

ADDENDUM NO. 1

FOR

**INDIANAPOLIS-MARION COUNTY PUBLIC LIBRARY
SHELBY STREET BRANCH**

**2502 Shelby Street
Indianapolis, IN 46203**

**Prepared
For**

**Indianapolis-Marion County Public Library
Library Services Center
2405 N. Meridian
Indianapolis, IN 46208**

April 2, 2011

INDIANAPOLIS-MARION COUNTY PUBLIC LIBRARY

RENOVATION
SHELBY STREET BRANCH

ADDENDUM #1



Date of Issue: April 2, 2011

This Addendum is issued before bidding to inform the Bidders of revisions and/or clarifications to the Bidding Documents and includes all Bid Packages.

All requirements contained in the Bidding Documents shall apply to this Addendum. The general character of the work called for in this Addendum shall be the same as originally set forth in the applicable portions of the Bidding Documents for similar work, unless otherwise specified under this Addendum. All incidental work necessitated by this Addendum, as required to complete the work, shall be included in the bid even though not specifically mentioned in this Addendum.

The Addendum forms a part of, modifies the Bidding Documents and Contract Requirements, the Specifications and the Drawings all dated April 2, 2011 as well as any previous Addendums. This Addendum is hereby made a part of the Bidding Documents and will be included in the Contract.

Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject bidder to disqualification.

To: ALL BIDDERS OF RECORD

CHANGES TO SPECIFICATIONS

ARCHITECTURAL SPECIFICATIONS

- Item-1 Specification Section 00100 – Instructions to Bidders**
 - A. Revised and reissued.
 - Item-2 Specification Section 00300– Bid Form**
 - A. Revised and reissued.
 - Item-3 Specification Section 00500 – Form of Agreement**
 - A. Revised and reissue AIA A101.
 - Item-4 Specification Section 00700 – General Conditions of the Contract**
 - A. Revised and reissue AIA A201.
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Item-5 Specification Section 07421 – Copper Wall Cladding

- A. Revised footer and reissue.

CHANGES TO DRAWINGS

ARCHITECTURAL DRAWINGS

Item-6 AD101 –Demolition Floor Plan (reissued)

- A. Revise Plan Demolition Note 8 & 9 as follows:
“NOT USED.”
- B. Indicate shelves and books to be shrink wrap for protection.
- C. Indicate area for owner equipment storage.
- D. Revise floor plan to show existing conditions at project start.
- E. Indicate items covered in note 4.
- F. Revise Note 20 to indicate existing floor to be protected.

Item-7 A101 –Floor Plan

1. Modify note 34 to indicate Alternate 4.
2. Modify note 20 to read “Lockers – refer to specifications.

RESPONSES TO PRE-BID RFI'S

Item-8 There are 6 alternates, but the bid form has only 4. Please clarify.

- A. There are six (6) alternates. Refer to revised Section 00300 – Bid Form.

Item-9 Please clarify that the project is exempt from Indiana sales and use Taxes?

- A. Project is Tax Exempt.

Item-10 The project manual indicates all bid documents to be submitted in triplicate. Please confirm?

- A. All bid documents to be submitted in triplicate.

Item-11 Spec section 00100 at the top of page 4 indicates the General Conditions are the 2006 Edition. I assume this may be a typo and should read 2007?

- A. This should read 2007. Refer to revised Section 00100

Item-12 The bid form 00300 and the listing of alternates in specification section 01030 do not agree with each other. Can you clarify?

- A. Refer to revised Section 00300. Item F of Section 01030 should read Alternate 6:.

Item-13 I found two specification sections where the headers and footers didn't appear complete in the body of the specifications. I don't know if you want to clarify this or not?

- A. Refer to revised Section 074210 – Copper Wall Cladding. Second questioned section was not found.

Item-14 Will you clarify that the Contractor is to wrap up / protect the existing book collection? Can you clarify which collection area or units will be remaining in the existing building that we will need to protect?

- A. Refer to revised AD101.

-
- Item-15 What is the roofing material to be for the overbuild framing on the back side of the new 2x4 rafter framing at detail 2/S201?**
- A. Roofing material will be a copper hogs back ridge to provide positive slope.
- Item-16 The plan and demolition notes at the exterior wall opening to be infilled on the west elevation at the SW corner area reference to infill with brick to match existing. Can you clarify exterior material and also address what the other wythe of masonry material behind this exterior masonry veneer is to be? I am assuming CMU but not sure.**
- A. Existing drawings indicate "Rubble Stone Veneer, use corrugated G.I. wall ties at 16" o.c. vert. & horiz. (nail to studs); 2"x4" studs 16" o.c. Fiberclass Batt insulation wall construction". Match existing.
- Item-17 Can you clarify the construction completion dates on this project?**
- A. Dates are as indicated. Refer to AIA Document A201 - General Conditions of the Contract for Construction for substantial and final completion clarification.
- Item-18 Please confirm that the Owner will pay for utility consumption during the construction process.**
- A. Utility consumption is covered by Owner during the construction process .
- Item-19 Please provide most recent Wage Determination rates to be used for bidding purpose.**
- A. Refer to attached Wage Determination rates.
- Item-20 We see note call out for Note 8/AD101. Please clarify area(s), if any where Note 8 applies?**
- A. Not used.
- Item-21 We see note call out for Note 9/AD101. Please clarify area(s), if any where Note 8 applies?**
- A. Not used.
- Item-22 We see note call out for Note 4/AD101. Please clarify area(s), if any where Note 8 applies?**
- A. Refer revised AD101 for location.
- Item-23 Please clarify where equipment to be turned over to owner (Note 12/AD101) is to be left and/or delivered.**
- A. Refer revised AD101 for location.
- Item-24 Please confirm that Contractor is to shrink wrap all existing shelving and books which are to remain.**
- A. Refer revised AD101.
- Item-25 Please clarify what will and/or will not be left in building after the Owner vacates the premises.**
- A. Refer revised AD101.
- Item-26 I would recommend you consider carpet protection for the Carpet to Remain (Note 20/AD101).**
- A. Refer revised AD101, note 20.
- Item-27 Floor plan note 32 indicates that the owner furnishes and installs lockers. There is the speciation section for lockers. Can you clarify who's responsible for the lockers?**
- General Contractor. Note to read "Lockers - refer to specifications".
-

Item-28 Floor plan note 34 refers to the walk off mat as alternate 3. I am assuming alternate 4 is correct for this?

Alternate 4 is the correct alternate number.

Item-29 Will some of the existing ceiling system need to be removed and perhaps new installed towards the front of the building and above the front vestibule area in addition to that area shown by demo note number 7 on AD401 to facilitate installing the new (3) 2x12 rafter?

Structural Engineer will review extend of demolition. Answer forth coming.

Item-30 I am not finding any details of the jamb / mullions of the alternate bid W3 windows at the roof area that tells me the details / materials that these areas are built and finished with. Can you provide this information?

Refer 07 & 08 / A501 and 05/A201.

ATTACHMENTS:

1. Pre-Bid Meeting Minutes
2. Section 00100
3. Section 00500
4. Section 00700
5. Section 074210
6. AIA A101 - AIA 2007 Agreement
7. AIA A201 - AIA 2007 General Condition
8. Asbestos Survey Report (27 pages)
9. Lead-Based Paint Survey Report (12 pages)
10. Common Construction Wage Scale (6 pages)
11. Sheet AD101- Demolition Floor Plan

END OF ADDENDUM NO. 1



Pre-Bid Meeting REPORT

618 East Market Street Indianapolis, Indiana 46202 Phone: 317.264.8162 Fax:
317.264.8165 www.axisarch.com

PROJECT: IMCPL - Shelby Branch
AXIS PROJECT NUMBER: xxxxxx

LOCATION: Shelby Branch
TIME: 10:00am

MEETING DATE: April 28, 2011

PARTICIPANTS: Kevin Cooper Axis Architecture
Vic Fritz Axis Architecture
Mike Coghlan IMCPL
Reference Attached
Sign In Sheet

REPORT BY: Kevin Cooper

THE FOLLOWING INFORMATION WAS OBSERVED BY THE ABOVE MENTIONED PARTICIPANTS ON THE DATE AND TIME AT THE PROJECT SITE NOTED ABOVE:

THE PURPOSE OF THE MEETING WAS THE PRE-BID WALK THRU FOR POTENTIAL BIDDERS.

1. Introductions of the design team members and Owner's representatives were presented to the bidders.
2. Bid Documents are available at Reprographix and through their Online Plan Room.
3. The Owner approved that Reprographix can provide the bid documents on discs. A non-refundable charge will be applied by Reprographix.
4. Addendum #1 will be released Monday, May 2. In the meantime, questions can be submitted by email to Axis, or direct contact with Kevin Cooper or Vic Fritz.
5. The addendum will include an alternate for a HVAC controls package.
6. Additional information will be provided for doors that require access control and the new louver shown in the existing mechanical room.
7. Bids are due Friday, May 6 at 2:00pm at the Library Services Center, 2450 North Meridian.
8. Successful bid will be awarded at the IMCPL Board Meeting on May 19th at 6:30pm.
9. The anticipated construction start date is July 11, 2011.
10. Substantial Completion will be October 21, 2011.
11. Kevin Cooper presented the scope of the project and reviewed the current list of alternates.
12. Mike Coghlan presented how the job site will be prepared for construction. IMCPL will remove collections as required that are in the areas of construction, along with all equipment and computers. The majority of the bookshelves and collections will be left in place. The contractor is responsible for wrapping and protecting all shelving units and loose furnishings during construction.
13. A majority of the existing carpet will remain and the contractor is responsible for protecting the existing carpet during construction.
14. The Library will have a trailer on site that will serve as a temporary library with limited services to the patrons. Only a few parking spaces will be required for the temporary trailer and the contractor will have access to all remaining parking areas.

AXIS WILL PROCEED IN RELIANCE ON THIS REPORT. ANY DISCREPANCIES SHOULD BE BROUGHT TO OUR ATTENTION IN WRITING WITHIN SEVEN (7) DAYS.



Pre-Bid Meeting REPORT

618 East Market Street Indianapolis, Indiana 46202 Phone: 317.264.8162 Fax:
317.264.8165 www.axisarch.com

15. The contractor will have full access to the building and may utilize an area within the building for the job office.
 16. An environmental report will be provided in addendum #1. The Library will be removing/remediation of items identified in the report prior to construction beginning.
 17. The project will be exempt from State taxes.
 18. Additional details on the dormer/light monitor will be provided in addendum #1.
 19. If bidders need access to the building prior to bidding, they should contact Mike Coghlan with the library. His main office number is 317-275-4830.
- END OF REPORT

AXIS WILL PROCEED IN RELIANCE ON THIS REPORT. ANY DISCREPANCIES SHOULD BE BROUGHT TO OUR ATTENTION IN WRITING WITHIN SEVEN (7) DAYS.

SECTION 00100 INSTRUCTIONS TO BIDDERS

1.01 DEFINITIONS

- A. All definitions set forth in the General Conditions of the Contract for Construction, AIA Document A201, 2007 Edition, as modified for the project for which bids are being solicited herein, are applicable to these Instructions to Bidders.
- B. Bidding Documents include the Notice to Bidders, Instructions to Bidders, the Bid Form and the Contract Documents including all issued Addenda.
- C. Addenda are written or graphic instruments issued which modify or interpret the Bidding Documents, including Drawings and Specifications, by additions, deletions, clarifications, or corrections. Addenda shall become part of the Contract Documents when the Construction Contract is executed.

1.02 BASE OF BID

- A. No segregated bids, voluntary alternates, or assignments will be considered.

1.03 BIDDING DOCUMENTS

- A. Complete sets of Bidding Documents may be obtained by Bidders as described and stated in the Notice to Bidders.
- B. Bidders will have their deposit refunded, as described and stated in the Notice to Bidders. The cost of replacement of any missing or damaged prints, pages, or documents of returned Bidding Documents and all mailing costs will be deducted from the Bidder's deposit. The Bidder with whom a Contract will be signed may retain the Bidding Documents and will have his deposit returned.
- C. Bidding Documents will be issued to Bidders (as listed in the Notice to Bidders). Bidders in their preparation of Bids shall be responsible for all errors, omissions, or misinterpretations resulting from the use of incomplete sets of Bidding Documents.
- D. The Owner or the Architect, in making copies of the Bidding Documents available on the above terms, do so only for the purpose of obtaining Bids on the Work. They do not confer or grant a license for any other use.

1.04 BIDDERS PRESENTATION

- A. Each Bidder by making his Bid represents that he has read and understands the Bidding Documents.
- B. Each Bidder by making his Bid represents that he has visited the site and familiarized himself with the local conditions under which the work is to be performed.

1.05 EXAMINATION OF BIDDING DOCUMENTS & THE PROJECT SITE

- A. Each Bidder shall examine the Bidding Documents carefully and shall not later than seven (7) days prior to receipt of Bids make written request to the Architect for interpretation or correction of any ambiguity, inconsistency or error therein which he may discover. Interpretations or corrections will be issued as an Addendum by the Architect. Only a written interpretation or correction by Addendum shall be binding. No Bidder shall rely upon any interpretation or correction given by any other method.
- B. Bidders shall carefully examine the project site to obtain firsthand knowledge of existing conditions. The successful Bidder will not be given extra payments for conditions, which can be determined by examining the project site.
- C. A Pre-bid meeting will be held where and when noted in the Notice to Bidders.

1.06 BIDDING PROCEDURES

- A. Bids shall be prepared in triplicate on the Bid Form provided as modified and included herein and be submitted in a sealed, opaque envelope, identified with Project name and name of Bidder.
- B. Bids shall have the amounts written with ink or typewriter in words and figures. Should discrepancies occur between the two, the amount written in words shall prevail as the Bid. Bids shall not contain alterations or erasures.
- C. Bids shall be signed with name typed below signature. Where Bidder is a corporation, Bids must be signed with the name of the corporation followed by the name of the State of Incorporation and the legal signature of an officer authorized to bind the Corporation to a contract.
- D. Any Bid not signed by the individual submitting same shall have attached to it a Power of Attorney evidencing authority to sign the Bid in the name of the person for whom it is signed.
- E. A Bid is invalid if it has not been deposited at the designated location prior to the time and date for receipt of bids indicated in the NOTICE TO BIDDERS or prior to an extension thereof issued to the Bidders.
- F. No Bidder shall modify, withdraw, or cancel his bid or any part thereof for 60 days after the time designated for the receipt of bids in the Notice to Bidders.

1.07 SUBSTITUTIONS

- A. Each Bidder represents that his Bid is based upon the materials and furnishings described in the Bidding Documents.
- B. No substitution will be considered unless written request has been submitted to the Architect for Approval at least seven (7) days prior to the date for receipt of Bids. Each such request shall include a complete description of the proposed substitute, the name of the material or equipment for which it is to be substituted, drawings, manufacturer's cut sheets, performance and test data and any other data or information necessary for a complete evaluation.

- C. If the Architect approves the proposed substitution; such approval will be set forth in an Addendum.
- D. Voluntary substitutions or alternates shall not be submitted with the Bid.
- E. Receipt of all Addenda shall be acknowledged on the Bid Form.

1.08 BID SECURITIES

- A. Each Bidder shall furnish with his Bid, a Bid Security in the form of a certified check or a Bid Bond, in an amount not less than 5% of the total Bid submitted, made payable to the Indianapolis-Marion County Public Library.
- B. If, in the event for any reason whatever, the successful Bidder fails to enter into a Contract within 10 days after being awarded same, the Owner shall have the right to declare the forfeiture of the Bid Security as liquidated damages. The Owner may accept the next lowest, responsible, and responsive Bidder or re-advertise, as may be deemed best.
- C. All Bid Securities, except those of the 3 lowest Bidders will be returned within five (5) days after the Bids have been officially opened.

1.09 QUALIFICATION OF BIDDERS

- A. If required, a Bidder shall submit to the Architect a properly executed Contractor's Qualification Statement, AIA Document A305.

1.10 REJECTION OF BIDS

- A. The bidder acknowledges the right of the Owner to reject any or all Bids and to waive any informality or irregularity in any Bid received. In addition, the Bidder recognizes the right of the Owner to reject a Bid if the Bidder fails to furnish the required Bid Security, or to submit the data required by the Bidding Documents, or if the Bid is in any way incomplete or irregular.

1.11 AWARD OF CONTRACT

- A. The Contract shall be deemed to have been awarded when Notice of Intent to Award Contract / Notice to Proceed has been duly served to the Bidder by any Officer or Agent of the Owner duly authorized to give such notice. Before the Contract becomes valid, the Bidder must provide all necessary bonds, insurance, and other information herein required.
- B. The Contract will be awarded to the lowest, most responsive and responsible Bidder. The Owner will consider and may elect to accept Alternates in determining the lowest, most responsive and responsible bid.
- C. The Owner reserves the right to consider time of completion as a factor in determining the lowest, most responsive and responsible Bidder.

1.12 CONTRACT FORM AND TIME OF COMPLETION

- A. Contract Form between Owner and Contractor shall be the AIA Form A101, 2007 Edition, Agreement Between Owner and Contractor, as modified for the project for which bids are being solicited herein, (refer to Section 00500). The General Conditions of the Contract for Construction shall be the AIA Form A201, 2007 Edition, as modified for the project for which bids are being solicited herein, (refer to Section 00700).
- B. It is anticipated that a Contract will be executed with the Contractor shortly after receipt of Bids.
- C. The Contractor will commence his work on site upon turn over by the Owner. The anticipated turn over date is July 13, 2011. Contractor will begin his work site immediately on that date.
- D. On the Bid Form, the Contractor shall include a stipulated period of time for the successful completion of the Work, including a date for Substantial Completion. The Owner maintains the right to consider the Substantial Completion date when evaluating Bids.

1.13 SUBMISSION OF POST-BID INFORMATION

- A. Within 24 hours after Bids have been opened, the low Bidder or Bidders as requested shall submit in writing the following:
 - 1. Two copies of the Schedule of Unit Prices, if applicable.
 - 2. The Bidder may be required to establish to the satisfaction of the Architect and the Owner the reliability and responsibility of the proposed Sub-contractors or Manufactures to furnish and perform the Work described in the Sections of the Specifications.
 - 3. Prior to the award of the Contract, the Architect will notify the Bidder in writing if either the Owner or the Architect, after due investigation, has reasonable and substantial objection to any Manufacturer on such list unless such Manufacturer was requested by the Bidder prior to bidding and approved by Addendum.
 - 4. Sub-contractors or Manufacturers proposed by the Bidder and accepted by the Owner and the Architect must be used for the Work for which they were proposed and accepted and shall not be changed except with the written approval of the Owner and the Architect.
 - 5. Two copies of the M/WBE Plan or application for M/WBE waiver.

1.14 PERFORMANCE BOND & LABOR/MATERIAL PAYMENT BOND & CERTIFICATE OF INSURANCE

- A. The successful Bidder shall, prior to the execution of the Contract, furnish bonds, in the full amount (100%) of his total Contract Price, covering the faithful performance of the Contract and the payment of obligations arising thereunder, and with such sureties secured through the Bidder's usual sources as may be agreeable to the Owner. The Performance Bond shall be AIA A311, and the Payment Bond shall be AIA A312. Said bond shall remain in full force and effect for a period of at least two (2) years after date of Substantial Completion.
- B. Premiums shall be paid by the Bidder. The Bidder shall deliver the required bonds to the Owner not later than the date of execution of the Contract.

- C. The Bidder shall require the attorney-in-fact who executes the required bonds on behalf of the surety to affix thereto a certified and current copy of his power of attorney indicating the monetary limit of such power.
- D. The Bidder shall furnish Certificates of Insurance covering Workman's Compensation, Public Liability, Property Damages and all others, as stated in the Supplementary Conditions (Section 00800) not later than the date of execution of the Contract.

1.15 SUB-CONTRACTS

- A. All subcontracts shall be prepared on Standard AIA Documents. The Contractor shall submit copies of any and all subcontracts at the request of the Owner.

1.16 OWNER'S TAX STATUS

- A. Material, equipment, and tangible property or services purchased by Contracts with the Owner that become a permanent part of the structure or facilities constructed are exempt from the Indiana Sales Tax. All materials, equipment, small tools, and supplies to be purchased in the name of the Owner shall become the property of the Owner. The Owner will provide the tax exemption number to the Contractor.

1.17 ADDENDA

- A. Additional information required by the Bidders, revisions in the Work, changes or additions, correction of discrepancies in the Bidding Documents, or clarifications shall be in the form of Addenda. Addenda will be emailed, faxed, or delivered to each entity recorded by the Architect as having received the Bidding Documents. Addenda will be available for inspection wherever the Bidding Documents are kept available for that purpose.
- B. All Addenda shall become a part of the Bidding Documents. Bidders shall list by number and date on the Bid Form, all Addenda, which have been received prior to submission of his Bid. All Bids shall include all Work described by all such Addenda. It shall be the Bidder's responsibility to determine that he has received all Addenda, since no extra costs will be allowed by failure of the Bidder to do so.
- C. A Bidder in doubt as to the true meaning of any part of the Bidding Documents may submit, no later than seven (7) days prior to the date set for receipt of Bids, a written request of the Architect for an interpretation. All interpretations of the Bidding Documents shall be made by written Addenda.

END OF SECTION

SECTION 00300 - BID FORM

(Type or print all required information)

Bid Date: _____

Owner: Indianapolis-Marion County Public Library
2450 N. Meridian Street
Indianapolis, IN 46208

Bidder: _____

Address: _____

City/State: _____

Telephone Number: _____

Agent of Bidder (if applicable): _____

Email address: _____

Bid Security in the amount of 5% of the total bid amount, is enclosed. Pursuant to notices given the undersigned will provide all labor and material for the complete construction of:

Shelby Branch Library Renovation Project
Indianapolis-Marion County Public Library
2502 Shelby Street
Indianapolis, IN 46203

In accordance with Bidding Documents prepared by:

Axis Architecture & Interiors
618 East Market Street
Indianapolis, IN 46202

I/We have received and thoroughly reviewed the bidding documents for the above project and have thoroughly examined the site. I/We have also received and reviewed Addenda listed below, and have included their provisions in my bid.

Addenda Received: _____

COMPLETION TIME:

I/we will substantially complete the work under this contract within _____ calendar days from the date the Project Site is made available for work (July 13, 2011,) assuming that we are not delayed by work stoppages or other causes beyond our control.

BASE BID:

The undersigned bidder, with complete understanding of the requirements of the bidding documents shall complete the work in full for the Base Bid for the **LUMP SUM PRICE** of:

	\$
(Amount in words)	(Numerals)

ALTERNATES:

The undersigned bidder, with complete understanding of the requirements of the bidding documents shall complete the work in full for each Alternate for the **LUMP SUM PRICE** of:

Alternate 1: New Dormer/Light Monitor.

	\$
(Amount in words)	(Numerals)

Alternate 2: New 3-Form end panels.

	\$
(Amount in words)	(Numerals)

Alternate 3: New Plastic Laminate Counter Tops.

	\$
(Amount in words)	(Numerals)

Alternate 4: New recessed walk-off floor system.

	\$
(Amount in words)	(Numerals)

Alternate 5: New Boiler system.

	\$
(Amount in words)	(Numerals)

Alternate 6: New MEP control system.

	\$
(Amount in words)	(Numerals)

EXPERIENCE QUESTIONNAIRE:

1. What public works projects has your organization completed for the period of three (3) years prior to the date of the current bid?

Contract Amount	Class of Work	Completion Date	Name and address of Owner

2. What public works projects are now in process of construction by your organization?

Contract Amount	Class of Work	Scheduled Completion	Name and address of Owner

NON COLLUSION AFFIDAVIT:

The undersigned Vendor or agent, being duly sworn on oath, says that they have not, nor have any other member, representative, or agent of the firm, company or corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone at such letting nor to prevent any person from bidding nor to induce anyone to refrain from bidding, and that this bid is made without reference to any other bid and without any agreement, understanding or combination with any other person referring to such bid.

Further, the undersigned Vendor or agent says that no person or persons, firm, or corporation has, have or will receive directly or indirectly, any rebate, fee, gift, commission or thing of value on account of such bid.

IN TESTIMONY WHEREOF, THE VENDOR (AN INDIVIDUAL) HAS HEREUNTO SET HIS HAND this _____ day of _____, 2011.

By: _____

(Signature)

(Printed Name)

IN TESTIMONY WHEREOF, THE VENDOR (A CORPORATION) HAS CAUSED THIS BID TO BE SIGNED BY ITS PRESIDENT AND SECRETARY AND AFFIXED ITS CORPORATE SEAL this _____ day of _____, 2011.

(Name of Corporation)

By: _____ By: _____

President

Secretary

(Printed Name)

(Printed Name)

IN TESTIMONY WHEREOF, THE VENDOR (A PARTNERSHIP) HAS CAUSED THIS BID TO BE SIGNED BY EACH GENERAL PARTNER this _____ day of _____, 2011.

Name of Partnership: _____

By: _____ By: _____
Partner Partner

(Printed Name) (Printed Name)

SECTION 00500 FORM OF AGREEMENT

GENERAL

1.01 CONTRACT FORM

- A. The Contract upon which the agreement for construction of this project will be based is AIA Document A101, Agreement Between Owner and Contractor, 2007 Edition, as modified for the project for which bids are being solicited herein,.
- B. The contract form is referenced as a part of this section.

END OF SECTION

SECTION 00700 - GENERAL CONDITIONS

GENERAL

1.01 STANDARD DOCUMENT

- A. The General Conditions for this project are the AIA Document A201, General Conditions of the Contract for Construction, 2007 Edition, as modified for the project for which bids are being solicited herein, hereinafter referred to as "The AIA General Conditions".
- B. The AIA General Conditions is included as part of this section.

1.02 MODIFICATIONS OF THE AIA GENERAL CONDITONS

The AIA General Conditions will be modified for the project for which bids are being solicited herein and all such modifications will be made directly within the body of The AIA General Conditions (document A201).

END OF SECTION

PART 1—GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Horizontal siding.

- B. Related Requirements:
 - 1. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
 - 2. Division 05 Sections for structural and light-gauge framing.
 - 3. Division 06 Section for wall sheathing.
 - 4. Division 07 Section "Thermal Insulation" for wall insulation.
 - 5. Section 076210 - Manufactured Copper Roofing Specialties: Accessories on roof other than mechanical and structural items.
 - 6. Section 076215 - Copper Flashing and Trim: Flashing and other trim not part of roofing.
 - 7. Division 07 Section "Joint Sealants" for field-applied panel sealants.
 - 8. Wood framing and decking is specified in a Division 06 Section.

1.2 COORDINATION

- A. Coordinate copper wall cladding with wall air retarders and rain drainage work, including, flashing, gutters, downspouts, trim and construction to provide permanently watertight, secure, and noncorrosive installation.

1.3 PERFORMANCE REQUIREMENTS

- A. Installation Requirements: Fabricator is responsible for installing system, including anchorage to substrate and necessary modifications to meet specified and drawn requirements and maintain visual design concepts in accordance with Contract Documents and following installation methods as stipulated in the "Copper in Architecture" handbook published by the Copper Development Association Inc. (CDA)
 - 1. Drawings are diagrammatic and are intended to establish basic dimension of units, sight lines, and profiles of units.
 - 2. Make modifications only to meet field conditions and to ensure fitting of system components.
 - 3. Obtain Architect's approval of modifications.
 - 4. Provide concealed fastening wherever possible.
 - 5. Attachment considerations: Account for site peculiarities and expansion and contraction movements so there is no possibility of loosening, weakening and fracturing connection between units and building structure or between components themselves.
 - 6. Obtain Architect's approval for connections to building elements at locations other than indicated in Drawings.
 - 7. Accommodate building structure deflections in system connections to structure.
- B. Performance Requirements:
 - 1. System shall accommodate movement of components without buckling, failure of joint seals, undue stress on fasteners, or other detrimental effects when subjected to seasonal temperature changes and live loads.

2. Design system capable of withstanding building code requirements for negative wind pressure.
- C. Interface With Adjacent Systems:
 1. Integrate design and connections with adjacent construction.
 2. Accommodate allowable tolerances and deflections for structural members in installation.

1.4 SUBMITTALS

- A. General: Submit the following in accordance with Conditions of Contract and Division 01 Specification Sections.
- B. Product data including copper manufacturer's specifications, installation instructions, and general recommendations for wall cladding applications. Include certification or other data substantiating that materials comply with requirements.
- C. Shop Drawings:
 1. Provide elevations showing seam layout and pattern.
 2. Show manner of forming, joining, and securing copper cladding to Project substrate.
 3. Show expansion joint details and waterproof connections to adjoining work and at obstructions and penetrations.
- D. Samples consisting of 6-inch (150 mm) or 12-inch (300 mm) square specimens of specified copper wall cladding material.
- E. Certificates: Fabricator's certification that products furnished for Project meets or exceeds specified requirements.

1.5 CLOSEOUT SUBMITTALS

- A. Provide maintenance data in Operations and Maintenance manual for maintaining applied coatings on copper panels.

1.6 QUALITY ASSURANCE

- A. Fabricator's Qualifications: Company specializing in copper sheet metal wall cladding work with three years experience in similar size and type of installations.
- B. Installer: A firm with 3 years of successful experience with installation of copper wall cladding of type and scope equivalent to Work of this Section.
- C. Industry Standard: Except as otherwise shown or specified, comply with applicable recommendations and details of the "Copper in Architecture " handbook published by the Copper Development Association Inc. (CDA). Conform to dimensions and profiles shown.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Packing, Shipping, Handling, and Unloading: Protect finish panel faces.
- B. Acceptance at Site: Examine each panel and accessory as delivered and confirm that finish is undamaged. Do not accept or install damaged panels.
- C. Storage and Protection:
 1. Stack pre-formed material to prevent twisting, bending, and abrasions.
 2. Provide ventilation.
 3. Prevent contact with materials which may cause discoloration or staining.

1.8 WARRANTY

- A. Warrant installed system and components to be free from defects in material and workmanship for period of 2 years.
- B. Include coverage against leakage and damages to finishes.

PART 2—PRODUCTS

2.1 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering materials that may be incorporated in the Work include, but are not limited to, the following:
- B. Manufacturers: Subject to compliance with requirements, provide materials by one of the following:
 - 1. Hussey Copper, Ltd.
 - 2. Luvata, Inc.
 - 3. PMX Industries Inc.
 - 4. Revere Copper Products, Inc.

2.2 MATERIALS

- A. Copper Wall Cladding Sheets: Cold-rolled copper sheet complying with ASTM B 370 temper H00, unless otherwise indicated, and as follows:
 - 1. Weight: 16 oz. per sq. ft. (0.0216-inch thick) (0.55 mm) unless otherwise indicated.
- B. Miscellaneous Materials: Provide materials and types of fasteners, protective coatings, separators, sealants and accessory items as recommended by copper sheet manufacturer for copper wall cladding work, except as otherwise indicated.
- C. Accessories: Except as indicated as work of another specification Section, provide components required for a complete wall cladding system, including trim, copings, fascias, ridge closures, cleats, seam covers, battens, flashings, gutters, louvers, sealants, gaskets, vents, and closure strips. Match materials and finishes of wall cladding .
 - 1. Sealing Tape: Pressure-sensitive 100 percent solids polyisobutylene compound sealing tape with release paper backing. Provide permanently elastic, nonsag, nontoxic, nonstaining tape.
 - 2. Joint Sealant: One-part, copper compatible elastomeric polyurethane, polysulfide, butyl or silicone rubber sealant as tested by sealant manufacturer for copper substrates. Refer to Division 07.
 - 3. Cleats:
 - a. Concealed type as indicated in the "Copper in Architecture" handbook published by the Copper Development Association Inc. (CDA) for [wall panels] [flat-seam wall cladding] to resist negative wind pressure.
 - b. Fabricate cleats to allow thermal movement of copper wall cladding panels while preventing copper panel distortion due to negative wind pressure.
 - 4. Trim, [Soffits,] Closure Pieces, and Accessories:
 - a. Same material, thickness, and finish as adjacent copper wall cladding panels, formed to required profiles.
 - b. Comply with standards conforming to recognized industry standard sheet metal practice.
 - 5. Flashings: Formed copper sheet, minimum 16 oz. per sq. ft. (0.0216 inch thick) (0.55 mm) unless otherwise indicated; finished to match panels.
- D. Bituminous Coating: SSPC-Paint 12, Cold-Applied Asphalt Mastic (Extra Thick Film), nominally free of sulfur, compounded for 15-mil dry film thickness per coat.
- E. Building Paper: Grade D, 60-minute water resistance minimum, ASTM D779.
- F. Paper Slip Sheet: Minimum 4-lb. red rosin-sized building paper.

- G. Nails for Wood Substrates: Copper or hardware bronze, 0.109 inch minimum not less than 7/8-inch (22 mm) long barbed with large head.
- H. Screws & Bolts: Copper, bronze, brass, or passivated stainless steel (300 Series) of sufficient size and length to sustain imposed stresses.
 - 1. Neoprene (resilient) gasketed washers tested to be compatible with copper and exposed screw head color matched to adjacent panel where exposed. Use exposed fasteners only where absolutely necessary to attach trim and at corrugated metal panels.
- I. Fixed cleats: Same weight as wall cladding. 2-inch (50-mm) wide x 3-inch (75-mm) long.
- J. Rivets:
 - 1. Pop Rivets: 1/8-inch (3-mm) to 3/16-inch (4.5-mm) diameter, with solid brass mandrels.
 - 2. Provide solid copper rivet (tinner's rivets) where structural integrity of seam is required.

2.3 FABRICATION

- A. General Metal Fabrication: Shop-fabricate work to greatest extent possible. Comply with details shown and with recognized industry standards as shown in the "Copper in Architecture" handbook published by the Copper Development Association Inc. (CDA) and other recognized industry practices. Fabricate for waterproof and weather-resistant performance with expansion provisions for running work, sufficient to permanently prevent leakage, damage, or deterioration of the work. Form work to fit substrate. Comply with material manufacturer's instructions and recommendations for forming material. Form exposed copper work without excessive oil-canning, buckling, and tool marks, true to line and levels indicated, with exposed edges folded back to form hems.
 - 1. Fabricate to allow for adjustments in field for proper anchoring and joining.
 - 2. Form sections true to shape, accurate in size, square, free from distortion and defects.
 - 3. Cleats: Fabricate cleats and starter strips of same or thicker material as sheet, interlockable with sheet in accordance with CDA recommendations.
 - 4. Flat Siding Panels:
 - a. Interlocking flat panel without stiffener ribs.
 - b. Factory tongue and groove type interlock to receive concealed fasteners.
 - c. Profile and size as indicated on Drawings.
 - d. Form interlocking seams with cleats folded into seam
- B. Seams: Fabricate seams in copper sheet with flat seams.
- C. Expansion Provisions: Where lapped or bayonet-type expansion provisions in work cannot be used, or would not be sufficiently water/weatherproof, form expansion joints of intermeshing hooked flanges, not less than 1-inch (25-mm) deep, filled with mastic sealant (concealed within joints).
- D. Sealant Joints: Where movable, non-expansion-type joints are indicated or required for proper performance of work, form copper to provide for proper installation of elastomeric sealant, in compliance with CDA standards.
- E. Separations: Provide for separation of copper from noncompatible metal or corrosive substrate by coating concealed surfaces at locations of contact, with bituminous coating or other permanent separation as recommended by manufacturer/fabricator.

2.4 FINISHES

- A. To retard natural weathering, apply a uniform coating of high-grade paraffin oil, or a clear lacquer coat.
- B. Clear Lacquer Coating:
 - 1. Clear, Organic Coating: Clear, air-drying, acrylic lacquer specially developed for coating copper alloy products, equivalent to Inctalac by StanChem applied by air spray in 2 coats per manufacturer's directions, with interim drying, to total thickness of 1.0 mil.

PART 3—EXECUTION

3.1 EXAMINATION

- A. General: Examine conditions and proceed with work when substrates are ready.
- B. Confirm that substrate system is even, smooth, sound, clean, dry, and free from defects.
- C. Verify wall openings, pipes, sleeves, ducts, and vents through wall assembly are solidly set, and fastener strips located.

3.2 PREPARATION

- A. Clean surfaces to receive copper wall cladding . Substrate to be smooth and free of defects. Drive all projecting nails or other fasteners flush with substrate.
- B. Building Paper:
 - 1. Weather lap sheets 2 inches (50 mm).
 - 2. Lap sheet 6 inches (150 mm) at ends.
 - 3. Attach to sheathing in accordance with sheathing manufacturer's recommendations to prevent leaks and sheathing deterioration.
 - 4. Provide 2 layers with joints shingled for overlaps.
- C. Install building paper and paper slip sheet on substrate under copper wall cladding to greatest extent possible unless otherwise recommended by manufacturer of sheet metal. Paper slip sheets must be installed over underlayment. Use adhesive for temporary anchorage to minimize use of mechanical fasteners under copper wall cladding. Lap joints 2 inch (50 mm) minimum.

3.3 INSTALLATION

- A. Manufacturer's Recommendations: Except as otherwise shown or specified, comply with recommendations and instructions of manufacturer of copper being fabricated and installed.
- B. General:
 - 1. Separate dissimilar metals by painting each metal surface in area of contact with a bituminous coating, by applying rubberized asphalt or butyl underlayment to each metal surface, or by other permanent separation as recommended by manufacturers of dissimilar metals.
 - 2. Form and fabricate sheets, seams, strips, cleats, flashings, edge treatments, and other components of copper wall cladding to profiles, patterns, and drainage arrangements shown and as required for permanently leak proof construction. Provide for thermal expansion and contraction of the work, as indicated. Seal joints as shown and as required for leak proof construction. Shop-fabricate materials to greatest extent possible.
 - 3. Sealant-Type Joints: Where sealant-filled joints are used, embed hooked flanges of joint members not less than 1 inch (25 mm) into sealant. Form joints to conceal sealant completely. When ambient temperature is moderate at time of installation, 40 degrees to 70 degrees F (4 degrees to 21 degrees C), set joint members for 50 percent movement either way. Adjust setting proportionately for installation at higher ambient temperatures. Do not install sealant-type joints at temperatures below 40 degrees F (4 degrees C). Comply with requirements of Division 07 "Joint Sealant" Sections for handling and installing sealants.
 - 4. Fabricate and install work with lines and corners of exposed units true and accurate. Form exposed faces flat and free of buckles, excessive waves, and avoidable tool marks considering temper and reflectivity of metal. Provide uniform, neat seams. Except as otherwise shown, fold back sheet metal to form a hem on concealed side of exposed edges.

5. Conceal fasteners and expansion provisions where possible in exposed work, and locate so as to minimize possibility of leakage. Cover and seal fasteners and anchors as required for a tight installation.
- C. Flat Seam Wall Cladding:
1. Install copper work in accordance with the "Copper in Architecture " handbook published by the Copper Development Association Inc. (CDA) for flat seam joints.
 2. Flat Seam Metal Wall Cladding Panels: Fasten system to substrate with concealed metal cleats and screws/nails at spacing required to resist negative wind pressure.
 3. Align, level, and plumb system with structure.
 4. Set panels with horizontal [diagonal] orientation.
 5. Fasten cleats using cleats mated to folded flat seams and fastener pattern to resist design loads with screws or barbed nails of sufficient length to penetrate substrate.
 6. Fully seat adjacent panel to on two sides to achieve continuous engagement of seam joint.

3.4 CLEANING

- A. Remove protective film (if any) from exposed surfaces of copper wall cladding promptly upon installation. Strip with care to avoid damage to finishes.
- B. Upon completion of each area of soldering, carefully remove flux and other residue from surfaces. Neutralize acid flux by washing with baking soda solution, and then flushing clean water rinse. Use special care to neutralize and clean crevices.
- C. Clean exposed metal surfaces of substances that would interfere with normal oxidation and weathering.

3.5 PROTECTION

- A. Provide final protection in a manner acceptable to installer that ensures that copper wall cladding is without damage or deterioration at time of Substantial Completion.



Workplace Safety & Health Company, Inc.

April 14, 2011

Mr. Mike Coghlan
Indianapolis Marion Co. Public Library
2450 N. Meridian Street
Indianapolis, Indiana 46206-0211

Re: Asbestos Survey Report
Shelby Street Branch – 2502 Shelby St., Indianapolis, IN
Survey Conducted: March 29 & April 7, 2011
Workplace Safety & Health Co., Inc. Project #K11036

Dear Mr. Coghlan,

Please find attached the asbestos survey report for the Shelby Street Branch in Indianapolis, IN. Asbestos was found in three materials including gray 9"x9" floor tile, black mastic under that floor tile and under carpeting (where the gray 9"x9" floor tile was previously removed) and pipe insulation debris in the restroom pipe chase.

Please feel free to call me if you have any questions about the project.

Sincerely,
Workplace Safety & Health Company, Inc.

A handwritten signature in black ink, appearing to read "Richard A. Griffith".

Richard A. Griffith, CIH
President

enclosures



Workplace Safety & Health Company, Inc.

**INDIANAPOLIS MARION CO.
PUBLIC LIBRARY**

Asbestos Survey

**Shelby Street Branch –
Indianapolis, IN**

April 14, 2011

Workplace Safety & Health Co., Inc. Project #K11036

Prepared for:
Mr. Mike Coghlan
Indianapolis Marion Co. Public Library
Indianapolis, IN

Workplace Safety & Health Company, Inc.

6314 Rucker Road, Suite F
Indianapolis, Indiana 46220
Voice 317-253-9737
Fax 317-253-9754
www.workplace-safety.net

ASBESTOS SURVEY REPORT

INDIANAPOLIS MARION CO. PUBLIC LIBRARY SHELBY STREET BRANCH INDIANAPOLIS, INDIANA

Submitted To:

Mr. Mike Coghlan
Indianapolis Marion Co. Public Library
2450 N. Meridian Street
Indianapolis, Indiana 46206-0211

Submitted By:

Workplace Safety & Health Company, Inc.
6314 Rucker Rd. Suite F
Indianapolis, IN 46220



Richard A. Griffith, CIH
Indiana Accredited Asbestos Inspector #195803020



Project Date: March 29 & April 7, 2011
Project ID: K11036

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**ASBESTOS BUILDING SURVEY REPORT
INDIANAPOLIS MARION CO. PUBLIC LIBRARY
SHELBY STREET BRANCH
2502 SHELBY ST. STREET
INDIANAPOLIS, INDIANA
PROJECT NO. K11036
APRIL 14, 2011**

DATE OF SURVEY: March 29 & April 7, 2011

PERSONNEL CONTACTED: Mike Coghlan - Indianapolis Marion Co. Public Library

SURVEY PERFORMED BY: Richard A. Griffith, CIH & April Nelson, IH

PURPOSE: The purpose of this project is to identify the asbestos-containing materials (ACM) in the section of the Shelby Street Branch Library that will be renovated during an upcoming construction project. The Indianapolis Marion County Public Library (IMCPL) currently has plans to renovate approximately one-third of the area of the library. Results of the bulk sampling can be used to determine whether or not the building materials are regulated by EPA NESHAP standards (or containing greater than 1% asbestos by volume) and therefore would require removal by an Indiana Department of Environmental Management (IDEM) accredited asbestos abatement contractor, using IDEM accredited personnel and engineering controls, prior to renovation activities.

NOTES: The results presented in this report are indicative of conditions at the IMCPL Shelby Street Branch described within this report, only at the time of this survey. This survey is not intended to include other potential health or safety hazards or exposures. Only those items specifically addressed in this report were evaluated.

1.0 INTRODUCTION

Workplace Safety & Health Company, Inc. was contracted at the request of Mr. Mike Coghlan of IMCPL to perform an asbestos survey of a selected area of the Shelby Street Branch located in Indianapolis, Indiana. The survey was performed on March 29 & April 7, 2011. All materials that were suspected of containing asbestos were sampled. Thirty-two (32) bulk samples were collected from various locations inside of the subject area. From these 32 samples, a total of 43 layers were analyzed. Materials such as floor tile with mastic are separated into layers and analyzed separately.

2.0 PROCEDURES

2.1 Bulk Sampling Procedures

An initial walk-through inspection of the structure was conducted to identify building materials that were suspected to contain asbestos and assess their current condition. Representative samples of suspect materials were then cut or dislodged, placed into airtight sample bags, marked with a unique label and sent to the laboratory for analysis. A photograph of every material sampled was taken and the location of each sample was indicated on a site drawing. Sampling tools were cleaned between samples with disposable wipes to prevent contamination of subsequent samples. Samples were collected from elevated areas using a ladder.

Asbestos-containing materials are divided into three categories:

1. surfacing materials (i.e. ceiling and wall plaster),
2. thermal system insulation (i.e. mudded TSI fittings, duct insulation and pipe insulation), and
3. miscellaneous materials (i.e. floor tiles, drywall and mastic).

Asbestos-containing materials are classified according to:

- Condition:**
- Good
 - Damaged
 - Significantly Damaged
- Friability:**
- Friable
 - Non-friable
- Potential for Disturbance:**
- Low Potential
 - Potential for Damage
 - Potential for Significant Damage
- Disturbance Source:**
- Contact
 - Vibration
 - Air Flow

2.2 Laboratory Analytical Procedures

All bulk material samples collected during this survey were transported and submitted to EMSL Analytical, Inc. (EMSL), a National Voluntary Laboratory Accreditation Program (NVLAP) accredited lab located in Indianapolis, Indiana by the inspector following strict chain-of-custody requirements.

Bulk building material sample analysis was performed by a trained microscopist using polarized light microscopy (PLM), according to the Environmental Protection Agency's (EPA) method 600 for asbestos identification.

3.0 OBSERVATIONS

3.1 Facility Description

Shelby Street Branch, Indianapolis, Indiana

The Shelby Street Library branch building is constructed of steel primary supports with wood frame partition walls on a concrete slab. The roof is wood frame with occasional steel beams supporting a wood deck, covered by standard shingles. Floors are exposed concrete in the Custodial Room and HVAC/Boiler Room. Ceramic tile is present on the floors of the two public and the staff restrooms. The remaining floors were apparently all covered at one time with 9"x9" gray floor tile held in place with black mastic. This floor tile has been removed with the exception of the corridor from the Work Room to the HVAC/Boiler Room. However, the black mastic was not removed and was primarily covered with carpet held in place with a yellow mastic or 12"x12" floor tile. Walls are wood frame covered with standard drywall, prefinished gypsum panels or wood paneling in the meeting room. Ceilings are finished drywall board or surface-mounted 12"x12" ceiling tile.

4.0 RESULTS

A total of 32 samples were collected from the site. When multiple layers were encountered by the inspector, samples were collected and submitted for analysis separately, for a total of 43 layers.

Table 1 summarizes the results of this survey and presents sampled materials with associated asbestos levels.

A copy of the original laboratory reports can be found in Appendix A of this report.

A photo log of sampling locations is included in Appendix B.

Drawings identifying sample locations described within this report are located in Appendix C.

**TABLE 1
ASBESTOS SAMPLE SUMMARY TABLE
INDIANAPOLIS MARION CO. PUBLIC LIBRARY
SHELBY STREET BRANCH
INDIANAPOLIS, INDIANA
PROJECT NO. K11036
PROJECT DATE: MARCH 29 & APRIL 7, 2011**

Sample Number	Suspect ACM Description - Sample Location	Condition	Friability	Asbestos Content And Type
02173	White Loose Fill Insulation in Attic – Sampled from Custodial Closet Attic Hatch	Good	Friable	None Detected
02174	Drywall Board – South Wall of Custodial Closet (Left of Door to HVAC/Boiler Room)	Good	Non-Friable	None Detected
02175	4” Brown Cove Base and Mastic – N. Wall of Custodial Closet Near Sink Drain	Good	Non-Friable	None Detected
02176	Drywall Board – With Light Green Paint – E. Wall of HVAC/Boiler Room	Damaged	Non-Friable	None Detected
02177	Gray Ductwork Cloth Covering – Center of HVAC/Boiler Room	Good	Non-Friable	None Detected
02178	Green Painted Pipe Fitting Insulation - S. Wall of HVAC/Boiler Room (3.5 ft above Floor)	Good	Non-Friable	None Detected
02179	Green Painted Vertical Pipe Insulation - S. Wall of HVAC/Boiler Room	Good	Non-Friable	None Detected
02180	Green Painted Pipe Fitting Insulation - S. Wall of HVAC/Boiler Room (1.5 ft above Floor)	Good	Non-Friable	None Detected
02181	Green Painted Horizontal Pipe Insulation - S. Wall of HVAC/Boiler Room (1.5 ft above Floor)	Good	Non-Friable	None Detected

TABLE 1 (Continued)
ASBESTOS SAMPLE SUMMARY TABLE
INDIANAPOLIS MARION CO. PUBLIC LIBRARY
SHELBY STREET BRANCH
INDIANAPOLIS, INDIANA
PROJECT NO. K11036
PROJECT DATE: MARCH 29 & APRIL 7, 2011

Sample Number	Suspect ACM Description - Sample Location	Condition	Friability	Asbestos Content And Type
02182	Gray Ductwork Cloth Covering – W. Wall of HVAC/Boiler Room (Above Exit Door)	Good	Non-Friable	None Detected
02183	Gray/Brown Duct Sealant – W. Side of HVAC/Boiler Room on Metal Ductwork	Good	Non-Friable	None Detected
02184	6" Brown Cove Base and Mastic - W. Wall of HVAC/Boiler Room (Near Exit Door)	Good	Non-Friable	None Detected
02185	6" Brown Cove Base and Mastic - N. Wall of HVAC/Boiler Room (Near Door to Corridor)	Good	Non-Friable	None Detected
02186	Black Boiler Flue Mortar – Inside Boiler Flue/Chimney Clean-Out Door	Good	Non-Friable	None Detected
02187	Gray Boiler Flue Sealant – On Boiler Flue Pipe to Chimney Connection	Good	Friable	None Detected
02188	White Pipe Sealant – On Pipe Junction into Side of Boiler Unit	Good	Non-Friable	None Detected
02189	White Drywall Board – Ceiling of HVAC/Boiler Room (Above Door to Corridor)	Good	Non-Friable	None Detected
02190	Gray 9"x9" Floor Tile and Mastic – Corridor From HVAC/Boiler Room to Work Room (SE Corner)	Good	Non-Friable	Chrysotile – 2%-T Chrysotile – 3%-M
02191	Gray 9"x9" Floor Tile and Mastic – Corridor From HVAC/Boiler Room to Work Room (NW Corner)	Good	Non-Friable	Chrysotile – 2%-T Chrysotile – 3%-M

TABLE 1 (Continued)
ASBESTOS SAMPLE SUMMARY TABLE
INDIANAPOLIS MARION CO. PUBLIC LIBRARY
SHELBY STREET BRANCH
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02192	6" Brown Cove Base and Mastic - Corridor From HVAC/Boiler Room to Work Room (NW Corner)	Good	Non-Friable	None Detected
02193	White 12"x12" Surface-Mounted Ceiling Tile – Work Room by Air Register	Good	Friable	None Detected
02194	4" Burgundy Cove Base and Mastic – NW. Corner of Work Room	Good	Non-Friable	None Detected
02195	Carpet Mastic (Top Layer – Yellow, Bottom Layer – Black) in SW Corner Work Room	Good	Non-Friable	None Detected – Y Chrysotile – 3%-B
02196	Carpet Mastic (Top Layer – Yellow, Bottom Layer – Black) in E. Side of Work Room	Good	Non-Friable	None Detected – Y Chrysotile – 3%-B
02197	Light Gray 12"x12" Floor Tile – Behind Refrigerator - Kitchen/lounge	Good	Non-Friable	None Detected - T Chrysotile – 2%-M
02198	White Pipe Insulation Debris – Pipe Chase Behind Refrigerator - Kitchen/lounge	Damaged	Friable	Chrysotile – 10%
02199	6" Burgundy Cove Base and Mastic – Behind Refrigerator - Kitchen/lounge	Good	Non-Friable	None Detected
02200	Pre-Fab Textured Drywall Board - Kitchen/lounge	Good	Non-Friable	None Detected
02201	White 12"x12" Surface-Mounted Ceiling Tile – NW Corner of Meeting Room	Good	Non-Friable	None Detected
02202	Carpet Mastic (Top Layer – Yellow, Bottom Layer – Black) in SW Corner of E. Closet in Meeting Room	Good	Non-Friable	None Detected – Y Chrysotile – 5%-B

TABLE 1 (Continued)
ASBESTOS SAMPLE SUMMARY TABLE
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02203	6" Burgundy Cove Base and Mastic – SW Corner of E. Closet in Meeting Room	Good	Non-Friable	None Detected
02161	6" Black Cove Base and Mastic – N. Wall of Public Women's Rest Room	Good	Non-Friable	None Detected

Note: Please refer to sample location map in Appendix C for specific sample locations.

4.1 Discussion of Results and Observations

Shelby Street Library Branch

32 samples were collected from building materials suspected of containing asbestos inside the library building. A total of 43 layers were analyzed. As shown in Table 1 and in the sample location map located in Appendix C, only seven of the samples collected from this building contained asbestos, representing nine total layers of material. The 9"x9" gray floor tile in the corridor from the Work Room to the HVAC/Boiler Room (approximately 100 square feet) contained 2% chrysotile asbestos (see *Photo 1 - Appendix B*). This material could be further analyzed by the point count method to more accurately determine the percentage of asbestos in the material (in an effort to see if it is actually less than one percent), however since the material is non-friable, no further analysis is required for this project. The black mastic beneath the 9"x9" floor tile contains 3% chrysotile asbestos and is also present in the Work Room; under the 12"x12" non-asbestos floor tile in the kitchen/lounge (see *Photo 2 - Appendix B*), and; under the carpet located in part of the kitchen/lounge and throughout the Meeting Room and attached closets (approximately 1,400 square feet) (see *Photo 2 - Appendix B*). The only friable asbestos discovered in the survey was pipe insulation debris (approximately <1 square foot) located in the pipe chase serving the two public restrooms (see *Photo 4 - Appendix B*). Access to this chase is a hinged steel door, located behind the refrigerator in the kitchen/lounge. The domestic water lines were at one time insulated with fiberglass pipe insulation and asbestos-containing mudded fittings. Most of the fitting material has been removed but some debris was evident in the bottom of the chase.

5.0 RECOMMENDATIONS

- 2011-01 The asbestos-containing debris located in the pipe chase must be removed by an Indiana licensed asbestos abatement contractor prior to being disturbed in the building renovation.
- 2011-02 If the ceiling above the subject survey area is to be demolished as part of this project, inspect the attic space for insulated piping that may be currently hidden by loose fill insulation. If insulated piping is found, contact Workplace Safety & Health Co., Inc. to return to the site to collect appropriate samples of potential pipe insulation prior to disturbing the piping system(s).
- 2011-03 If any materials similar to those found to contain asbestos are noted in the closet that was not inspected during this survey (accessible only from outdoors), contact Workplace Safety & Health Co., Inc. to return to the site to collect appropriate samples of potential ACM.
- 2011-04 The asbestos-containing floor tile and mastic materials identified in this survey do not have the potential to become friable when disturbed during normal demolition and renovation activities. However, if sanding, grinding, or chipping the floor tile and/or mastic

become necessary, it should be removed by a contractor familiar with the proper methods prescribed by the Resilient Floor Covering Institute. As a minimum the following methods, summarized from the RFCI literature, should be used if the tile and/or mastic must be removed:

- Never sand, dry scrape, drill, saw, bead-blast or mechanically chip or pulverize any resilient flooring, backing, lining felt asphaltic "cutback" adhesive, or other adhesive to remove them from the floor.
- Use a vacuum equipped with HEPA filter, disposable dust bag, and metal floor attachment (no brush).
- All sheet floor removals must be done using detergent solution.
- All scraping must be done wet.
- Prior to removal, all tile must be wetted (except in cases where heat will be applied).
- Do not dry sweep.
- Material removed must be placed in heavy-duty impermeable bags at least 6 mils thick or in a leak-tight container, properly labeled and disposed of in an authorized landfill.

6.0 LIMITATIONS

This report presents only the results of the asbestos survey conducted in a selected, proposed construction area of the Indianapolis Marion Co. Public Library Shelby Street Branch in Indianapolis, Indiana. The roof and the exterior of the building were excluded from the survey at the request of the client. A small closet, accessible only from outdoors (identified on the sampling drawing) was not inspected. The attic was inspected for potential pipe insulation and none was observed. However loose fill insulation is used liberally throughout the attic and may obscure piping that could be insulated in a similar manner to the lines in the restroom pipe chase.

This survey is not intended to include other potential health or safety hazards or exposures at the facility. Only those items specifically addressed in this report were evaluated.

Workplace Safety & Health Company, Inc. has endeavored to inspect the existing conditions within the affected areas using industry standard protocols. Regardless of the thoroughness of an inspection, it is possible that some areas containing asbestos were overlooked or inaccessible. If questions arise during the planning for demolition, Workplace Safety & Health Company, Inc. should be notified to permit us to review the situation and present recommendations.

This report has been prepared on behalf of and exclusively for the use of Indianapolis Marion Co. Public Library. The conclusions expressed by Workplace Safety & Health Company, Inc. regarding the conditions of the site are based solely on the observations made during this project, the data collected during this inspection, and the laboratory results of the samples collected and analyzed. The beneficiaries are hereby advised that conditions observed are subject to change. This report and the findings contained herein shall not, in whole or in part, be disseminated or conveyed to any other party or be used or relied upon by any other party, in whole or in part, without the prior written consent of Workplace Safety & Health Company, Inc.

APPENDIX A

Laboratory Analytical Reports



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205

Phone: (317) 803-2997 Fax: (317) 803-3047 Email: indianapolislaboratory@emsl.com

Attn: **April Nelson**
Workplace Safety & Health
11715 Fox Road #400 PMB 225
6314 Rucker Rd., Suite F
Indianapolis, IN 46236

Customer ID: WORK54
Customer PO:
Received: 03/29/11 1:34 PM
EMSL Order: 161104671

Fax: (317) 253-9754 Phone: (317) 616-3677
Project: **K11036 - SHELBY BRANCH LIBRARY**

EMSL Proj:
Analysis Date: 4/1/2011

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
02173 161104671-0001		White Fibrous Homogeneous	99% Glass	1% Non-fibrous (other)	None Detected
02174 161104671-0002		Brown/White Fibrous Heterogeneous	25% Cellulose	5% Non-fibrous (other) 70% Gypsum	None Detected
02175-Cove Base 161104671-0003		Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
02175-Mastic 161104671-0003A		Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
02176 161104671-0004		Brown/White Fibrous Heterogeneous	20% Cellulose 5% Glass	5% Non-fibrous (other) 70% Gypsum	None Detected
02177 161104671-0005		Various Fibrous Heterogeneous	60% Cellulose 30% Glass	10% Non-fibrous (other)	None Detected

Initial report from 04/01/2011 10:58:13

Analyst(s)

Craig Nixon (41)

Richard Harding, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205

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Workplace Safety & Health
11715 Fox Road #400 PMB 225
6314 Rucker Rd., Suite F
Indianapolis, IN 46236

Customer ID: WORK54
Customer PO:
Received: 03/29/11 1:34 PM
EMSL Order: 161104671

Fax: (317) 253-9754 Phone: (317) 616-3677

Project: **K11036 - SHELBY BRANCH LIBRARY**

EMSL Proj:
Analysis Date: 4/1/2011

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
02178 161104671-0006		Gray Fibrous Heterogeneous	5% Cellulose 40% Min. Wool	55% Non-fibrous (other)	None Detected
02179 161104671-0007		White/Yellow Fibrous Heterogeneous	20% Cellulose 75% Synthetic	5% Non-fibrous (other)	None Detected
02180 161104671-0008		Gray/Yellow Fibrous Heterogeneous	20% Cellulose 25% Min. Wool 35% Glass	20% Non-fibrous (other)	None Detected
02181 161104671-0009		White/Yellow Fibrous Heterogeneous	20% Cellulose 75% Glass	5% Non-fibrous (other)	None Detected
02182 161104671-0010		Beige Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (other)	None Detected
02183 161104671-0011		Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Project: **K11036 - SHELBY BRANCH LIBRARY**

EMSL Proj:
Analysis Date: 4/1/2011

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
02184-Cove Base 161104671-0012		Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
02184-Mastic 161104671-0012A		Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
02185-Cove Base 161104671-0013		Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
02185-Mastic 161104671-0013A		Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
02186 161104671-0014		Gray/Black Non-Fibrous Heterogeneous	5% Glass	95% Non-fibrous (other)	None Detected
02187 161104671-0015		Gray Non-Fibrous Homogeneous	5% Min. Wool	95% Non-fibrous (other)	None Detected

Initial report from 04/01/2011 10:58:13

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Fax: (317) 253-9754 Phone: (317) 616-3677
Project: **K11036 - SHELBY BRANCH LIBRARY**

EMSL Proj:
Analysis Date: 4/1/2011

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
02188 161104671-0016		White Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
02189 161104671-0017		Brown/White Fibrous Heterogeneous	20% Cellulose 5% Glass	5% Non-fibrous (other) 70% Gypsum	None Detected
02190-Floor Tile 161104671-0018		Gray Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
02190-Mastic 161104671-0018A		Black Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
02191-Floor Tile 161104671-0019		Gray Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
02191-Mastic 161104671-0019A		Black Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile

Initial report from 04/01/2011 10:58:13

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Customer ID: WORK54
Customer PO:
Received: 03/29/11 1:34 PM
EMSL Order: 161104671

Fax: (317) 253-9754 Phone: (317) 616-3677
Project: **K11036 - SHELBY BRANCH LIBRARY**

EMSL Proj:
Analysis Date: 4/1/2011

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
02192-Cove Base 161104671-0020		Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
02192-Mastic 161104671-0020A		Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
02193 161104671-0021		White Fibrous Homogeneous	95% Min. Wool	5% Non-fibrous (other)	None Detected
02194-Cove Base 161104671-0022		Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
02194-Mastic 161104671-0022A		Cream Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
02195 161104671-0023		Black/Yellow Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile

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Customer ID: WORK54
Customer PO:
Received: 03/29/11 1:34 PM
EMSL Order: 161104671

Fax: (317) 253-9754 Phone: (317) 616-3677
Project: **K11036 - SHELBY BRANCH LIBRARY**

EMSL Proj:
Analysis Date: 4/1/2011

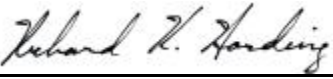
Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
02196 161104671-0024		Black/Yellow Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
02197-Floor Tile 161104671-0025		Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
02197-Mastic 161104671-0025A		Black/Yellow Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
02198 161104671-0026		White Fibrous Homogeneous	25% Min. Wool	65% Non-fibrous (other)	10% Chrysotile
02199-Cove Base 161104671-0027		Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
02199-Mastic 161104671-0027A		Cream Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Initial report from 04/01/2011 10:58:13

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Customer ID: WORK54
Customer PO:
Received: 03/29/11 1:34 PM
EMSL Order: 161104671

Fax: (317) 253-9754 Phone: (317) 616-3677
Project: **K11036 - SHELBY BRANCH LIBRARY**

EMSL Proj:
Analysis Date: 4/1/2011

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
02200 161104671-0028		Brown/White Fibrous Heterogeneous	30% Cellulose	5% Non-fibrous (other) 65% Gypsum	None Detected
02201 161104671-0029		White Fibrous Homogeneous	95% Min. Wool	5% Non-fibrous (other)	None Detected
02202 161104671-0030		Black/Yellow Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
02203-Cove Base 161104671-0031		Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
02203-Mastic 161104671-0031A		Cream Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Initial report from 04/01/2011 10:58:13

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Attn: **Richard Griffith**
Workplace Safety & Health
11715 Fox Road #400 PMB 225
6314 Rucker Rd., Suite F
Indianapolis, IN 46236

Customer ID: WORK54
Customer PO:
Received: 04/07/11 3:10 PM
EMSL Order: 161105273

Fax: (317) 253-9754 Phone: (317) 616-3677
Project: **K11036 IMCPL**

EMSL Proj:
Analysis Date: 4/8/2011

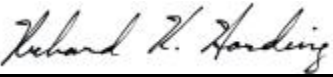
Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
02161-Cove Base <i>161105273-0001</i>		Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
02161-Mastic <i>161105273-0001A</i>		Cream Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Initial report from 04/08/2011 13:52:01

Analyst(s)

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APPENDIX B

Photo Log

WS&H Project Name: Indianapolis Marion Co. Public Library
WS&H Project No.: K11036
Project Description: Asbestos Survey
Project Address: 2502 Shelby St. Indianapolis, Indiana



Photo 1 : 9"x9" Gray Floor Tile
Both Tile & Mastic Contain **2-3% Chrysotile Asbestos**



Photo 2 : Carpet Covering Asbestos Black Mastic
Contains **3% Chrysotile Asbestos**



Photo 3 : 12"x12" Gray Tile - Not Asbestos
Black Mastic Under Tile **2% Chrysotile Asbestos**



Photo 4 : Asbestos Pipe Fitting Debris
10% Chrysotile Asbestos



Photo 5 : **Non-asbestos** Pipe Fitting Insulation
HVAC/Boiler Room

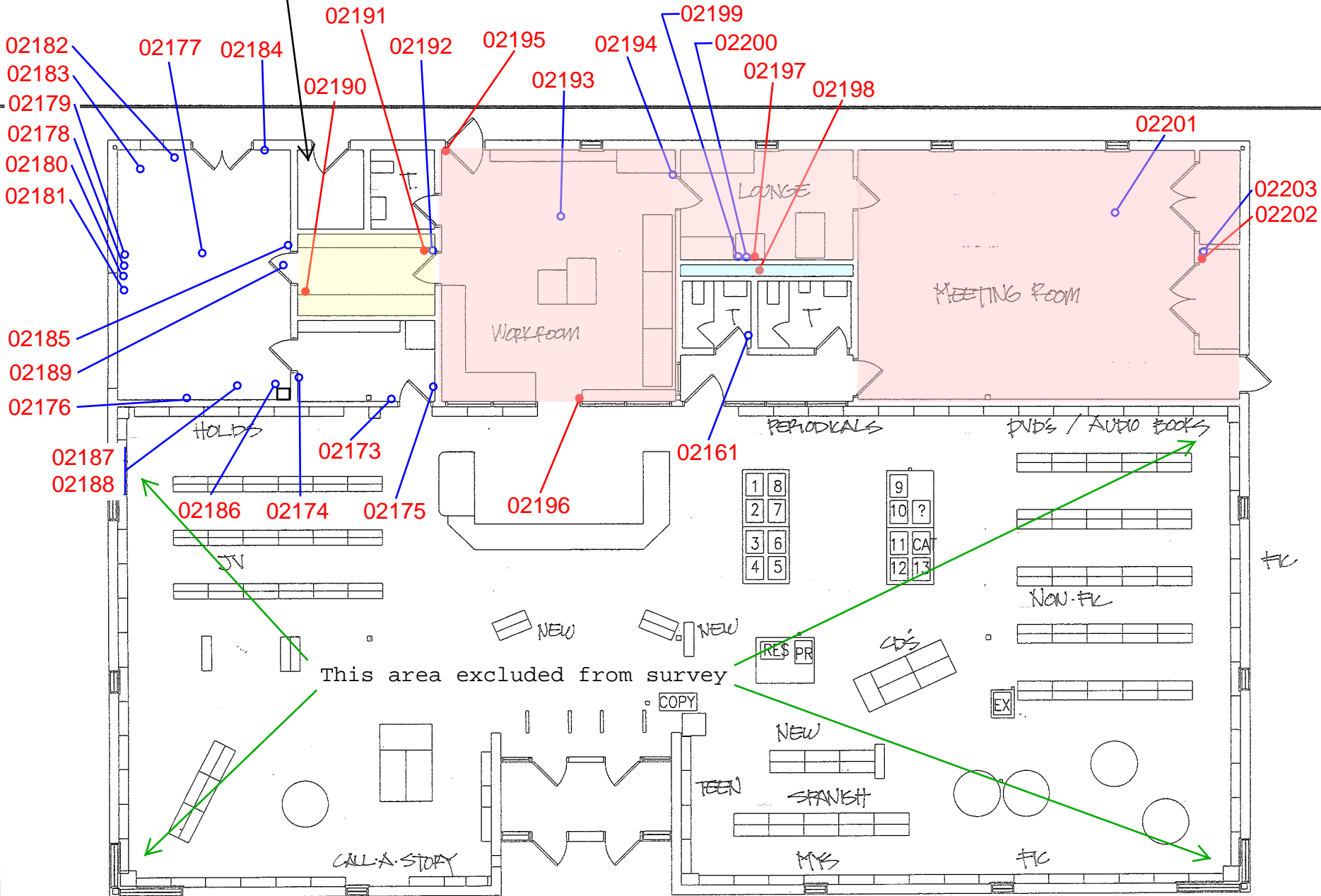


Photo 6 : **Non-asbestos** Duct Insulation
HVAC/Boiler Room

APPENDIX C

Sample Location and Asbestos Distribution Drawing

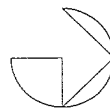
This area not surveyed



KEY

- Contains Greater Than 1% Asbestos (positive result)
- Contains 1% or Less Asbestos (negative result)

- Asb. Floor Tile & Mastic
- Asb. Mastic
- Asb. Pipe Insul. Debris



FLOOR PLAN EXISTING



Asbestos Bulk Sampling Project

PROJECT:

DESIGN:

SHELBY BRANCH LIBRARY RENOVATION
INDIANAPOLIS-MARION COUNTY PUBLIC LIBRARY

01.12.2011

FLOOR PLAN

PAGE:

A1

Survey Conducted by: Workplace Safety & Health Co., Inc.
March 29 & April 7, 2011 Project #K11036



Workplace Safety & Health Company, Inc.

April 15, 2011

Mr. Mike Coghlan
Indianapolis Marion Co. Public Library
2450 N. Meridian Street
Indianapolis, Indiana 46206-0211

Re: Lead-Based Paint Survey Report
Shelby Street Branch – 2502 Shelby St., Indianapolis, IN
Survey Conducted: March 29, 2011
Workplace Safety & Health Co., Inc. Project #K11036

Dear Mr. Coghlan,

Please find attached the lead-based paint survey report for the Shelby Street Branch in Indianapolis, IN. The greatest concentration of lead-based paint was found on the vertical support steel beams (painted dark red/burgundy) found in the Meeting Room and the janitor's closet.

Please feel free to call me if you have any questions about the project.

Sincerely,
Workplace Safety & Health Company, Inc.

A handwritten signature in black ink, reading "Richard A. Griffith".

Richard A. Griffith, CIH
President

enclosures



Workplace Safety & Health Company, Inc.

**INDIANAPOLIS MARION CO.
PUBLIC LIBRARY**

Lead-Based Paint Survey

**Shelby Street Branch –
Indianapolis, IN**

April 15, 2011

Workplace Safety & Health Co., Inc. Project #K11036

Prepared for:
Mr. Mike Coghlan
Indianapolis Marion Co. Public Library
Indianapolis, IN

Workplace Safety & Health Company, Inc.

6314 Rucker Road, Suite F
Indianapolis, Indiana 46220
Voice 317-253-9737
Fax 317-253-9754
www.workplace-safety.net

LEAD-BASED PAINT SURVEY REPORT

INDIANAPOLIS MARION CO. PUBLIC LIBRARY SHELBY STREET BRANCH INDIANAPOLIS, INDIANA

Submitted To:

Mr. Mike Coghlan
Indianapolis Marion Co. Public Library
2450 N. Meridian Street
Indianapolis, Indiana 46206-0211

Submitted By:

Workplace Safety & Health Company, Inc.
6314 Rucker Rd. Suite F
Indianapolis, IN 46220



Richard A. Griffith, CIH



Project Date: March 29, 2011
Project ID: K11036

**LEAD-BASED PAINT SURVEY
INDIANAPOLIS MARION CO. PUBLIC LIBRARY
SHELBY STREET BRANCH
2502 SHELBY ST. STREET
INDIANAPOLIS, INDIANA
PROJECT NO. K11036
APRIL 15, 2011**

DATES OF SURVEY: March 29, 2011

PERSONNEL CONTACTED: Mike Coghlan - Indianapolis Marion Co. Public Library

SURVEY PERFORMED BY: Richard A. Griffith, CIH & April Nelson, IH

PURPOSE: The purpose of this project is to identify lead in coatings within the IMCPL Shelby Street Branch structure to assist the IMCPL in determining if special precautions need to be taken during scheduled remodeling activities.

NOTES: The results presented in this report are indicative of conditions at the IMCPL Shelby Street Branch location only, at the time of this survey. This survey is not intended to include other potential health or safety hazards or exposures. Only those items specifically addressed in this report were evaluated.

1.0 INTRODUCTION

Workplace Safety & Health Company, Inc. was contracted at the request of Mr. Mike Coghlan of IMCPL to perform a lead-based paint (LBP) survey of the Shelby Street Branch located in Indianapolis, Indiana. The survey was performed on March 29, 2011. The structure was inspected for the presence of lead in coatings on various building materials and substrates and appropriate samples were measured by Workplace Safety & Health Company, Inc. personnel using an X-Ray Fluorescence (XRF) analyzer.

2.0 PROCEDURES

2.1 XRF Sampling Procedures

The LBP inspection was completed by Mr. Richard A. Griffith, CIH and April Nelson, industrial hygienist of Workplace Safety & Health Company Inc.

Samples were analyzed in the field by a Niton XFB-3 XRF Lead-Based Paint Analyzer, serial # 24800, according to the manufacturer's guidelines for use and in accordance with United States Environmental Protection Agency (US EPA)

regulations found in 40 CFR 745.227 (b). Calibration of the XRF was performed in the field prior to the start of the sampling event and after the completion of sampling activities using the appropriate National Institute of Standards and Technology (NIST) standard. Random calibrations were also conducted during the course of the sampling event.

The XRF was used to collect readings from each of the various interior surfaces including walls, doors and door frames, ceilings, floors, structural steel, etc. of the structure.

Multiple readings were taken on all representative surfaces in order to verify lead content versus a statistical cross-section for the whole building. Remodeling and renovation activities have been conducted in the structure throughout the years.

General areas were sampled by current color to determine if lead was present in individual colors in quantities greater than 1.0 mg/cm². Sampling locations were chosen based on current paint color in addition to the substrate and building component. If a particular space appeared to have been painted using the same color and the walls were made of the same material, then only one sample may have been collected from this combination of space location, paint color and building material. If, however a space had walls made of two types of material and were painted the same color, then multiple samples were collected, one for Wall A and Color A and a second sample for Wall B and Color A. This methodology was employed for all samples collected and documented by Workplace Safety & Health Co., Inc.

Sampling locations and associated XRF readings were recorded on a copy of the building's floor plan as shown in Appendix A. XRF readings of lead in paint are considered positive for the presence of lead if readings yield a result of 1.0 mg/cm² or greater.

Please Note: The Occupational Safety and Health Administration (OSHA) Lead in Construction Standard states that "negative" readings [those below the HUD/EPA definition of what constitutes LBP (1.0 mg/cm²)] **DO NOT** relieve employers or contractors from performing exposure assessments (personal air monitoring) on their employees per the OSHA Lead Standard, and should not be interpreted as lead is not present. Although a reading may indicate "negative" (below 1.0 mg/cm²), airborne lead concentrations still may exceed the OSHA Action Level or the OSHA Permissible Exposure Limit (PEL) depending on the nature of the work being completed.

3.0 OBSERVATIONS

3.1 Facility Description

Shelby Street Branch, Indianapolis, Indiana

The Shelby Street Library branch building is constructed of steel primary supports with wood frame partition walls on a concrete slab. The roof is wood frame with occasional steel beams supporting a wood deck, covered by standard shingles. Floors are exposed concrete in the Custodial Room and HVAC/Boiler Room. Ceramic tile is present on the floors of the two public and the staff restrooms. The remaining floors were apparently all covered at one time with 9"x9" gray floor tile held in place with black mastic. This floor tile has been removed with the exception of the corridor from the Work Room to the HVAC/Boiler Room, with the remaining floors covered with carpet. Walls are wood frame covered with standard drywall, prefinished gypsum panels or wood paneling in the meeting room. Ceilings are finished drywall board or surface-mounted 12"x12" ceiling tile.

4.0 RESULTS

4.1 Lead Based Paint (LBP)

Approximately 87 XRF samples were collected and marked on a copy of the building's floor plan.

Appendix A contains a building map indicating all positive lead sampling locations ($>1.0 \text{ mg/cm}^2$) based on the building drawing provided to Workplace Safety & Health Co., Inc. by the IMCPL.

Paint colors producing results $>1.0 \text{ mg/cm}^2$ are representative of materials with the same color and substrate combination and are assumed to be positive for lead in amounts greater than the regulatory limit of 1.0 mg/cm^2 throughout the site.

Appendix A contains the Sample Location Map. Appendix B contains the Photo Log of the LBP materials identified during the survey.

5.0 DISCUSSION OF RESULTS AND OBSERVATIONS

5.1 Lead Containing Materials

The following areas produced levels of lead in paint above 1.0 mg/cm^2 :

1. Meeting Room – vertical support steel beam, center of east wall
– dark red/burgundy color (see Photo 2 – Appendix B);
2. HVAC/Boiler Room – vertical conduit pipe, center of south wall
– bright red color (see Photo 1 – Appendix B);

3. HVAC/Boiler Room – vinyl cove base, north wall near door to storage corridor – dark brown color (see Photo 3 – Appendix B), this material appears to contain lead as a component of the cove base as opposed to being coated with lead-based paint;
4. Storage Corridor (between HVAC/Boiler Rm & Work Rm) – vinyl cove base, all four walls – dark brown color (same as Photo 3 – Appendix A);
5. Janitor’s Closet – vertical support steel beam, center of east wall (beige color) & steel support beams in overlying attic space (dark red/burgundy color) (see Photos 4 & 6 – Appendix B);
6. Janitor’s Closet – vinyl cove base, north and east walls – dark brown color (see Photo 5 – Appendix B).

The highest lead concentration measured was 7.2 mg/cm². This was found on the vertical support steel beam located at the center of the east wall of the Meeting Room. Coatings which match these areas with regard to color, substrate and paint history should also be considered positive for lead and handled appropriately. The steel structure of the building was found to have a consistent lead-based, red primer coating on it that was either exposed or was covered with a secondary paint.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Field sampling using a Niton XRF indicates multiple positive results (>1.0 mg/cm²) for lead as shown on the map in Appendix A. Appendix B contains a photograph log of the surfaces that tested positive for lead-based paint.

The following recommendations are submitted for management consideration:

- | | |
|---------|--|
| 2010-01 | Workplace Safety & Health Co., Inc. recommends the lead paint survey results be shared with contractors who plan to complete demolition/renovation activities in areas containing lead based paint. |
| 2010-02 | Scraping, surface prep, demolition activities, chemical stripping, flame cutting, etc. may generate paint chips, dust, lead fumes and associated debris during removal and may require disposal as a “Special” or hazardous waste. Workplace Safety & Health Co., Inc. recommends a waste determination be completed to determine the appropriate disposal method according to applicable local, state and federal regulations. The waste determination is strictly to determine if lead is at hazardous or non-hazardous levels in the waste generated. |
| 2010-03 | Workplace Safety & Health Co., Inc. recommends that OSHA 29 CFR 1926.62, the Construction Industry Lead Standard and the OSHA 29 CFR 1910 Subpart I Personal Protective Equipment (PPE) standard, be reviewed to ensure that appropriate PPE and safe work practices are employed during any removal/demolition activities. Flame cutting of building components, grinding, sand blasting, or other mechanical operations on materials coated with lead based paint increases the |

potential exposure of employees to airborne lead. Workplace Safety & Health Co., Inc. recommends the use of wet chemical stripping methods to remove lead containing paint as needed prior to any flame cutting.

2010-04 Wetting areas with lead paint during demolition is required to reduce the potential for lead dust.

Please Note: The Occupational Safety and Health Administration (OSHA) Lead in Construction Standard states that “negative” readings [those below the HUD/EPA definition of what constitutes LBP (1.0 mg/cm²)] **DO NOT** relieve employers or contractors from performing exposure assessments (personal air monitoring) on the their employees per the OSHA Lead Standard, and should not be interpreted as lead is not present. Although a reading may indicate “negative” (below 1.0 mg/cm²), airborne lead concentrations still may exceed the OSHA Action Level or the OSHA Permissible Exposure Limit (PEL) depending on the nature of the work being completed.

7.0 LIMITATIONS

This report presents only the results of the lead survey conducted at the IMCPL Shelby Street Branch located in Indianapolis, Indiana. Only those items specifically addressed in this report were evaluated.

Workplace Safety & Health Co., Inc. has endeavored to inspect the existing conditions within the affected areas using industry standard protocols. Regardless of the thoroughness of an inspection, it is possible that some areas containing lead based paint were overlooked or inaccessible. If questions arise during the planning for demolition Workplace Safety & Health Co., Inc. should be notified to permit us to review the situation and present recommendations.

This report has been prepared on behalf of and exclusively for the use of the IMCPL Shelby Street branch located in Indianapolis, Indiana. The conclusions expressed by Workplace Safety & Health Co., Inc. regarding the conditions of the site are based solely on the observations made during this project and the data collected during this inspection. The beneficiaries are hereby advised that conditions observed are subject to change. This report and the findings contained herein shall not, in whole or in part, be disseminated or conveyed to any other party or be used or relied upon by any other party, in whole or in part, without the prior written consent of Workplace Safety & Health Co., Inc.

APPENDIX A

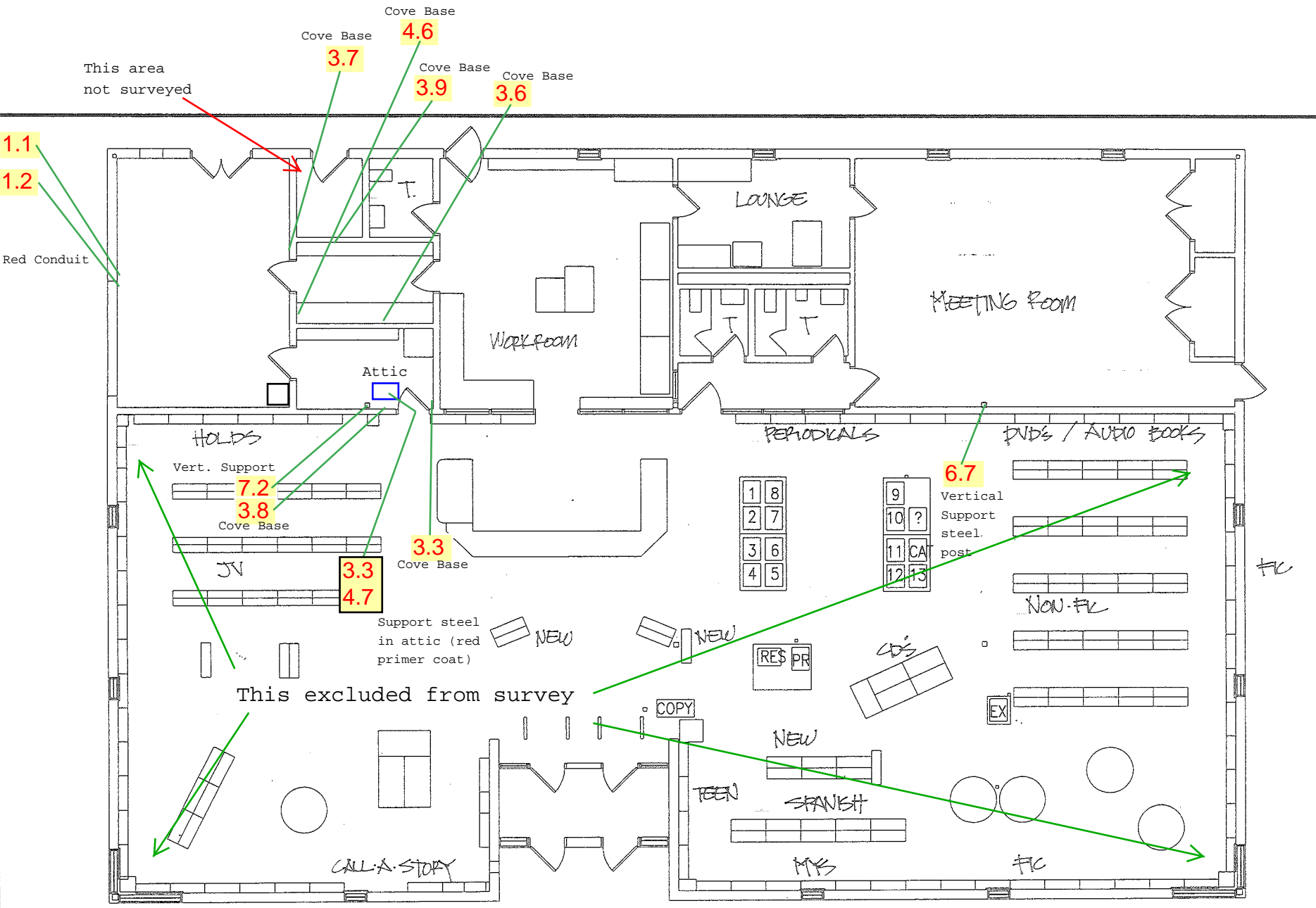
Sample Location Map

Lead Paint Sampling Project

PROJECT:
DESIGN:

**SHELBY BRANCH LIBRARY RENOVATION
INDIANAPOLIS-MARION COUNTY PUBLIC
LIBRARY**

01.12.2011
FLOOR PLAN
PAGE:
A1



KEY
All sample points exceeding 1.0 mg/cm² of lead are shown (**positive lead paint**)
75 other surfaces tested are < 1.0 and are **not** shown on drawing (**negative paint**)

Survey conducted by: Workplace Safety & Health Co., Inc.
March 29, 2011
Project #K11036

APPENDIX B

Photo Log



Photo 1 : Red paint on electrical conduit piping
HVAC/Boiler Room, South wall



Photo 2 : Burgundy paint on vertical support beam
Meeting room, East wall



Photo 3 : Brown vinyl cove base
HVAC/Boiler Room



Photo 4 : Beige paint on vertical support beam
Janitor's Closet, East wall



Photo 5 : Brown vinyl cove base
Janitor's Closet



Photo 6 : Burgundy paint on support beams
Attic space above the Janitor's Closet

COMMON CONSTRUCTION WAGE SCALE
COMMERCIAL BUILDING

Date: 3-22-11

Town: County: MARION

Project Description and Scope: PUBLIC: LIBRARY: SHELBY BRANCH

291
CSC
30
RBM

We the undersigned common construction wage committee, appointed pursuant to Indiana Code 5-16-7 *et seq.*, do hereby fix and determine the following common construction wage scale to apply on the above referenced project.

Classification	Class	Hourly Rate	Fringes	Total:
Asbestos Workers/ Mechanical Insulators				
	Skilled	\$32.34	\$14.69	\$47.03
	Semiskilled	\$18.77	\$8.37	\$27.14
	Unskilled	\$13.71	\$8.10	\$21.81
Asbestos Workers/ Asbestos Abatement				
	Skilled	\$29.90	\$13.48	\$43.38
	Semiskilled	N/A	N/A	N/A
	Unskilled	N/A	N/A	N/A
Boilermakers				
	Skilled	\$32.00	\$17.96	\$49.96
	Semiskilled	\$25.60	\$17.96	\$43.56
	Unskilled	\$22.40	\$17.96	\$40.36
Bricklayers				
	Skilled	\$29.85	\$10.69	\$40.54
	Semiskilled	\$25.37	\$10.69	\$36.06
	Unskilled	\$14.93	\$10.96	\$25.62
Carpenters				
	Skilled	\$28.42	\$13.40	\$41.82
	Semiskilled	\$22.74	\$12.03	\$34.77
	Unskilled	\$17.01	\$10.70	\$27.71
Floor Coverers				
	Skilled	\$25.57	\$10.80	\$36.37
	Semiskilled	\$20.46	\$9.89	\$30.35
	Unskilled	\$15.34	\$8.98	\$24.32

Cement Masons

Skilled	\$25.25	\$12.35	\$37.60
Semiskilled	\$20.20	\$12.35	\$32.55
Unskilled	\$15.15	\$12.35	\$27.50

Drywall Finishers

Skilled	\$24.18	\$10.43	\$34.86
Semiskilled	\$16.93	\$9.15	\$26.08
Unskilled	\$12.09	\$8.13	\$20.22

Drywall Finishers Using Automatic Tools (Ames, Tape Tech, Ect) Add \$1.00 To Hourly Pay

Drywall Installers

(Carpenters)

Skilled	\$28.42	\$13.40	\$41.82
Semiskilled	\$22.74	\$12.03	\$34.77
Unskilled	\$17.01	\$10.70	\$27.71

Electricians

Skilled	\$31.85	\$16.20	\$48.05
Semiskilled	\$20.00	\$10.35	\$30.35
Unskilled	\$13.55	\$8.56	\$22.11

Elevator Constructors

Skilled	\$39.28	\$23.37	\$62.64
Semiskilled	\$27.49	\$21.87	\$49.36
Unskilled	\$21.60	\$21.52	\$43.12

Glaziers

Skilled	\$26.58	\$10.73	\$37.31
Semiskilled	\$18.61	\$9.22	\$27.83
Unskilled	\$13.29	\$8.21	\$21.50

Iron Workers

Skilled	\$27.50	\$18.19	\$45.69
Semiskilled	\$22.00	\$18.19	\$40.19
Unskilled	\$16.50	\$18.19	\$34.69

Laborers

Skilled	\$22.38	\$10.86	\$34.24
Semiskilled	\$22.88	\$10.86	\$33.74
Unskilled	\$22.38	\$10.86	\$33.24

Laborers/Asbestos Abatement

Skilled	\$24.13	\$10.86	\$34.99
Semiskilled	\$23.63	\$10.86	\$34.49
Unskilled	\$23.13	\$10.86	\$33.99

Millwrights

Skilled	\$26.24	\$15.58	\$41.82
Semiskilled	\$20.99	\$13.78	\$34.77
Unskilled	\$15.74	\$11.97	\$27.71

Operating Engineers-Commercial

Skilled	\$31.55	\$11.84	\$43.39
Semiskilled	\$30.60	\$11.84	\$42.44
Unskilled	\$23.66	\$11.84	\$35.50

Painters/Brush/Roll

Skilled	\$24.18	\$10.68	\$34.86
Semiskilled	\$16.93	\$9.15	\$26.08
Unskilled	\$12.09	\$8.13	\$20.22

Painters/Spray/Sandblast

Skilled	\$25.18	\$10.68	\$35.86
Semiskilled	\$17.93	\$9.15	\$27.08
Unskilled	\$13.09	\$8.13	\$21.22

**Piledrivers
(Carpenters)**

Skilled	\$28.42	\$13.40	\$41.82
Semiskilled	\$22.74	\$12.03	\$34.77
Unskilled	\$17.01	\$10.70	\$27.71

Pipefitters & Steamfitters

Skilled	\$32.73	\$14.30	\$47.03
Semiskilled	\$18.00	\$10.61	\$28.61
Unskilled	\$14.73	\$10.11	\$24.84

Plasterers

Skilled	\$25.04	\$11.59	\$36.63
Semiskilled	\$20.03	\$11.59	\$31.62
Unskilled	\$15.02	\$11.59	\$26.61

Plumbers

Skilled	\$32.73	\$14.30	\$47.03
Semiskilled	\$18.00	\$10.61	\$28.61
Unskilled	\$14.73	\$10.11	\$24.84

Pointer/Caulker/Cleaners

Skilled	\$29.85	\$10.69	\$40.54
---------	---------	---------	---------

Semiskilled	\$25.37	\$10.69	\$36.06
Unskilled	\$14.93	\$10.96	\$25.62

Roofers

Skilled	\$23.23	\$8.31	\$31.54
Semiskilled	\$16.26	\$5.71	\$21.97
Unskilled	\$11.62	\$2.35	\$13.97

Sheet Metal Workers

Skilled	\$31.46	\$16.88	\$48.34
Semiskilled	\$23.60	\$15.73	\$39.33
Unskilled	\$15.73	\$14.69	\$30.42

Sound and Communication Workers

Skilled	\$24.80	\$11.49	\$36.29
Semiskilled	\$21.05	\$11.33	\$32.38
Unskilled	\$13.60	\$8.44	\$22.04

Sprinkler Fitters

Skilled	\$34.19	\$14.30	\$48.49
Semiskilled	\$24.23	\$14.30	\$38.53
Unskilled	\$17.10	\$7.66	\$24.76

Stone Masons

Skilled	\$29.85	\$10.69	\$40.54
Semiskilled	\$25.37	\$10.69	\$36.06
Unskilled	\$14.93	\$10.96	\$25.89

Tile, Marble Setters

Skilled	\$28.90	\$9.56	\$38.46
Semiskilled	\$26.01	\$9.56	\$35.57
Unskilled	\$13.00	\$9.56	\$22.56

Terrazzo Workers

Skilled	\$29.50	\$9.66	\$39.16
Semiskilled	\$26.55	\$9.66	\$36.21
Unskilled	\$13.28	\$9.66	\$22.94

Tile, Marble, Finishers

Skilled	\$19.80	\$5.86	\$25.66
Semiskilled	\$17.95	\$5.86	\$23.81
Unskilled	\$12.29	\$5.86	\$18.15

Terrazzo Helpers/Finishers

Skilled	\$21.62	\$5.84	\$27.46
Semiskilled	\$18.92	\$5.84	\$24.76
Unskilled	\$12.29	\$5.84	\$18.13

Chemical Workers (Prep & Install Epoxy Coatings)

Skilled	\$21.74	\$5.35	\$27.09
Semiskilled	\$20.74	\$5.35	\$26.09
Unskilled	\$12.29	\$5.35	\$17.64

Truck Mechanic

Skilled	\$22.43	\$8.73	\$31.16
Semiskilled	N/A	N/A	N/A
Unskilled	N/A	N/A	N/A

Truck less 3 Tons

Skilled	\$24.02	\$9.71	\$33.73
Semiskilled	N/A	N/A	N/A
Unskilled	N/A	N/A	N/A

Trucks more 3 Tons

Skilled	\$24.17	\$9.71	\$33.88
Semiskilled	N/A	N/A	N/A
Unskilled	N/A	N/A	N/A

Semi-Trailers Tandem

Skilled	\$24.17	\$9.71	\$33.88
Semiskilled	N/A	N/A	N/A
Unskilled	N/A	N/A	N/A

Winch Trucks

Skilled	\$24.17	\$9.71	\$33.88
Semiskilled	N/A	N/A	N/A
Unskilled	N/A	N/A	N/A

Mechanic

Skilled	\$24.17	\$9.71	\$33.88
Semiskilled	N/A	N/A	N/A
Unskilled	N/A	N/A	N/A

The above definitions shall not apply to workers in the classification of Laborer.

Apprenticeship Programs:

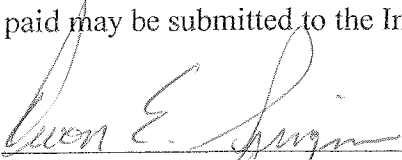
The Wage Committee determines that the common practice in the county is for contractors to participate in bona fide apprenticeship programs registered with the U.S. Department of Labor, Bureau of Apprenticeship and Training and that the rate of pay for the classifications of labor that participate in such programs is based in part on a percentage of the journeyman's rate (skilled rate herein) depending on the individual's progress in the program.

Workers engaged in such an apprenticeship program will be permitted to work at less than the

predetermined rate set out above for the work they perform. Such apprentices must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate which is the skilled hourly rate in this wage scale.

Any worker who is not registered or otherwise employed in a bona fide apprenticeship program registered with the U.S. Department of Labor, Bureau of Apprenticeship and Training and has twelve or more months of cumulative experience in the construction trades shall be paid at the skilled wage rate on this wage determination for the classification of work actually performed by the worker regardless of how the employer classifies such a worker.


Disputes regarding the appropriate classification of workers and the amounts said workers should be paid may be submitted to the Indiana Department of Labor for investigation.



Indiana State AFL-CIO Representative



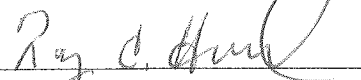
Awarding Agency Representative



Governor's Representative



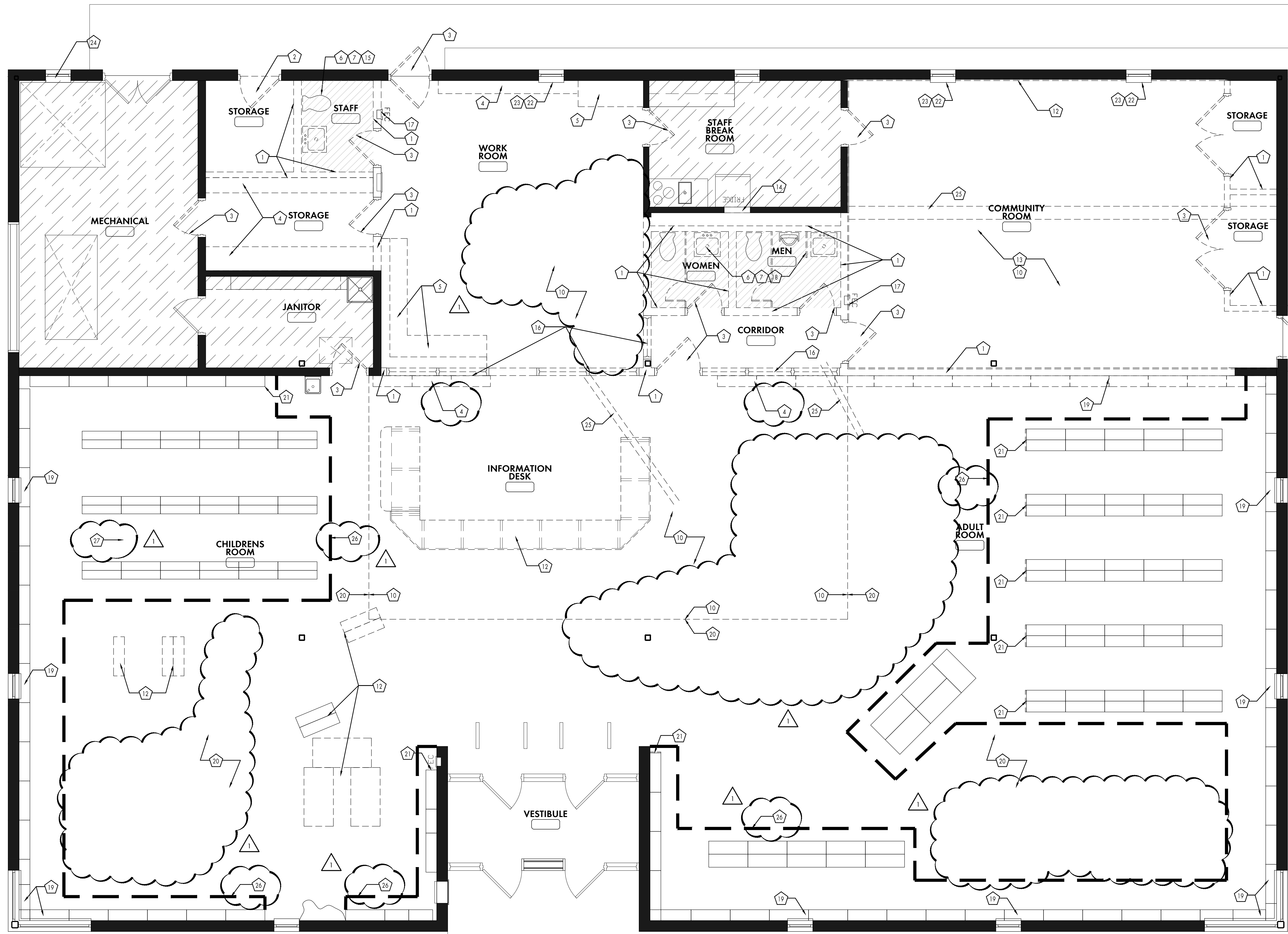
Taxpayer Named by Appointing Agency



Taxpayer Named by County Legislative
Body

3-22-11

Date



- DEMO PLAN KEYNOTES:**
1. DEMOLISH EXISTING 2x4 WALL IN ITS ENTIRETY.
 2. REMOVE EXISTING DOOR, FRAME AND INTERIOR TRIM. PREPARE OPENING TO RECEIVE NEW BRICK MASONRY INFILL TO MATCH EXISTING.
 3. REMOVE EXISTING DOOR AND FRAME IN THEIR ENTIRETY.
 4. REMOVE EXISTING SHELVES - TURN OVER TO OWNER. PATCH AND REPAIR FLOOR AND WALL ASSEMBLIES AS NECESSARY TO ACHIEVE NEW FINISHES.
 5. REMOVE EXISTING MILLWORK IN ITS ENTIRETY. PATCH AND REPAIR FLOOR AND WALL ASSEMBLIES AS NECESSARY TO ACHIEVE NEW FINISHES.
 6. COORDINATE WITH PLUMBING CONTRACTOR ALL FLOOR AND WALL REPAIR NECESSARY DUE TO PLUMBING FIXTURE REMOVAL. PREPARE FOR NEW FINISH.
 7. REMOVE EXISTING TOILET PARTITIONS IN THEIR ENTIRETY. PATCH AND REPAIR WALL ASSEMBLIES AS NECESSARY TO ACHIEVE NEW FINISH.
 8. NOT USED.
 9. NOT USED.
 10. REMOVE EXISTING CARPET FLOOR FINISH IN THIS AREA. PREPARE EXISTING SLAB TO RECEIVE NEW FLOOR FINISHES.
 11. EXISTING WINDOW TRIM TO REMAIN IN PLACE.
 12. REMOVE EXISTING EQUIPMENT - TURN OVER TO OWNER. PATCH AND REPAIR FLOOR AND WALL ASSEMBLIES AS NECESSARY TO ACHIEVE NEW FINISHES.
 13. REMOVE EXISTING 1"x8" WOOD PANELING AND WOOD MOLDING IN THEIR ENTIRETY.
 14. REMOVE EXISTING ACCESS DOOR AND FRAME IN THEIR ENTIRETY.
 15. REMOVE EXISTING CERAMIC TILE FLOOR FINISH AND CERAMIC COVE. PREPARE EXISTING SLAB TO RECEIVE NEW FLOOR FINISH.
 16. REMOVE EXISTING WINDOW SYSTEM IN THEIR ENTIRETY. PATCH AND REPAIR FLOOR AND WALL ASSEMBLIES AS NECESSARY TO ACHIEVE NEW FINISHES.
 17. REMOVE EXISTING RECESSED FIRE EXTINGUISHER CABINET - TURN OVER TO OWNER.
 18. INFILL EXISTING RECESSED FLOOR AREA WITH CONCRETE, LEVEL WITH SURROUNDING FLOOR.
 19. REMOVE EXISTING LAMINATE TOPS AND PREPARE FOR NEW LAMINATE TOPS.
 20. EXISTING FLOOR FINISH TO REMAIN.
 21. REMOVE EXISTING END PANELS.
 22. REMOVE WINDOW SURROUNDS AND PREPARE WALL FOR NEW FINISH.
 23. REMOVE WINDOW TREATMENTS.
 24. REMOVE EXISTING 4" ALUM. LOUVER COMPLETE.
 25. COORDINATE WITH ELECTRICAL CONTRACTOR ALL FLOOR AND WALL REPAIR NECESSARY DUE TO POWER/DATA INSTALLATION. PREPARE FOR NEW FINISH.
 26. SHRINK WRAP EXISTING SHELVING AND BOOKS IN THIS AREA.
 27. EQUIPMENT TO BE TURNED OVER TO OWNER STORAGE LOCATION.

01 DEMOLITION FLOOR PLAN
SCALE: 1/4" = 1'-0"

AXIS
618 East Market Street
Indianapolis, Indiana 46202
ph 317.268.6162 fax 317.268.6163
a x i s a r c h i t e c t s

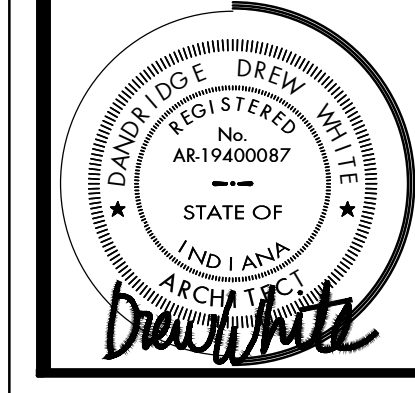
AXIS ARCHITECTS
618 East Market Street
Indianapolis, Indiana 46202
ph 317.268.6162 fax 317.268.6163
www.axisarchitects.com

REVISIONS:
DATE: 05.02.2011

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**DEMOLITION
FLOOR PLAN**
AD101
PROJECT NUMBER: 11008