4' S From SE Corner		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
10	Chrysotile	45	Mineral Wool
		5	Cellulose

Lab No.: 4933815	Description / Location: Green/Lt.Grey/Brown Insulation		
Client No.: 700-020-24B	SE Corner		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
15	Chrysotile	10	Mineral Wool
		5	Cellulose
		20	Hair

Lab No.: 4933816	Description / Location: Blue/Lt.Grey/Brown Insulation		
Client No.: 700-018-24C	6'W 1' N From SE Corner		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
10	Chrysotile	.5	Cellulose
		20	Mineral Wool
		10	Hair

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method:

EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client:	Environmental Testing & Consul 38900 Huron River Dr. Romulus MI 48174	Report Date:	3/8/2013
		Report No.:	298328
		Project:	5447 Woodward
		Project No.:	144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	4933817	Description / Location:	Lt. Grey Plaster 3'W Of SE Corner Ceiling	
Client No.:	700-005-25A			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	4933818	Description / Location:	Lt. Grey Plaster SE Corner @ Access Panel	
Client No.:	700-219-25B			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	4933819	Description / Location:	White Plaster NE Corner Above CT	
Client No.:	700-234.5-25C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	4933819	Description / Location:	Lt. Grey Plaster	Layer No.:	2
Client No.:	700-234.5-25C		NE Corner Above CT		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	None Detected	None Detected	100	

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client:	Environmental Testing & Consul 38900 Huron River Dr. Romulus MI 48174	Report Date:	3/8/2013
		Report No.:	298328
		Project:	5447 Woodward
		Project No.:	144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	4933820	Description / Location:	Tan Floor Tile; 9x9 @ Door To 004	
Client No.:	700-000-26A			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 5.8	Chrysotile	None Detected	None Detected	PC 94.2

Lab No.:	4933821	Description / Location:	Tan Floor Tile; 9x9 @ Door	
Client No.:	700-215-26B			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 5.4	Chrysotile	None Detected	None Detected	PC 94.6

Lab No.:	4933822	Description / Location:	Tan Floor Tile; 9x9 SE Corner	
Client No.:	700-221-26C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 6.3	Chrysotile	None Detected	None Detected	PC 93.7

Lab No.:	4933822	Description / Location:	Black Mastic SE Corner	Layer No.: 2
Client No.:	700-221-26C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client: Environmental Testing & Consul 38900 Huron River Dr. Romulus MI 48174	Report Date: 3/8/2013 Report No.: 298328 Project: 5447 Woodward Project No.: 144563
--	--

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933823	Description / Location: Grey Cove Base		
Client No.: 700-100.1-27A	SE Corner		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			100

Lab No.: 4933823	Description / Location: Off-White/Dk.Brown Mastic		Layer No.: 2
Client No.: 700-100.1-27A	SE Corner		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			100

Lab No.: 4933823	Description / Location: White Joint Compound		Layer No.: 3
Client No.: 700-100.1-27A	SE Corner		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client: Environmental Testing & Consul
38900 Huron River Dr.
Romulus MI 48174

Report Date: 3/8/2013
Report No.: 298328
Project: 5447 Woodward
Project No.: 144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933824 **Description / Location:** Grey Cove Base
Client No.: 700-100-27B SW Corner

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933824 **Description / Location:** Off-White Mastic **Layer No.:** 2
Client No.: 700-100-27B SW Corner

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933825 **Description / Location:** Grey Cove Base
Client No.: 700-117-27C NW Corner

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933826 **Description / Location:** Brown Cove Base
Client No.: 700-215-28A SW Corner

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method:

EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client:	Environmental Testing & Consul 38900 Huron River Dr. Romulus MI 48174	Report Date:	3/8/2013
		Report No.:	298328
		Project:	5447 Woodward
		Project No.:	144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933827	Description / Location: Brown Cove Base @ 219 Door			
Client No.: 700-200-28B				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933828	Description / Location: Brown Cove Base @ Doorway			
Client No.: 700-108-28C				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933829	Description / Location: Brown Cove Base Mastic SW Corner			
Client No.: 700-215-29A				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933830	Description / Location: Brown Cove Base Mastic @ 219 Door			
Client No.: 700-200-29B				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

**CERTIFICATE OF ANALYSIS
(Revised)****Client:** Environmental Testing & Consul
38900 Huron River Dr.
Romulus MI 48174**Report Date:** 3/8/2013
Report No.: 298328
Project: 5447 Woodward
Project No.: 144563**BULK SAMPLE ANALYSIS SUMMARY**

Lab No.: 4933831	Description / Location: Brown Cove Base Mastic			
Client No.: 700-108-29C	@ Doorway			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933832	Description / Location: Tan Carpet Mastic			
Client No.: 700-216-30A	@ Doorway			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933833	Description / Location: Tan Carpet Mastic			
Client No.: 700-219-30B	@ Doorway			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933834	Description / Location: Tan Carpet Mastic			
Client No.: 700-009-30C	@ N Doorway			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0**NY-DOH No. 11021****AIHA-LAP, LLC No. 100188***This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.***Analytical Method:**

EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.**Analysis Performed By:** M. Mirza**Date:** 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client:	Environmental Testing & Consul 38900 Huron River Dr. Romulus MI 48174	Report Date:	3/8/2013
		Report No.:	298328
		Project:	5447 Woodward
		Project No.:	144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933835	Description / Location: Tan/White Sheetrock SW Corner		
Client No.: 700-026-31A			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	5	Cellulose
		2	Fibrous Glass
			<u>% Non-Fibrous Material</u> 93

Lab No.: 4933836	Description / Location: Tan/Off-White Sheetrock SW Corner Above CT		
Client No.: 700-128-31B			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	5	Cellulose
		2	Fibrous Glass
			<u>% Non-Fibrous Material</u> 93

Lab No.: 4933837	Description / Location: Tan/Off-White Sheetrock SE Corner		
Client No.: 700-234.6-31C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	5	Cellulose
		2	Fibrous Glass
			<u>% Non-Fibrous Material</u> 93

Lab No.: 4933838	Description / Location: Off-White Tape SW Corner		
Client No.: 700-026-32A			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	100	Cellulose
			<u>% Non-Fibrous Material</u> None Detected

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client:	Environmental Testing & Consul 38900 Huron River Dr. Romulus MI 48174	Report Date:	3/8/2013
		Report No.:	298328
		Project:	5447 Woodward
		Project No.:	144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933839	Description / Location: Off-White Tape		
Client No.: 700-128-32B	SW Corner Above CT		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	100	Cellulose
			<u>% Non-Fibrous Material</u>
			None Detected

Lab No.: 4933840	Description / Location: Off-White Tape		
Client No.: 700-234.6-32C	SE Corner		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	100	Cellulose
			<u>% Non-Fibrous Material</u>
			None Detected

Lab No.: 4933841	Description / Location: White Joint Compound		
Client No.: 700-026-33A	SW Corner		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			100

Lab No.: 4933842	Description / Location: White Joint Compound		
Client No.: 700-128-33B	SW Corner Above CT		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client:	Environmental Testing & Consul 38900 Huron River Dr. Romulus MI 48174	Report Date:	3/8/2013
		Report No.:	298328
		Project:	5447 Woodward
		Project No.:	144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933843	Description / Location: White Joint Compound		
Client No.: 700-234.6-33C	SE Corner		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			100

Lab No.: 4933844	Description / Location: White Floor Tile; 12x12		
Client No.: 700-109-34A	SE Corner @ Door		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			100

Lab No.: 4933845	Description / Location: White Floor Tile; 12x12		
Client No.: 700-220-34B	SE Corner @ Door		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			100

Lab No.: 4933846	Description / Location: White Floor Tile; 12x12		
Client No.: 700-217.4-34C	NW Corner @ Door		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client:	Environmental Testing & Consul 38900 Huron River Dr. Romulus MI 48174	Report Date:	3/8/2013
		Report No.:	298328
		Project:	5447 Woodward
		Project No.:	144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933847	Description / Location: Tan Mastic A/W 12x12 Floor Tile SE Corner @ Door			
Client No.: 700-109-35A				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933848	Description / Location: Tan/Black Mastic A/W 12x12 Floor Tile SE Corner @ Door			
Client No.: 700-220-35B				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933849	Description / Location: Tan Mastic A/W 12x12 Floor Tile NW Corner @ Door			
Client No.: 700-217.4-35C				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933850	Description / Location: White Floor Tile; 12x12 @ Door SW			
Client No.: 700-125-36A				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client:	Environmental Testing & Consul 38900 Huron River Dr. Romulus MI 48174	Report Date:	3/8/2013
		Report No.:	298328
		Project:	5447 Woodward
		Project No.:	144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933851	Description / Location: Green Floor Tile; 12x12			
Client No.: 700-100-36B	6'E From Entry To 100.4			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933852	Description / Location: Blue Floor Tile; 12x12			
Client No.: 700-100-36C	11'W 7' S From NE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933853	Description / Location: Pink Floor Tile; 12x12			
Client No.: 700-100-36D	NW Corner @ Door To 100.2			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client: Environmental Testing & Consul
38900 Huron River Dr.
Romulus MI 48174

Report Date: 3/8/2013
Report No.: 298328
Project: 5447 Woodward
Project No.: 144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4933854 **Description / Location:** Black Floor Tile; 12x12
Client No.: 700-108-36E SE Corner @ Door

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933854 **Description / Location:** Tan Mastic **Layer No.:** 2
Client No.: 700-108-36E SE Corner @ Door

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933855 **Description / Location:** Tan Mastic A/W 12x12 Floor Tile
Client No.: 700-125-37A @ Door SW

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933856 **Description / Location:** Tan Mastic A/W 12x12 Floor Tile
Client No.: 700-100-37B 6'E From Entry To 100.4

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS (Revised)

Client:	Environmental Testing & Consul 38900 Huron River Dr. Romulus MI 48174	Report Date:	3/8/2013
		Report No.:	298328
		Project:	5447 Woodward
		Project No.:	144563

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	4933857	Description / Location:	Tan Mastic A/W 12x12 Floor Tile 11'W 7'S From NE Corner	
Client No.:	700-100-37C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	4933858	Description / Location:	White/Tan Duct Insulation 4'N Of S Wall 2'E Of Wall	
Client No.:	700-005-38A			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.9	Chrysotile	10	Cellulose	PC 3.1
		85	Mineral Wool	

Amended COA. Result change from report dated 3/7/2013. See the attached QC report.

Lab No.:	4933859	Description / Location:	White/Lt.Grey/Tan Insulation Center @ Ceiling Duct	
Client No.:	700-012-38B			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 4.3	Chrysotile	5	Cellulose	PC 5.7
		85	Mineral Wool	

Lab No.:	4933860	Description / Location:	White/Lt.Grey/Tan Insulation SE Corner	
Client No.:	700-000.2-38C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 2.7	Chrysotile	5	Cellulose	PC 7.3
		85	Mineral Wool	

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 3/7/2013

CERTIFICATE OF ANALYSIS
(Revised)**Client:** Environmental Testing & Consul
38900 Huron River Dr.
Romulus MI 48174**Report Date:** 3/8/2013
Report No.: 298328
Project: 5447 Woodward
Project No.: 144563**BULK SAMPLE ANALYSIS SUMMARY**

Lab No.: 4933861	Description / Location: Tan Cove Base			
Client No.: 700-231.3-39A	NE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933861	Description / Location: Tan Mastic			Layer No.: 2
Client No.: 700-231.3-39A	NE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933862	Description / Location: Tan Cove Base			
Client No.: 700-231.4-39B	NE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4933862	Description / Location: Tan Mastic			Layer No.: 2
Client No.: 700-231.4-39B	NE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0**NY-DOH No. 11021****AIHA-LAP, LLC No. 100188**

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza**Date:** 3/7/2013

**CERTIFICATE OF ANALYSIS
(Revised)****Client:** Environmental Testing & Consul
38900 Huron River Dr.
Romulus MI 48174**Report Date:** 3/8/2013
Report No.: 298328
Project: 5447 Woodward
Project No.: 144563**BULK SAMPLE ANALYSIS SUMMARY****Lab No.:** 4933863
Client No.: 700-231.1-39C**Description / Location:** Tan Cove Base
NE Corner

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0**NY-DOH No. 11021****AIHA-LAP, LLC No. 100188***This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.***Analytical Method:**

EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.**Analysis Performed By:** M. Mirza**Date:** 3/7/2013

Chain of Custody

–Bulk Asbestos–

Contact Information

Client Company: ETC Environmental Services
Office Address: 38900 Huron River Drive
City, State, Zip: Romulus, MI 48174
Fax Number: 734-955-6604
Email Address: results@2etc

Project Number: 144563
Project Name: 5447 Woodward
Primary Contact: Leo Wall
Office Phone: 734-955-6600
Cell Phone: 734-649-9682

PLM Instructions:

- PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993
 PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982
 PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985
 PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002
 PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010
 TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009
- PLM: Point Counting
 PC: via ELAP 198.1
 PC: 400 Points
 PC: 800 Points *
 PC: 1600 Points *
- PLM: Analyze Until Positive (Positive Stop)
 AUP: by Homogenous Area as Noted
 AUP: by Material Type as Noted
 PLM: NOB via 198.6
 PLM: Friable via EPA 600 2.3
 If <1% by PLM, to TEM via 198.4 *
 If <1% by PLM, Hold for Instructions
- PLM: Instructions for Multi-Layered Samples
 Analyze and Report All Separable Layers per EPA 600
 Report Composite for Drywall Systems per NESHAP
 Report All Layers and Composite Where Applicable
 Only Analyze and Report Specifically Noted Layer
- PLM: Non-Building Material *** (Dust, Wipe, Tape)
 Soil or Vermiculite Analysis *
 CARB 435

Special Instructions: ** SEE Attached Paperwork **

* Additional charge and turnaround may be required ** Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory

Turnaround Time

Preliminary Results Requested Date: _____
 Verbal Email Fax
 10 Day 5 Day 3 Day 2 Day 1 Day* 12 Hour** 6 Hour** RUSH***
Specific date / time

* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***

Chain of Custody

Relinquished (Name/Organization): <u>WMI / ETC</u>	Date: <u>3-1-13</u>	Time: <u>14:25</u>
Received (Name / iATL): _____	Date: _____	Time: _____
Sample Login (Name / iATL): <u>[Signature]</u>	Date: <u>3/1/13</u>	Time: _____
Analysis (Name(s) / iATL): <u>[Signature]</u>	Date: <u>3/7/13</u>	Time: <u>MAR - 4 2013</u>
QA/QC Review (Name / iATL): <u>[Signature]</u>	Date: <u>3-7-13</u>	Time: _____
Archived / Released: _____	QA/QC InterLAB Use: _____	Date: _____

RECEIVED
IATL - By [Signature]

Asbestos Material Sampling Summary Sheet

Job #:

Building: 5447 Woodward, Detroit

Date: 2/28-3/1/13

Material ID	Description	Sample Letter	MATERIAL NUMBER + Sample Location Include: Floor, Room #, Room name, and exact sample location	Quantity	Material Located throughout bldg (Please List all Rooms)	Overall condition of material (good, fair, bad)
	Material: Floor Tile Size: 9x9 Color: Dk grey, grey, black Description: Slashes	T, S, M A B C	700-012-01A NE CORNER BEHIND DOOR 700-005-01B W WALL 4' N OF S WALL 700-000.1-01C NW CORNER		4933745 4933746 4933747	
	Material: Mastic Size: Color: BIK. Description:	T, S, M A B C	700-012-02A NE CORNER BEHIND DOOR 700-005-02B W WALL 4' N OF S WALL 700-000.1-02C NW CORNER		4933748 4933749 4933750	
	Material: Duct Insulation Size: 3" Color: Description:	T, S, M A B C	700-005-03A 1' S OF N WALL 3' E OF W WALL 700-018-03B AT N WALL 1 1/2' W OF E WALL 700-123.1-03C N OF MECH. CHASE DOOR		4933751 4933752 4933753	
	Material: Duct Joint Insul Size: 1 1/2" Color: Description:	T, S, M A B C	700-005-04A AT S WALL 4' E OF W WALL 700-000.1-04B S E CORNER 700-123.1-04C N OF MECH. CHASE DOOR		4933754 4933755 4933756	
	Material: Duct Insulation Size: Color: GRAY Description:	T, S, M A B C	700-018-05A E FAN UNIT 5' N OF S WALL 4' W OF E WALL 700-018-05B W FAN UNIT 2' E OF W WALL 8' N OF S WALL 700-018-05C E FAN UNIT 1' S OF N WALL 5' W OF E WALL		4933757 4933758 4933759	

Double boxed areas must be completed for Demolition and OSHA surveys only.

Asbestos Material Sampling Summary Sheet

Job #:

Building: 5447 Woodward, Detroit

Date: 2/28-3/1/13

Material no.	Description	Sample Letter	MATERIAL NUMBER & Sample Location Includes: Floor, Room #, Room name, and exact sample location	Quantity	Material Located throughout bldg (Please List all Rooms)	Overall condition of material (good, fair, bad)
	Material: Ceiling Tile Size: 1 X 1 Color: White Description: SLASHES	T, S, M A B C	100-234-06A 4' S OF N WALL 16' W OF E WALL ABOVE DROP CEILING 100-100-2-06B AT E WALL 12' N OF S WALL 100-219-06C ABOVE WINDOWS E WALL S CORNER		4933760 4933761 4933762	
	Material: Glue Pod Size: Color: Beige Description:	T, S, M A B C	100-234-07A 4' S OF N WALL 16' W OF E WALL ABOVE DROP CEILING 100-100-3-07B ACCESS PANEL 100-219-07C ABOVE WINDOWS E WALL S CORNER		4933763 4933764 4933765	
	Material: Floor Tile Size: 9x9 Color: TAN Description: w/ CRACK SPOTS	T, S, M A B C	100-234-08A CORNER 100-200-1-08B AT E WALL 20' S OF N WALL 100-200-08C AT TOP OF STAIRS		4933766 4933767 4933768	
	Material: Mastic Size: Color: Description:	T, S, M A B C	100-234-09A NE CORNER 100-200-1-09B AT E WALL 20' S OF N WALL 100-200-09C AT TOP OF STAIRS		4933769 4933770 4933771	
	Material: Ceiling Panel Size: 2x2 Color: White Description: ROUGH FINISH	T, S, M A B C	100-112-10A 6' N OF S WALL 4' W OF E WALL 100-117-10B 3' S OF N WALL 6' W OF E WALL 100-120-10C AT S WALL 6' W OF E WALL		4933772 4933773 4933774	

Double boxed areas must be completed for Demolition and OSHA surveys only.

3/22/11

Revised

Asbestos Material Sampling Summary Sheet

Job #:	Building: 5447 Woodward, Detroit		Date: 2/28-3/1/13	Quantity	Material Located throughout bldg (Please List all Rooms)	Overall condition of material (good, fair, bad)
Material no.	Description	Sample Letter	Sample Location Include: Floor, Room #, Room name, and exact sample location	Quantity	Material Located throughout bldg (Please List all Rooms)	Overall condition of material (good, fair, bad)
X	Material: Cove Base	T, S, M	700-217-11A NW Corner		4933775	
	Size: Color: Black	B	700-229-11B SW Corner		4933776	
	Description:	C	700-000.1-11C NW Corner		4933777	
X	Material: Cove Base Mastic	T, S, M	700-217-12A NW Corner		4933778	
	Size: Color: Beige	B	700-229-12B SW Corner		4933779	
	Description:	C	700-000.1-12C NW Corner		4933780	
X	Material: Ceiling Tile	T, S, M	700-200-13A NW Corner		4933781	
	Size: 1x1 Color: White	B	700-232-13B NE Corner		4933782	
	Description: holes	C	700-005-13C SE Corner		4933783	
X	Material: Glue Pod	T, S, M	700-200-14A NW Corner		4933784	
	Size: Color: Brown	B	700-232-14B NE Corner		4933785	
	Description:	C	700-005-14C SE Corner		4933786	
X	Material: Floor Tile	T, S, M	700-234.3-15A SW Corner		4933787	
	Size: 9x9 Color: White	B	700-234.4-15B NW Corner @ Door to 234.2		4933788	
	Description: Brown spots	C	700-234.4-15C SW Corner @ Door to 234.5		4933789	

Double boxed areas must be completed for Demolition and OSHA surveys only.

2/22/11

Revised

Asbestos Material Sampling Summary Sheet

Job #:	Building: 5447 Woodward, Detroit			Date: 2/28-3/1/13	Material Located throughout bldg (Please List all Rooms)	Quantity	Overall condition of material (good, fair, bad)
Material no.	Description	Sample Letter	Sample Location Include: Floor, Room #, Room name, and exact sample location				
X	Material: Mastic	A	700-234.3-16A SW Corner	T, S, M	4933790		
	Size:	B	700-234.4-16B NW corner @ Door to 234.2		4933791		
	Color: Beige	C	700-234.4-16C SW corner @ Door to 234.2	F NF	4933792		
X	Material: Cove Base	A	700-109-17 ASE Corner	T, S, M	4933793	30 Lin	G
	Size:	B	700-109-17B SW Corner		109 4933794		
	Color: Green	C	700-109-17C NW Corner	F NF	4933795		
X	Material: Cove Base Mastic	A	700-109-18A SE Corner	T, S, M	4933796	✓	↓
	Size:	B	700-109-18B SW Corner		4933797		
	Color: Beige	C	700-109-18C NW Corner	F NF	4933798		
X	Material: Limestone	A	700-188-19A NW Corner	T, S, M	4933799		
	Size:	B	700-133-19B SW corner @ Door		4933800		
	Color: Beige	C	700-100.1-19C SW corner @ Door #0 131	F NF	4933801		
X	Material: Mastic Fire Door	A	700-006-20A NW Corner Door	T, S, M	4933802		
	Size:	B	700-018-20B		4933803		
	Color: Beige White	C	700-013-20C NE Door	F NF	4933804		

Double boxed areas must be completed for Demolition and OSHA surveys only.

Asbestos Material Sampling Summary Sheet

Job #:	Building: 5447 Woodward, Detroit		Date: 2/28-3/1/13	Material Located throughout bldg (Please List all Rooms)	Quantity	Overall condition of material (good, fair, bad)
Material no.	Description	Sample Letter	Sample Location Include: Floor, Room #, Room name, and exact sample location			
	Material: Pipe insulation	A	700-005-21A AT N WALL 2' N OF S WALL	4933805		
	Size: 6" Color: Description:	B	700-000.1-21B SE CORNER	4933806		
Material no.	Description	Sample Letter	Sample Location Include: Floor, Room #, Room name, and exact sample location			
	Material: Pipe Joint insulation	C	700-006-21C NW CORNER 2 FT SOUTH OF N WALL	4933807		
	Size: 6" Color: Description:	A	700-005-22A AT N WALL 2' N OF S WALL	4933808		
Material no.	Description	Sample Letter	Sample Location Include: Floor, Room #, Room name, and exact sample location			
	Material: Pipe insulation	B	700-000.1-22B SE CORNER	4933809		
	Size: 6" Color: Description:	C	700-006-22C @ North wall 17 FT East from NW corner	4933810		
Material no.	Description	Sample Letter	Sample Location Include: Floor, Room #, Room name, and exact sample location			
	Material: Pipe insulation	A	700-000.2-23A 10 FT WEST 4 FT SOUTH FROM NE CORNER	4933811		
	Size: 7-6 Color: Description:	B	700-000-23B SE CORNER	4933812		
Material no.	Description	Sample Letter	Sample Location Include: Floor, Room #, Room name, and exact sample location			
	Material: Pipe Joint insulation	C	700-018-23C 6 FT WEST 1 FT NORTH FROM SE CORNER	4933813		
	Size: 7-6 Color: Description:	A	700-000.2-24A 10 FT WEST 4 FT SOUTH FROM SE CORNER	4933814		
Material no.	Description	Sample Letter	Sample Location Include: Floor, Room #, Room name, and exact sample location			
	Material: Pipe insulation	B	700-020-24B SE CORNER	4933815		
	Size: 7-6 Color: Description:	C	700-018-24C 6 FT WEST 1 FT NORTH FROM SE CORNER	4933816		
Material no.	Description	Sample Letter	Sample Location Include: Floor, Room #, Room name, and exact sample location			
	Material: Plaster	A	700-005-25A 3 FT WEST OF SE CORNER	4933817		
	Size: White Color: Description: with 5/16" coat	B	700-219-25B SE CORNER @ access Panel	4933818		
Material no.	Description	Sample Letter	Sample Location Include: Floor, Room #, Room name, and exact sample location			
	Material: Plaster	C	700-234.5-25C NE CORNER ABOVE CT	4933819		
	Size: White Color: Description: with 5/16" coat					

21

22

23

24

25

Double boxed areas must be completed for Demolition and OSHA surveys only.

3/22/11

Revised

Asbestos Material Sampling Summary Sheet

Job #:	Building: 5447 Woodward, Detroit			Date: 2/28-3/1/13	Quantity	Material Located throughout bldg (Please List all Rooms)	Overall condition of material (good, fair, bad)
Material no.	Description	Sample Letter	Sample Location Include: Floor, Room #, Room name, and exact sample location				
26	Material: Floor Tile	A	700-000-26A @ Door to 004	T, S, M	4933820		
	Size: 9x9	B	700-215-26B @ Door		4933821		
	Color: beige Brown Description: 6ishes	C	700-221-26C SE corner	F NF	4933822		
27	Material: Cove Base	A	700-100.1-27A SE corner	T, S, M	4933823		
	Size: 9x9	B	700-100-27B SW corner		4933824		
	Color: Grey Description:	C	700-117-27C NW corner	F NF	4933825		
28	Material: Cove Base	A	700-215-28A SW corner	T, S, M	4933826		
	Size:	B	700-200-28B @ 219 Door		4933827		
	Color: Brown Description:	C	700-108-28C @ Doorway	F NF	4933828		
29	Material: Cove Base Mastic	A	700-215-29A SW corner	T, S, M	4933829		
	Size:	B	700-200-29B @ 219 Door		4933830		
	Color: Brown Description:	C	700-108-29C @ Doorway	F NF	4933831		
30	Material: Carpet Glue	A	700-216-30A @ Doorway	T, S, M	4933832		
	Size:	B	700-219-30B @ Doorway		4933833		
	Color: Black Description:	C	700-009-30C @ N Doorway	F NF	4933834		

Double boxed areas must be completed for Demolition and OSHA surveys only.

Asbestos Material Sampling Summary Sheet

Job #: Building: 5447 Woodward, Detroit Date: 2/28-3/1/13

Material no.	Description	Sample Letter	Sample Location Include: Floor, Room #, Room name, and exact sample location	Quantity	Material Located throughout bldg (Please List all Rooms)	Overall condition of material (good, fair, bad)
31	Material: Drywall	T, S, M	700-026-31A SW Corner	4933835		
	Size: White		700-128-31B SW corner above ct	4933836		
	Description:	F NF	700-234.6-31C SE Corner	4933837		
32	Material: Drywall Tape	T, S, M	700-026-32A SW Corner	4933838		
	Size: White		700-128-32B SW corner above ct	4933839		
	Description:	F NF	700-234.6-32C SE Corner	4933840		
33	Material: Joint Compound	T, S, M	700-026-33A SW Corner	4933841		
	Size: White		700-128-33B SW corner above ct	4933842		
	Description:	F NF	700-234.6-33C SE Corner	4933843		
34	Material: Floor Tile	T, S, M	700-109-34A SE Corner @ Door	4933845	3rd Floor Hall	
	Size: 12x12		700-220-34B SE corner @ Door	4933846		
	Description: White	F NF	700-217.4-34C NW corner @ Door			
35	Material: Mastic	T, S, M	700-109-35A SE Corner @ Door	4933847		
	Size: Orange		700-220-35B SE corner @ Door	4933848		
	Description:	F NF	700-217.4-35C NW corner @ Door	4933849		

Double boxed areas must be completed for Demolition and OSHA surveys only.

Asbestos Material Sampling Summary Sheet

Job #:	Building: 5447 Woodward, Detroit			Date: 2/28-3/1/13	Quantity	Material Located throughout bldg (Please List all Rooms)	Overall condition of material (good, fair, bad)
Material no.	Description	Sample Letter	Include: Floor, Room #, Room name, and exact sample location	Sample Location	Quantity	Material Located throughout bldg (Please List all Rooms)	Overall condition of material (good, fair, bad)
X	Material: Floor Tile	T, S, M	700-125-36A @ Door SW	A	4933850		
	Size: 12 X 12		700-100-36B 6FT East from Entry TO 100.4	B	4933851		
	Color: Green, Orange, blue	F NF	700-100-36C 11FT West 7FT South from NE corner	C	4933852		
X	Description: Black, white checked	T, S, M	700-100-36D NW corner @ Door to 100.2	D	4933853		
	Material:		700-108-36E SE corner @ Door	E	4933854		
	Size:	F NF					
X	Description:	T, S, M	700-125-37A @ Door SW	A	4933855		
	Material: Mastic		700-100-37B 6FT East from Entry TO 100.4	B	4933856		
	Size:	F NF	700-100-37C 11FT West 7FT South from NE corner	C	4933857		
X	Color: Beige	T, S, M	700-DDS-384 4' N OF S WALL 2' E OF WALL	A	4933858		
	Description:		700-012-38B center @ Ceiling Duct	B	4933859		
	Material: Duct Insulation	F NF	700-000.2-38C SE corner	C	4933860		
X	Size:	T, S, M	700-231.3-39A NE corner	A	4933861		
	Color: BEIGE		700-231.4-39B NE corner	B	4933862		
	Description:	F NF	700-231.1-39C NE corner	C	4933863		

36

37

38

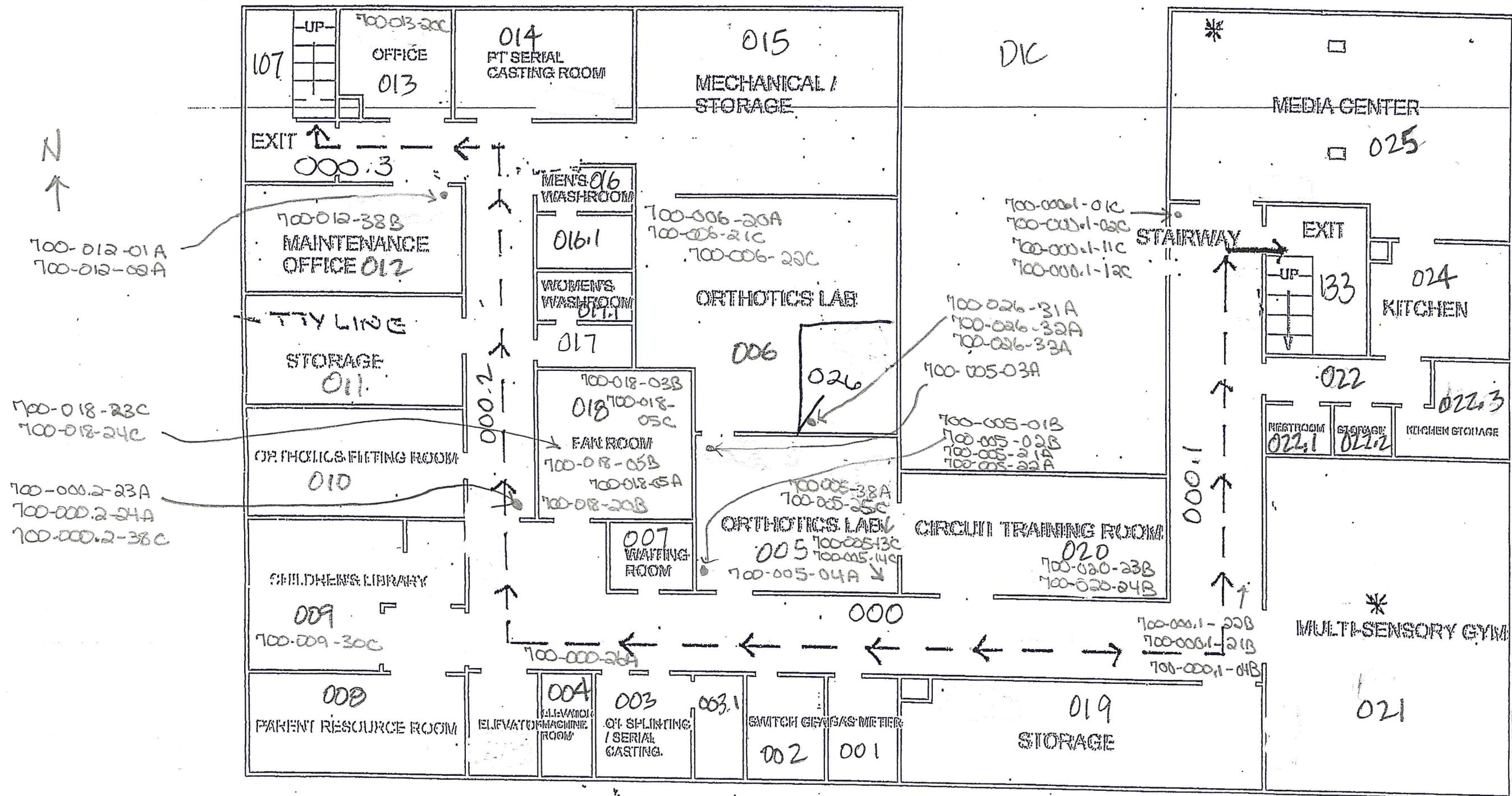
39

APPENDIX E

**BUILDING 700-DETROIT INSTITUTE FOR
CHILDREN**

FACILITY MAPS

THE DETROIT INSTITUTE FOR CHILDREN

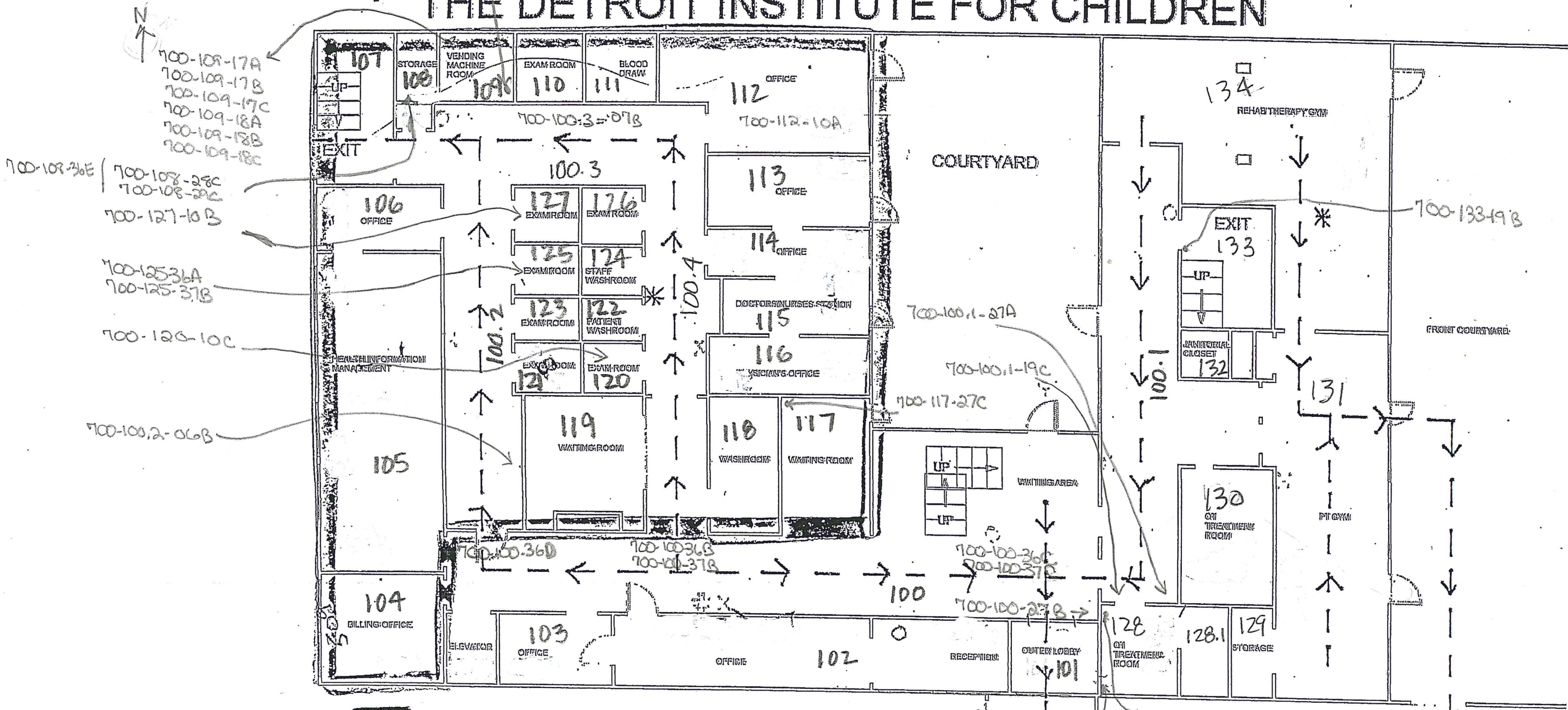


FIRE ESCAPE ROUTES
BASEMENT
* WIRELESS ROUTER

LEGEND
X = Fire Extinguishers
O = Pull Stations

THE DETROIT INSTITUTE FOR CHILDREN

100-104-34A / 100-109-35A



FIRE ESCAPE ROUTES
1st Floor
 * WIRELESS ROUTER

LEGEND:
 X = Fire Extinguisher
 O = Pull Stations
 # = AED

700-109-17A
 700-109-17B
 700-109-17C
 700-109-18A
 700-109-18B
 700-109-18C
 700-109-36E
 700-108-28C
 700-108-29C
 700-127-10B
 700-125-36A
 700-125-37B
 700-126-10C
 700-100,2-06B

700-100,1-27A
 700-100,1-19C
 700-117-27C

700-100-36D
 700-100-36B
 700-100-37B
 700-100-37C
 700-100-27B

700-128-19A
 700-128-31B
 700-128-32B
 700-128-33B

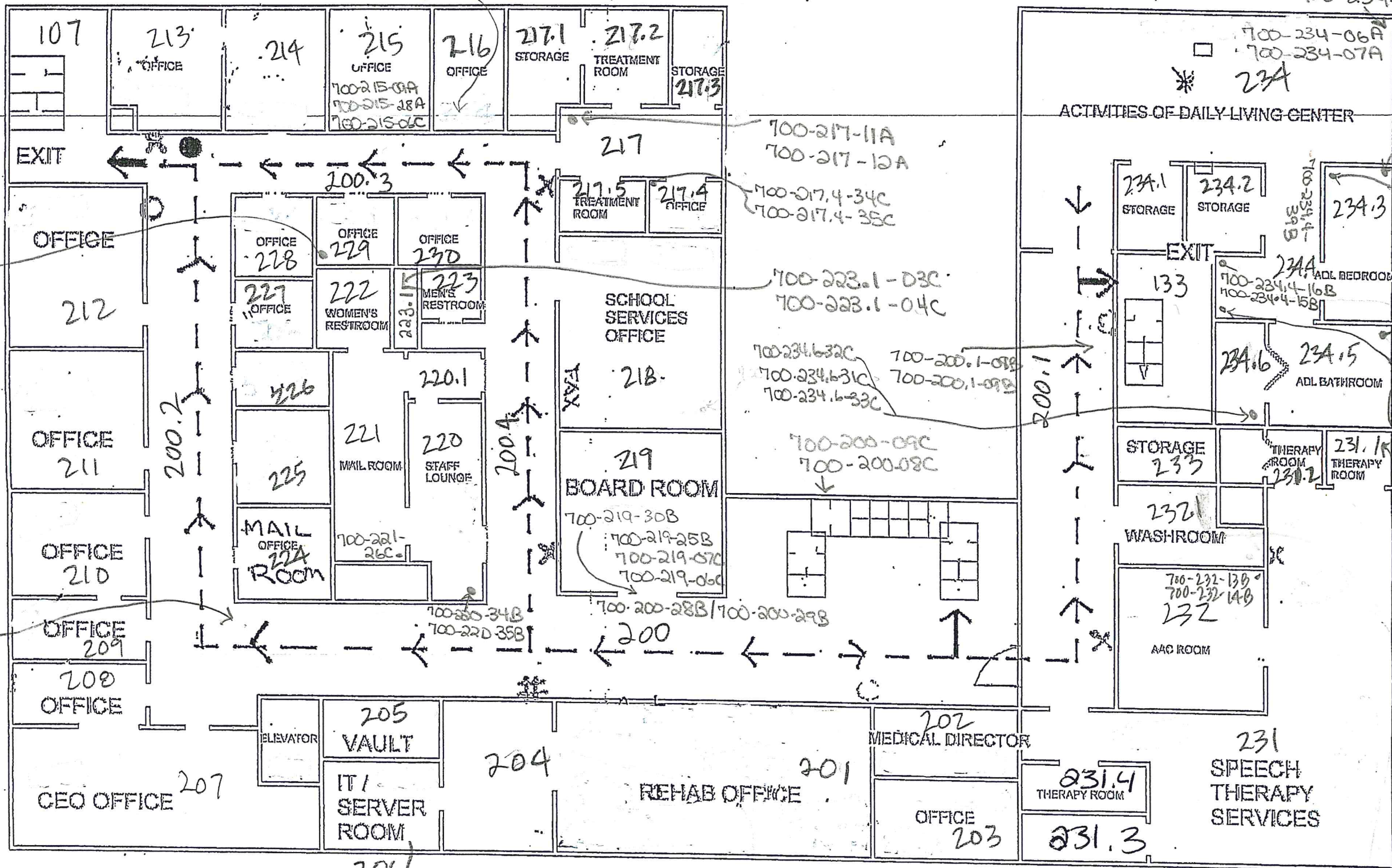
700-133-19B

THE DETROIT INSTITUTE FOR CHILDREN

700-216-30A

700-234-09A

700-234-08A



700-229-11B
700-229-12B

700-200-13A
700-200-14A

FIRE ESCAPE ROUTE 2ND FLOOR

* WIRELESS ROUTER

LEGEND:
X = FIRE EXTINGUISHER
O = PULL STATIONS
= AED

700-231-39A
700-231-39B


APPENDIX F

**BUILDING 700-DETROIT INSTITUTE FOR
CHILDREN**


INSPECTOR CERTIFICATION INFORMATION


State of Michigan
 Department of Licensing and Regulatory Affairs
 Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Contractor/Supervisor



George M. Watkins
 502 Orange Street
 Wyandotte, MI 48192






DOB: 05/03/1961

Accreditation Number **A12543** Expiration Date **05/21/2013**


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. Accreditation card is not valid if altered. **98097**


State of Michigan
 Department of Licensing and Regulatory Affairs
 Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Inspector



George M. Watkins
 502 Orange Street
 Wyandotte, MI 48192





DOB: 05/03/1961

Accreditation Number **A12543** Expiration Date **05/21/2013**

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. **98098**

State of Michigan
 Department of Licensing and Regulatory Affairs
 Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Inspector

Leo P. Wall, III
 22844 Sheridan
 Dearborn, MI 48128

Accreditation Number **A11632** Expiration Date **05/21/2014** DOB: 05/30/1962

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. 104469

State of Michigan
 Department of Licensing and Regulatory Affairs
 Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Management Planner

Leo P. Wall, III
 22844 Sheridan
 Dearborn, MI 48128

Accreditation Number **A11632** Expiration Date **05/21/2014** DOB: 05/30/1962

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. 104471

State of Michigan
 Department of Licensing and Regulatory Affairs
 Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Project Designer

Leo P. Wall, III
 22844 Sheridan
 Dearborn, MI 48128

Accreditation Number **A11632** Expiration Date **05/21/2014** DOB: 05/30/1962

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. 104470

State of Michigan
 Department of Licensing and Regulatory Affairs
 Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Contractor/Supervisor

Leo P. Wall, III
 22844 Sheridan
 Dearborn, MI 48128

Accreditation Number **A11632** Expiration Date **05/21/2014** DOB: 05/30/1962

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. 104472

APPENDIX G

**BUILDING 700-DETROIT INSTITUTE FOR
CHILDREN**

LABORATORY CERTIFICATION INFORMATION



June 1, 2012

Mr. Frank E. Ehrenfeld, III
International Asbestos Testing Labs
9000 Commerce Parkway
Suite B
Mt. Laurel, NJ 08054

NVLAP Lab Code: 101165-0

Dear Mr. Ehrenfeld:

I am pleased to inform you that continuing accreditation for specific test methods in Bulk Asbestos Fiber Analysis (PLM) is granted to your organization under the National Voluntary Laboratory Accreditation Program (NVLAP). This accreditation is effective until June 30, 2013, provided that your organization continues to comply with accreditation requirements contained in the NVLAP Procedures.

Your Certificate of Accreditation is enclosed along with a statement of your Scope of Accreditation. You may reproduce these documents in their entirety and announce your organization's accreditation status using the NVLAP symbol and/or term in business publications, the trade press, and other business-oriented literature. Accreditation does not relieve your organization from observing and complying with any applicable existing laws and/or regulations.

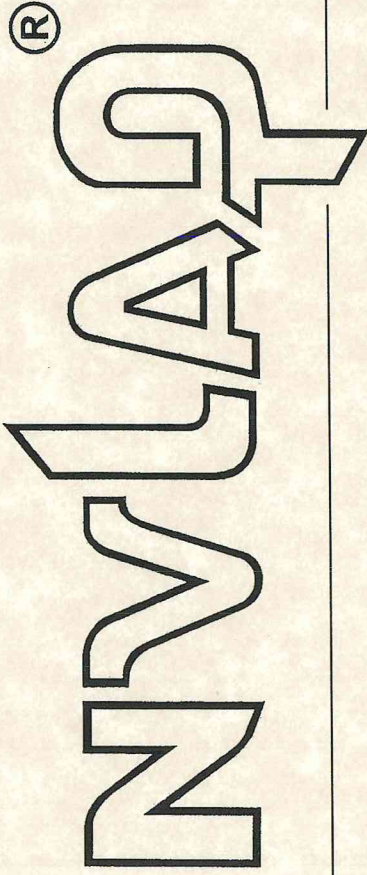
We are pleased to have you participate in NVLAP and look forward to your continued association with this program. If you have any questions concerning your NVLAP accreditation, please direct them to Hazel M. Richmond, Program Manager, Laboratory Accreditation Program, National Institute of Standards and Technology, 100 Bureau Dr. Stop 2140, Gaithersburg, MD 20899-2140; (301) 975-4016.

Sincerely,

Warren R. Merkel, Chief
Laboratory Accreditation Program

Enclosure(s)

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101165-0

International Asbestos Testing Laboratories

Mt. Laurel, NJ

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

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2012-07-01 through 2013-06-30

Effective dates



A handwritten signature in black ink, appearing to read "William R. Milled".

For the National Institute of Standards and Technology



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

International Asbestos Testing Laboratories

9000 Commerce Parkway

Suite B

Mt. Laurel, NJ 08054

Mr. Frank E. Ehrenfeld, III

Phone: 856-231-9449 Fax: 856-231-9818

E-Mail: frankehrenfeld@iatl.com

URL: <http://www.iatl.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 101165-0

NVLAP Code Designation / Description

18/A01 EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

2012-07-01 through 2013-06-30

Effective dates

For the National Institute of Standards and Technology