Addendum 1 for RFB927930-02

Project Name: WRC Decentralization Phase 3 & Fire Alarm Phase 2 & Chapel Sprinkler
DAS RFB #: 927930-02
DAS Project #: 9279.30-31 & 9294.01
Date: 2/2/2024

GENERAL NOTES

Bids Due: February 8, 2024, at 2:00 pm

QUESTIONS AND ANSWERS

Q1. Is any coordination needed between abatement and other contractors for temp window covering, or will CM perform?

A1. This work can be excluded from the BP #01-1 Abatement package. The plan is to remove these windows when we are ready for the new construction or the CM will install temp openings as needed.

Q2. Does the Abatement contractor need to remove the carpet at SDU annex.

A2. Yes, remove the carpet along with the hazardous materials.

Q3. Will there be any phasing for abatement?

A3. There will be at least two (2) mobilizations for each building for a total of at least six (6) mobilizations.

Q4. Will the piping/insulation to be demolished by the abatement contractor be marked in the buildings?

A4. Yes, the pipes that will need to be abated will be painted in a yellow color.

Q5. Is there a certain specification for the temporary barrier in the food service area?

A5. Provide temporary partitions as indicated to separate work areas from Owner-occupied areas and areas not being renovated, to prevent penetration of dust and moisture, and to prevent damage to existing materials and equipment.

Construction: Zip Poles and reinforced polyethylene sheet materials.

ATTACHMENTS

1. Pre-bid Meeting Minutes
2. Sign In Sheet
3. Updated Abatement Specifications

END OF ADDENDUM

STORY CONSTRUCTION

AGENDA
PRE-BID MEETING ISSUANCE #2

WRC Decentralization Phase 3 and Fire Alarm Phase 2 and Chapel Sprinkler
DAS Project No. 9279.30-31 and 9294.01
Woodward, Iowa

10:30 am on *January 25, 2024*

I. **Introductions**
   a. Please register your attendance on the sign-in sheet.

II. **Project Overview**
   a. Project Description: Bid Issuance #2 for WRC Decentralization phase 3 and Fire Alarm phase 2 and Chapel Sprinkler. This bid issuance includes abatement, general construction, and decentralization for the dispatch garage at the Woodward Resource Center.
   b. Bid Packages
      i. **Bid Package #01-1** – Abatement: Trade Contractor shall include all of the following, but not limited to, as part of the contract:
         1. Specifications:
            a. Division 00 – Procurement and Contracting Requirements
            b. Division 01 – General Requirements
               i. Asbestos Abatement Specification dated 1/4/2024 (Prepared by Atlas)
                  1. Complete
            c. Division 02 – Existing Conditions
         2. Clarification: Any pipe with asbestos containing insulation is to be demolished with the insulation and is part of BP #01-1 scope of work. This comment applies to any steam, condensate, and hot water piping.
         3. Clarification: For TSI and Piping abatement please include the drawings on 10-MD100 and 12-MD100
      ii. **Bid Package #09-1** – General Construction: Trade Contractor shall include all of the following, but not limited to, as part of the contract:
         1. Specifications:
            a. Division 00 – Procurement and Contracting Requirements
            b. Division 01 – General Requirements
            c. Division 02 – Existing Conditions
               i. Specification 02 41 00 Demolition. Complete all demo work associated with work corresponding to BP #09-1 to include ceilings, doors, walls, etc.
            d. Division 05 – Metals
               i. Complete.
            e. Division 06 – Wood, Plastics, and Composites
               i. Complete.

f. Division 07 – Thermal and Moisture Protection
    i. Specification 07 41 43 Metal Window Panels – Complete.
    ii. Specification 07 84 00 Firestopping – for adjacent work completed by BP #09-1.
    iii. Specification 07 90 00 Joint Sealants – for adjacent work completed by BP #09-1.
g. Division 08 – Openings
    i. Complete.
h. Division 09 – Finishes
    i. Complete.

2. Includes drawings: 00-G000, 00-G001, 02-A101, 05-A110, 10-AD01, 10-AD11, 10-AD12, 10-A111, 10-A112, 12-AD11, 12-AD12, 12-A100, 12-A111, 12-A112.
3. Clarification of pricing breakdown:
    a. 9279.30 Architectural: Administration Building
        i. 00-G000, 00-G001, 02-A101
    b. 9279.30 Architectural: Elmcrest, Food Service, and Medical Center
        i. 10-AD01, 10-AD11, 10-AD12, 10-A111, 10-A112, 12-AD11, 12-AD12, 12-A100, 12-A111, 12-A112.
4. Clarification: Contractor shall be lead-certified and all work done on areas with lead-containing or lead-based paint must be done by a lead-certified crew member.
5. Clarification: Provide all labor, material, and equipment to install temporary barriers in the Food Service building next to Cooler rooms 102 and 103 that are approximately 12'x8' and 4'x8'. Specification to come in Addendum #1

iii. **Bid Package #23-1 –** Dispatch Garage Decentralization: Trade Contractor shall include all of the following, but not limited to, as part of the contract:

1. Specifications:
    a. Division 00 – Procurement and Contracting Requirements
    b. Division 01 – General Requirements
    c. Division 02 – Existing Conditions
        i. Complete.
    d. Division 07 – Thermal and Moisture Protection
        i. Specification 07 84 00 Firestopping – Complete.
        ii. Specification 07 90 00 Joint Sealants – Complete.
    e. Division 23 – HVAC
        i. Complete.
    f. Division 26 – Electrical
        i. Complete.
2. Includes drawings: 15-G001, 15-G002, 15-MD101, 15-M100, 15-M600, 15-ED201, 15-E201, 15-E600.
3. Clarification: Contractor shall be lead-certified and all work done on areas with lead-containing or lead-based paint must be done by a lead-certified crew member.

4. Clarification: Contractor will need to coordinate and follow requests by Systems Works who is the Commissioning Agent for this project.
5. Clarification: Electrical and general construction work for the Dispatch Garage will be covered under BP #23-1 due to the small scope of work for those trades.

c. Allowances
   i. **BP #09-1 Allowance #01** – Fire Alarm wall patching allowance for shall include all of the following as part of the contract:
      1. Include $40,000 owner wall patching allowance in base bid. Work to be completed on a time and material or proposal basis. Material to be invoiced as cost plus 15%. Please submit labor rate in BP09-1: Unit Price #01.
      2. Allowance will need to be split out per the bid form.

d. Alternates
   i. **BP#09-1 Alternate #01** – Medical Center Storage Room B04: Trade Contractor shall include all of the following, but not limited to, as part of the contract:
      1. Provide all labor, material, and equipment to build two (2) walls in the basement of the Medical Center that are 18'x8' and 57'x8' to create Storage Room B04. See drawing on page 12-A100 for reference.
   ii. **BP#09-1 Alternate #02** – Elmcrest Second Floor Ceilings: Trade Contractor shall include all of the following, but not limited to, as part of the contract:
      1. Provide all labor, material, and equipment to demolish and reinstall ACT grid and tiles for ceilings on second floor of Elmcrest that are not part of the Decentralization scope. See pages 10-AD12 and 10-A112, for reference.
   iii. **BP#09-1 Alternate #03** – Medical Center Second Floor Ceilings: Trade Contractor shall include all of the following, but not limited to, as part of the contract:
      1. Provide all labor, material, and equipment to demolish and reinstall ACT grid and tiles for ceilings on second floor of Medical Center that are not part of the Decentralization scope. See pages 12-AD12, and 12-A112 for reference.

e. Unit Prices
   i. **BP#01-1 Unit Price #01 –** Extra TSI and piping abatement: Trade Contractor shall include all of the following, but not limited to, as part of the contract:
      1. One unit to include: Cost of labor and materials for removing and disposing 10 linear feet of TSI and pipe containing asbestos.
   ii. **BP#01-1 Unit Price #02** – Extra Drywall Abatement: Trade Contractor shall include all of the following, but not limited to, as part of the contract:
      1. One unit to include: Cost of labor and materials for removing and disposing 1 square foot of drywall containing asbestos.
   iii. **BP#01-1 Unit Price #03** – Extra Floor Abatement: Trade Contractor shall include all of the following, but not limited to, as part of the contract:
      1. One unit to include: Cost of labor and materials for removing and disposing 1 square foot of flooring containing asbestos.

iv. **BP#09-1 Unit Price #01** – Wall Patching Hourly Rate: Trade Contractor shall include all of the following, but not limited to, as part of the contract:
    1. One unit to include: Cost for labor and materials for 1 hour worth of work.

f. Schedule
    i. Anticipated Completion of the Elmcrest and Food Service buildings is 5/24/2024.
    ii. Anticipated Completion of Chapel sprinkler and fire alarm is 8/2/2024.
    iii. Anticipated Completion of Administration and Medical Center is 11/8/2024.
    iv. Anticipated Completion of Dispatch Garage is 12/6/2024.
    v. Anticipated schedule flow is Elmcrest & Food Service → Administration & Medical Center.
    vi. Substantial Completion by 12/6/2024.
    vii. Final schedule to be established during Phase-Pull exercise of the CP2.0 process.

g. Site Rules
    i. Onsite supervision by Prime Contractor is required at all times when work by that contractor or their subcontractor/suppliers is taking place.
    ii. Contractor shall provide daily logs for each day they are on site.
    iii. Construction progress meeting will be established once construction starts.
    iv. Clean debris, materials, and bring all finishes back to existing conditions in the area they were working prior to moving to the next area.
    v. Each person must pass a State of Iowa background check prior to working at this campus. There is no cost to the Contractors. We recommend that two weeks be allowed for this process.
    vi. Each person must attend a 15-minute WRC/Story Construction orientation prior to working at this campus.
    vii. Ladders and scaffolding must be taken down when not in use and at the end of each shift. Fuel cans are always to be secured.
    viii. During an emergency, follow the instructions of the security staff.
    ix. Secure all tools at the end of each day. Never leave tools unattended. ~~All tools shall be checked in at the beginning of the day and checked out at the end of the day. If security officers find loose tools, they are under orders to turn them in to their supervisor.~~
    x. Company and personal vehicles are to be parked, windows up, and locked in designated or authorized area of the work and never leave keys in the vehicle.
    xi. All state properties are tobacco free. No smoking will be permitted or tolerated on campus unless in designated areas.
    xii. Wearing hardhats, safety glasses, work boots, long pants, and shirts with sleeves are a requirement of this project.
    xiii. Work Hours
        1. Work hours are not limited at the Medical Center except when working in the pharmacy rooms. Please provide the facility with one week notice before performing any work at the pharmacy, and one of two people at the facility will need to be present during work.

xiv. Temporary Facilities and Controls

1. The Contractor will be allowed to utilize existing utilities. However, the Contractor shall install, maintain, and remove temporary utilities as necessary to suit their needs. Temporary utilities shall not disrupt the Facility's need for continuous service. If using the permanent electrical and water utilities, the Owner will pay for the cost of consumption. (Section 01 5000-1.02)
2. The Construction Manager/Owner will provide or perform the following:
    a. Sanitary facilities.
    b. Temporary gravel parking, laydown, and trailer area.
    c. Dumpster/waste haul-off. Abatement to provide their own separate dumpster for their work.
    d. Relocate all moveable furniture, fixtures, and equipment (FF&E), including window treatments; and personal materials from each sequenced work area prior to demolition and construction activities and after new construction is completed.
    e. All painting required for the project.
    f. Perform fire watch when necessary, but this will need to be coordinated.
3. Contractor to provide:
    a. Plastic barriers for dust control. Abatement contractor to provide barriers for containment zones during construction.

xv. Safety

1. Lock-Out Tag-Out
2. Silica requirements must be followed
3. Public Safety
4. DNR Demolition & Asbestos Form
5. Site Safety Plan
6. Vehicles Need to be Locked at all Times

III. RFB Overview

a. Bid Submission

i. Bids are due at **2:00 pm on Thursday February 8th, 2024.**

ii. Bids shall be submitted to the Issuing Officer through the IMPACS Electronic Procurement System.

1. Link and information is in the project manual.
2. Contractors will need to register prior to bidding.
3. Bidders will need to register regardless of whether it has already done business with the State of Iowa.
4. Bidders should complete the registration process and ensure the ability to log in as soon as possible to ensure Bids can be submitted on the due date.
5. Please make sure the electronic documents submitted contain any required signatures. Digital signatures will be accepted.

6. Do not send a qualified bid. Bid the contract drawings and specifications as written.

iii. Bid Opening will be held via conference call on Thursday, February 8th at 3:00 pm.
1. Teleconference number 352-474-2551, Pin: 783 722 236#

iv. Contractor shall reference section 00 0116 for the bid submittal checklist.
1. Bid Proposal Information
a. Bid Form Excel Version.
2. Non Discrimination Clause Information
3. Contractor Targeted Small Business Enterprise Pre-Bid Contract Information
4. Bid Security – 5% of total Bid amount

v. Apparent low bidder will be required to submit subcontractor/supplier list 48 hours after bid opening.

b. Bid Schedule
i. Questions/Substitutions Due in Writing to Construction.Procurement@iowa.gov: 2/01/2024 at 10:00 am
ii. Bids Due: Thursday February 8th, 2024 at 2:00 pm
iii. Tentative NOI Issued: 2/9/2024

c. Administrative Details
i. The contract between the State of Iowa and the Contractor will be for a lump sum amount, utilizing a modified ConsensusDOCS 802 Standard Form of Agreement. An example of the contract is included in Division 00 of the specifications.
ii. The project is exempt from Sales Tax. See Section 00 2113-3.02.
iii. Davis-Bacon rules do not apply to this project.
iv. Project-specific P&P bonds must be provided prior to contract execution.
v. Project-specific Certificate of Insurance must be provided prior to contract execution. Follow example in the project manual and limits in the 802.
vi. The successful contractor must turn in their list of subcontractors and suppliers within 48 hours of the bid.
vii. DAS will provide tax exempt certificates upon request.
viii. Procore will be used for all project management, at no cost to the trade contractor.
1. Submittals, Invoicing, RFIs, ASIs, PRs, RFQs
2. Contracts, Change Orders and Certificates of Substantial and Final Completion will also use DocuSign.
ix. Contractor Schedule of Values shall be broken out as specified in the project manual.
1. SOV must contain a closeout line item for the greater value of 1% of the total contract value or $1,000.
2. The line item can only be invoiced once the certificate of final completion has been signed by all parties.

IV. Questions

Temporary infills were discussed at the meeting. Clarification will come in addendum #1.

Is there any phasing for the abatement bid package?

V. Walkthrough

WRC Decentralization Phase 3
Pre Bid Issuance #2

January 25, 2024

STORY CONSTRUCTION

Sign-in Sheet

Name	Company	Email Address	Telephone
Sam Vorrie	Story Construction Co.	sam.vorrie@storycon.com	515-291-4483
Darren Milliken	Story Construction Co.	darren.milliken@storycon.com	515-291-5358
Elijah Ralston	Story Construction Co.	elijah.ralston@storycon.com	515-290-1135
Charlie Harris	Story Construction Co.	charlie.harris@storycon.com	515-290-4750
Jennifer Kleene	DAS	jennifer.kleene@iowa.gov	515-822-8197
Rodney Carr	WRC	rcarr@dhs.state.ia.us	515-314-6643
Josh Beck	HSI	JoshB@HSI123.Com	515 210 9803
Steve Hudson	ATLAS	steve.hudson@oneatlas.com	402-670-3848
Josh Copeland	ESA	josh.copeland@esasite.com	515-401-2495
Brad Seymour	Trinity	bseymour@trinity-construction.com	515-371-6738
Jay Llewellyn	AETA	jay.llewellyn@advancedmidwest.com	319-287-4447

ASBESTOS ABATEMENT SPECIFICATION

Woodward Resource Center
WRC Decentralization Phase 3, Fire Alarm Project #9279.30 & 9294.01
1251 334th Street
Woodward, Iowa 50276

February 1, 2024

Project No. 204BS06333-R01

PREPARED FOR:

Iowa Department of Administrative Services
Hoover State Office Building, Level A
Des Moines, Iowa

PREPARED BY:

Atlas Technical Consultants
4503 East 50th Street, Suite 800
Des Moines, Iowa 50317

Tim Jacobsen
Atlas Technical Consultants
Iowa Asbestos Project Designer #23-9651

Asbestos Abatement Specification Section 2081

PART 1 - GENERAL

1.1 INTRODUCTION. Asbestos abatement in building spaces is governed by rules established by the State of Iowa. This specification section addresses or references the requirements for complying with DOL, DNR, OSHA, and EPA NESHAP asbestos rules. Each and every rule requirement may not be restated in detail since trained, accredited, and licensed contractors and individuals are required for this work and are presumed to be familiar with the relevant laws and rules. Full regulatory compliance is required, and is a part of the contract, whether specifically stated herein or not.

1.2 DEFINITIONS. In addition to the terms listed below, all definitions in the laws and regulations listed in Section 1.5 are incorporated by reference, whether or not restated herein.

Asbestos Abatement Supervisor, hereinafter referred to as “supervisor” means any person who supervises asbestos abatement workers. This person must be trained, accredited, and licensed as required, and must also meet OSHA “competent person” criteria for asbestos abatement.

Abatement Contractor (AC) means the entity responsible for performing the work in this section, and has the training and accreditation to competently perform the work. This entity will obtain and maintain licenses required for the work identified in this section.

DNR means the Iowa Department of Natural Resources

Environmental Consultant (EC) is selected by the Owner to serve as the Environmental Project Manager on their behalf. For this project the EC shall be Atlas Technical Consultants (Atlas).

Environmental Project Manager (EPM) is the EC representative to perform environmental monitoring acts on behalf of the Owner on the project.

EPA means the United States Environmental Protection Agency

HEPA Filter means a High Efficiency Particulate Air filter capable of trapping 99.97% percent of mono-dispersed particles greater than 0.3 micrometers in mass median aerodynamic equivalent diameter.

SDS means Safety Data Sheet, required by OSHA for any substances which are toxic, caustic, or otherwise hazardous to workers.

NESHAP means the National Emission Standards for Hazardous Air Pollutants.

NIOSH means the National Institute for Occupational Safety and Health (NIOSH**)**

OSHA means the Occupational Safety and Health Administration.

Owner means the owner of the property and the authority ordering the work specified herein.

PCM means Phase Contrast Microscopy

Plasticize means to apply plastic sheeting over surfaces or objects to protect them from contamination or water damage.

PPE (Personal Protective Equipment) means the protective suits, head and foot covers, gloves, respirators and other items used to protect persons from asbestos or other hazards.

Work Area means the area or areas where asbestos abatement is being conducted.

1.3 SCOPE OF WORK

It is the intent of the Owner to remove the asbestos containing materials identified in Table 1 below.

TABLE 1: ASBESTOS-CONTAINING MATERIALS TO BE REMOVED

MEDICAL CENTER BUILDING		
MATERIAL	**LOCATION**	**APPROX. QUANTITY**
Drywall Mud	Throughout	Thirty 10" Coring Locations
TSI Steam Supply / Condensate Return	Throughout Basement Level	~900 LF
TSI at Domestic Water Connections	Basement B-37	40 LF
Blue Vinyl Flooring	1st Floor Janitor's Closet	3 SQFT
ELMCREST BUILDING		
MATERIAL	**LOCATION**	**APPROX. QUANTITY**
Window Glazing	Exterior Basement Windows	5 Windows
Red/White Window Glazing		
Gray Backing Under Light Brown Flooring	2nd Floor West Stairs Under Lt Brown Flooring	20 SQFT
Gray Backing Under Blue Flooring	1st Floor Under Blue Flooring	Thirty 8" Core Penetrations
Mastic Yellow/Brown & Gray Backing	1st Floor (Coring Locations)	
TSI Steam Supply / Condensate Return	2nd Floor - 215	10 LF
TSI Steam Supply / Condensate Return	Throughout Basement Level	~1,600 LF
ADMINISTRATION BUILDING		
MATERIAL	**LOCATION**	**APPROX. QUANTITY**
Window Glazing	First Floor	3 Windows
Brown Ceiling Tile Pucks	2nd Floor: Walnut Room & East Entrance	15 SQFT
Laminate Flooring & Carpet	SDU Annex	650 SQFT
Drywall Mud	1st Floor Business Office	Twenty-five 8" Core Penetrations

Drawings are provided to identify general locations of these materials. All ACM noted on the drawings shall be removed including any incidental asbestos containing materials such as fittings covering pipes. The contractor is responsible for quantifying the materials in the scope of work prior to bid. Any discrepancies of locations or quantities should be brought to the attention of Owner's

Representative as soon as possible and before the bid due date. ACM found inside the work areas, or noted in the drawings, shall be the responsibility of the Contractor for abatement at no additional cost to the Owner.

1.4 WORK INCLUDED

A. The work includes all labor, equipment, materials, and supplies necessary to perform the Scope of work in the Documents by the procedures described herein. The contractor, by submitting a bid for the work, represents itself as knowledgeable and expert in the performance of the work, and includes all things usually and customarily necessary to provide a complete and finished job, whether specifically mentioned or not. Related work may be shown in other related documents, prepared by others. Where there is conflict in the documents, written clarification should be requested to the EC.

B. Removal of asbestos-containing material listed in Section 1.3, including pre-cleaning, establishing regulated areas, isolating the work areas, protection of adjacent areas, containment, construction curtain, cleanup and decontamination to the specified clearance levels, proper packaging and disposal of wastes, and all other steps necessary to complete the scope of work.

C. Prior to performing abatement, the Contractor is required to restrict public access and visibility of the work by installing a temporary barrier in front of the staging area. The barrier shall include black poly sheeting and secured to prevent unauthorized access.

D. Exhaust units must be vented to the outside of the building. This may involve the use of additional lengths of flexible duct connected to the unit and routed to the nearest outside opening. When not feasible due to fixed windows, as determined by the EC, negative air machines will be double HEPA filtered. The area receiving the exhaust shall not interfere with building occupant activities. Air monitoring by the EC shall be performed at the final exhaust location of the negative air machine if exhausting to the indoors.

E. Compliance with all applicable laws, regulations, standards, and these specifications. In the case of a conflict, the contractor will comply with the most stringent.

F. Contractor is required to fully comply with these specifications.

G. All licenses, accreditations, permits, fees, notifications, reports, or other documents required by law, regulation, this specification, or the Documents.

H. Provide project closeout documentation to the EC within thirty (30) days after final clearance of each Phase. This documentation shall include, but is not limited to, items listed in Section 1.7, Submittals by the Contractor.

1.5 LAWS, REGULATIONS AND STANDARDS

A. The following laws, regulations, and standards are incorporated by reference:

1. Iowa Division of Labor (DOL), Iowa Workforce Development
   Iowa Administrative Code (IAC) 875 Chapter 10 (IAC 875-10)
   IAC 875-155

2. Iowa Department of Natural Resources (IDNR)

IAC 567-23

3. Occupational Safety and Health Administration administered by the Iowa Department of Labor:

29 CFR 1910.134	US OSHA Respiratory Protection
29 CFR 1910	US OSHA General Industry Standards
29 CFR 1926	US OSHA Construction Standards
29 CFR 1926.1101	US OSHA Asbestos Construction Standards
29 CFR 1910.1001	US OSHA Asbestos Standards

4. Environmental Protection Agency NESHAPS regulations administered by the Iowa Department of Natural Resources including:

ASHARA	US EPA Asbestos School Hazard Abatement Reauthorization Act
40 CFR Part 61	US EPA National Emissions Standards for Hazardous Air Pollutants (NESHAP)
40 CFR 763 Subpart E	US EPA Asbestos Hazard Emergency Response Act (AHERA) Rules
40 CFR 763 Subpart E, Appendix C	US EPA Asbestos Model Accreditation Plan (MAP): Interim Final Rule

1.6 ASSESSMENT, MONITORING, TESTING AND ANALYSIS

A. The EC or Environmental Consultant will be independent of the Contractor and hired by the State for monitoring the project. The EC will perform testing, inspection, and monitoring services, as needed, during the asbestos work and upon its completion. The EC will be licensed for asbestos, trained for phase contrast microscopy (PCM) analysis and a participant in a quality control program for proficiency. The monitoring will include the following parameters:

1. On an as needed basis during the work, the EC shall:

   a. Enter the work area to inspect the work procedures and work area integrity.
   b. Collect air samples outside the work area at the perimeter and at the exhaust of the negative air machine.
   c. The EC will stop the work if airborne asbestos concentrations outside the work area exceed 0.01 f/cc. The work may restart when the source of fiber release has been identified and corrected. Contractor will be responsible for cleaning and decontaminating the outside area if caused by the asbestos abatement activities.

2. Upon completion of the work, the EC shall:

   a. Visually inspect the work area for visible debris and/or gross contamination.
   b. Contractor shall be required to re-clean the area, or portions of areas, until no visible debris and/or gross contamination remains and the work area is dry.
   c. Clearance testing by PCM will be performed for each work area.
   d. Collection and analysis of samples will be conducted in general accordance with NIOSH Method 7400 and the clearance level will not exceed 0.01 f/cc.
   e. Preparation and submittal of the Project Report to the Owner within 30 days of project completion and receipt of all waste manifests.

B. The Contractor shall provide OSHA compliance air monitoring to determine exposures to its employees in accordance with OSHA 29 CFR 1926.1101. Frequency of testing will comply with OSHA requirements for the anticipated and actual exposure levels.

1. A written Exposure Assessment is required prior to the start of the work to determine the requirements for respiratory protection and frequency of OSHA monitoring for each type of activity. If the DOL requests additional monitoring and data for the exposure assessment, the testing will be conducted at the expense of the abatement contractor.
2. Analysis may be performed on-site by a trained Air Sampling Professional experienced in the fiber counting methods outlined in NIOSH Method 7400 and supporting training documentation or successful training certificate.

1.7 SUBMITTALS BY THE CONTRACTOR

A. Bid Submittals. The following list of items shall be submitted in whole as part of the bid. If the following items are not included in the bid package by the Contractor, the bid may be rejected.

1. Contractor must submit a copy of their current unexpired Iowa permit/license to perform asbestos abatement and their Iowa Contractor Registration.

2. Disclosure of past and pending violations in respect to environmental, safety or asbestos rules (State and Federal).

B. All asbestos notifications should be made within the accepted time frame to the Iowa Department of Natural Resources and Iowa Department of Labor as required. Notifications shall be submitted a minimum of 10 working days before commencement of work. A copy of the required submittals shall also be provided to the EC for review prior to submittal to the regulatory agencies.

C. After the project is awarded, the selected Contractor shall provide the following to the EC five days prior to commencement of Work:

1. Certificates of General Liability and Pollution Liability Insurance with State of Iowa named as "additional insured", as follows: see General Conditions.

2. List and qualifications of subcontractors to be used for the completion of the project.

3. Documentation of arrangements of transport and disposal, and landfill name and location.

4. Contractor must submit a copy of their current unexpired Iowa Asbestos Abatement Worker and Supervisor license for all workers anticipated to be assigned to this project. Worker training documentation, medical examinations, fit tests, certifications and training courses shall also be provided that are relevant to the Project.

5. Drawings or sketches for layout and construction of isolation barriers and decontamination units and type of containments.

6. Respirators: NIOSH approvals and manufacturer certification of P-100 cartridges.

7. Fit test documentation for all employees and the fit test agent.

8. Manufacturers' certifications that all HEPA vacuums, negative air pressure equipment, and other local exhaust ventilation equipment conform to ANSI Z9.2-79

9. OSHA Exposure Assessment, if applicable.

10. Laboratory and analyst credentials for contractor OSHA samples.

11. Safety Data Sheets (SDS) for chemicals used on-site.

D. To the EC weekly during the abatement work:

1. Job progress reports detailing abatement activities, progress compared to schedule, problems and actions taken, injury reports, and equipment breakdowns.
2. Quantity of asbestos materials removed.
3. Waste Shipment Records.
4. Work site Entry logs.
5. Measurement logs for negative pressure differentials for each containment.
6. Filter Change logs for respirators, HEPA vacuums, negative air machines, and other engineering controls.
7. OSHA compliance air monitoring data.
8. Worker license and certification log.

PART 2 - PRODUCTS

2.1 TOOLS and EQUIPMENT. All equipment shall at least conform to minimum industry standards (i.e. ground-fault circuit interrupter (GFCI)).

A. Equipment:

1. Negative Air Machines shall provide HEPA filtration and conform to ANSI Z9.2 fabrication criteria.
2. Respirators shall be NIOSH approved for use with asbestos or other contaminants anticipated in the work.
3. Contractor is fully responsible for complying with OSHA rules for other safety equipment, such as protective suits, head and foot covers, gloves, respirators and other items used to protect persons from asbestos or other hazards.

B. Tools:

1. Shovels and scoops shall be metal, rubber or plastic, suitable for use in a plasticized containment.
2. Scrapers, brushes, utility knives and other hand tools shall be of good quality and suitable for the intended uses. The contractor shall keep an ample supply on hand for the completion of the work. If fixed open blade knives are to be used, the proper hand protection shall be utilized (i.e. cut resistant gloves).

3. Power tools such as, but not limited to saws, pneumatic chisels, brushes, sanders, and needle guns shall be equipped with shrouds and HEPA-filtered local exhaust systems to capture released particles.
4. Submit proposed tools and methods to be used for removal.
5. Unsafe tools or improper usage of tools may become prohibited items at the discretion of the Owner's Representative based on safety concerns.

2.2 MATERIALS

A. Installed materials which become a part of the work such as, but not limited to, encapsulants shall be of good quality, non-lead-bearing, free of asbestos, and conform to the respective reinstallation specification sections prepared by others.

1. Contractor shall ensure that encapsulants and sealants used as primers, basecoats, or covering existing materials are compatible with the respective existing or reinstallation materials and their manufacturers' warranties.

B. Abatement materials

1. Polyethylene sheeting for all applications shall be 6-mil nominal thickness for floors, drop cloths, and walls.
2. Tape shall be 2" or 3" duct tape or other waterproof tape suitable for joining poly seams and attaching poly sheeting to surfaces.
3. Spray adhesives shall be non-flammable and free of methylene chloride solvents.
4. Disposal bags shall be 6-mil polyethylene and shall be properly labeled.
5. Disposable suits, hoods, and foot coverings shall be TYVEK® or similar.
6. Solvents shall be compatible with any primers, mastics, adhesives, paints, coatings, or other surfacing materials to be installed following their use.

C. ACCEPTABLE MANUFACTURERS/PRODUCTS: All products must meet or exceed ASTM standards.

PART 3 - EXECUTION

3.1 EMPLOYEE TRAINING, QUALIFICATION AND MEDICAL SCREENING

A. Supervisors and Workers shall be trained, accredited, and licensed in accordance with State and Federal rules.

1. Contractor shall keep copies of licenses, initial training course certificate, and most recent annual refresher training certificate at the jobsite at all times for all contractor personnel.
2. A licensed asbestos abatement supervisor (competent person) shall be present at the worksite at all times when work under this section is being conducted.

B. Medical Screening. All contractor personnel shall have a current medical examination in accordance with OSHA requirements. Copies of the Physician's Written Opinions shall be kept on site.

3.2 PERMISSIBLE EXPOSURE LIMITS

A. The OSHA permissible exposure limit (PEL) for worker exposure to airborne asbestos is 0.1 f/cc as an 8-hour time-weighted average (TWA).

B. The OSHA short term excursion limit for worker exposure to airborne asbestos is 1.0 f/cc for a 30 minute sample.

C. The permissible level of airborne fibers in areas adjacent to the work area is 0.01 f/cc as determined by PCM in general accordance with NIOSH Method 7400.

1. Work shall immediately cease in the work area containment when an airborne fiber concentrations exceed this level.
2. The source of outside contamination shall be determined, and corrective measures (e.g. wet cleaning, changes in work practices, negative pressure containment) shall be implemented to prevent recurrence.
3. The contractor shall be responsible for cleanup of contamination in adjacent areas caused by the asbestos abatement activities.

3.3 EXPOSURE ASSESSMENT AND MONITORING

A. The Contractor shall make an assessment of the airborne exposures. The assessment shall conform to OSHA requirements and may be based upon:

1. Initial monitoring of representative workers who the contractor believes are exposed to the greatest airborne concentrations of asbestos.
2. Past monitoring (within the past 12 months) or objective data for conditions closely resembling the processes, type of material, control methods, work practices and environmental conditions to be used for this project.
3. Review of the documentation may require approval from local regulators to be accepted.

B. The contractor shall perform daily personal monitoring in accordance with those requirements as established in OSHA or by the local governing authority / enforcement officer.

3.4 RESPIRATORY PROTECTION

A. Respiratory protection shall be worn by all persons potentially exposed to airborne asbestos fibers from the start of the abatement project until all areas have passed clearance air monitoring.

B. Contractor shall have a written respiratory protection program in accordance with OSHA 29 CFR 1910.134, including but not limited to, medical screening, semi-annual fit testing, training, cleaning and maintenance.

C. Respirators shall not be removed while in the work area.

D. Only NIOSH-approved respirators shall be used.

E. Additional respiratory protection such as organic vapor cartridges, may be needed when handling some solvents, coatings, or stripping products. Consult the MSDS, manufacturer, or industrial hygienist, and obtain the proper cartridges and usages as necessary.

3.5 HYGIENE PRACTICES

A. Eating, drinking, smoking, chewing gum or tobacco, and applying of cosmetics are not allowed in the work area.

B. All persons entering the work area are required to wear appropriate PPE, and follow the entry and exit procedures posted in the Personnel Decontamination Enclosure System.

C. PPE shall include, at a minimum:

1. Full body disposable suits, hard hat, eye protection, respirator, and proper footwear.
2. Gloves.
3. Non-disposable footwear and clothing shall remain in the work area and shall be disposed of as contaminated waste when the job is completed.
4. Authorized visitors shall be provided with suitable PPE.

3.6 PROHIBITED ACTIVITIES.

A. Dry removal or dry sweeping.

B. Use of compressed air for cleaning.

C. Use of high speed power tools not equipped with a HEPA-filtered local exhaust system.

3.7 WORK AREA ISOLATION AND PREPARATION

A. General Preparation. Contractor shall:

1. Post:

a. OSHA asbestos warning signs at every entrance to the work area.
b. Decontamination and work procedures in equipment rooms and clean rooms.
c. EPA NESHAP asbestos rules (40 CFR Part 61, subparts A & M) in the clean room.
d. OSHA Asbestos Construction Standards (29 CFR 1926.1101) in the clean room.
e. Entry and Exit Log
f. List of telephone numbers in the clean room for:

(1) local hospital and/or local emergency squad.
(2) owner security office (if applicable).
(3) owner representative reachable 24 hours per day.
(4) contractor’s headquarters.

(5) architects or consultants directly involved in the project.

2. Secure the work area from entry by unauthorized persons using black polyethylene sheeting as a construction area barrier and post construction warning signs.
3. Separate work areas from occupied areas.

    a. Seal off all doorways and corridors which will not be used for passage during work.
    b. Install isolation barriers in all openings larger than 4’ x 8’, consisting of double-layer 6-mil poly to prevent access to the contained areas.
4. Have an approved fire extinguisher in the equipment room.
5. Install and maintain walk-off mats to the general work entrance.

B. Interior Preparation

1. Install negative air machine in the work area. The equipment shall exhaust through a HEPA filter to the outside of the building or the exhaust will be double filtered. The equipment shall remain in operation twenty-four hours a day until decontamination of the work area and final air sampling and analysis is completed. Seal openings around exhaust ducts. Exhaust from the negative air movement equipment shall not be allowed to be released within the buildings unless unfeasible as determined by the EC. All HEPA filtered air movement equipment shall be maintained according to this specification or regulations.
2. Coordinate with the Facility or Mechanical Contractor for the shut down and isolation of heating, ventilating, air conditioning (HVAC) systems which are within the work area.
3. Seal off all windows, corridors, doorways, bathrooms, closets, skylights, ducts, grilles, diffusers, and other penetrations or openings with 6-mil poly and tape.
4. Protect and cover floors, in those areas in which no abatement is to be performed with 6-mil poly with seams staggered and taped, and extending 12” up walls. Maintain for the duration of the project.
5. Protect and cover the walls in the work area.
6. Protect and cover non-movable fixed objects from which no abatement will be conducted (e.g. fixed cabinets, shelves, etc.). Pipe insulation on steam / condensate piping will be removed along with the pipe itself.
7. Asbestos materials shall not be disturbed during the preparation phase.
8. Maintain emergency and fire exits.
9. In abatement work areas install a three chamber Worker Decontamination Enclosure System, consisting of clean room, shower room, and equipment room separated by air locks, all with curtained doorways, of sufficient size to serve the size of the crew. If appropriate, apply for a waiver for an offsite decontamination area for buildings / areas where a full decontamination unit cannot be installed.

    a. Where an adjacent decon unit is not feasible (i.e., for multiple tented glovebag operations), the AC shall (only with an approved variance from the EC):

(1) set up the decon unit within the work area barriers
(2) establish a negative pressure of at least 0.02” water column (wc) between the equipment room and adjacent spaces, including the clean room
(3) provide at least 4 air changes per hour within the decon unit

10. Once operational, the system shall be inspected daily. Damages and defects will be repaired immediately upon discovery.

C. Exterior Preparation (for areas that interface with interior work)

1. 6 mil poly sheeting shall be placed over the ground, foundation, or other surfaces below the abatement area.
2. Unauthorized entry shall be prevented by using appropriate barriers, such as warning tape, fencing, or other suitable barriers.
3. Nearby air intakes, grilles, and other openings into the building interior shall be sealed off with 6 mil poly and tape.

3.8 ABATEMENT PROCEDURES

A. Removal:

1. Asbestos materials shall be wetted and kept wet during removal.
2. ACM waste shall be bagged or containerized as it is removed.
3. Work areas shall be kept wet until visible material is cleaned up.
4. Asbestos waste shall be removed from the work area daily.

a. The waste shall be placed and sealed in a properly labeled 6-mil poly bag.
b. The bag shall be cleaned and placed in a second properly labeled 6-mil poly bag. This bag shall be sealed by securing with duct tape, folding over taped area and goose necking with duct tape.

3.9 CLEANING AND DECONTAMINATION

A. All visible accumulations of ACM, debris, tools, and unnecessary equipment shall be removed from the work area.

B. First clean:

1. Wet clean all surfaces and remove excess water.
2. Remove outer layer of poly and dispose as ACM waste (splash guards and poly protecting the underlying surfaces).
3. Critical barriers on windows, doors, penetrations, and other openings shall remain in place and negative air system shall remain in continuous operation until final clearance tests have passed.

C. Visual inspection: EC and contractor jointly inspect the work area for visible residue and excess water and, if observed, repeat the clean/ wait cycle until residues are not detected and work area is dry.

D. Remove all tools, cleaning materials, remaining wastes from the work area.

E. Apply lock-down encapsulants where specified in the Documents.

F. Notify EC that work area is ready for final clearance testing.

3.10 FINAL CLEARANCE

A. Final clearance testing shall be performed after the final cleaning and visual inspection has been completed and where no visible water or condensation remains.

B. All work areas shall be tested and analyzed by either PCM or Transmission Electron Microscopy (TEM) methodologies.

C. If final clearance test(s) fail, the AC shall be responsible for repeating the cleaning sequence as necessary until final clearance tests are successful, at no additional cost to the owner. The AC shall also be responsible for paying for the additional time and expenses incurred by the EC for conducting the repeat clearance sampling, analysis and project oversight.

D. Upon completion of a successful visual inspection and test, a “punch list” walkthrough shall be conducted for each area that contained special wastes, non-hazardous special waste or hazardous waste within five working days (per building) of completion of the work by the Contractor. The Contractor, Environmental Consultant and the Owner will participate in the walkthrough. All punch list items shall be completed within five working days of walkthrough. The items will include all deficiencies found in the inspections of the AC’s work which is to be corrected. When the deficiencies have been removed, the AC shall request a re-inspection by the EC.

3.11 SPECIAL PROCEDURES

A. **Glovebag Procedure**. Glovebags may be used to remove small sections of ACM pipe insulation encountered.

1. Typical preparation/notification requirements apply.
2. Glovebag removal will require a single layer, 6 mil poly tent containment with negative pressure air filtration.
3. Monitoring will be performed by the EC.
4. Glovebag construction shall be 6 mil poly with seamless bottom, suitable for the intended use (straight runs, fittings, elbows, vertical pipes, etc.) without modification.
5. At least two licensed workers shall perform glovebag operations.
6. Workers shall wear full body PPE and at least a ½ mask APR equipped with a P-100 cartridge. Note here, too, that OSHA still requires an exposure assessment and respirators that are appropriate for the expected airborne fiber concentrations.
7. Prior to use, all loose or damaged material adjacent to the operation shall be wrapped in two layers of 6 mil poly or otherwise be rendered intact.
8. Work Practices shall include:

a. Install to completely cover the circumference of pipe or other structure. Pipe insulation diameter shall not exceed ½ the bag working length above the glove sleeves.
b. Smoke test for leaks and seal any leaks prior to use.
c. Single use and not moved.
d. Wet removal methods on the materials to be removed and wet cleaning to remove all visible ACM from the pipe or structure surfaces.
e. Not to be used on surfaces greater than 150^0F.
f. Spray down the interior surfaces of the bag, substrate, and removed ACM.
g. Wet down remaining ACM surfaces or seal with encapsulant.
h. Seal off the lower portion of the bag containing the ACM waste by twisting several times and sealing with tape.
i. Collapse glovebag with a HEPA vacuum.
j. Place the detached glovebag directly into a 6 mil poly waste disposal bag and gooseneck-seal it in the waste disposal bag for disposal.
k. Dispose in accordance with this specification.

3.12 WASTE DISPOSAL AND EQUIPMENT LOAD-OUT

A. Preparing equipment for load-out

1. Remove gross debris from equipment and wet-wipe all surfaces.
2. Seal openings to prevent escape of internal contamination; or open up equipment, remove filters, and make equipment interiors accessible for cleaning and decontamination.

B. Packaging asbestos wastes:

1. All asbestos-containing wastes, including removed ACM and debris, containment poly, critical barrier materials, suits, respirator cartridges, vacuums and negative air machine HEPA filters, water filters, and other asbestos-containing items shall be properly packaged in 6 mil poly for disposal.
2. Use double 6 mil poly bags with “gooseneck” seal, or other impermeable containers.
3. Wrap large or irregular items in 2 layers of 6 mil poly sheeting and seal with tape.
4. Sharp, jagged, or other items that may puncture poly shall be packaged in rigid impermeable containers such as drums or boxes, or wrapped in burlap or other protective covering before sealing in double bags or double layers of 6 mil poly.
5. Label containers:

a. OSHA warning label.
b. DOT performance-oriented hazardous material label.
c. Name and address of generator and abatement location.

C. Removing items from the work area:

1. Packaged asbestos wastes, non-porous debris (such as doors, hardware, and other items that can be decontaminated), and equipment shall be wet cleaned, moved into the equipment decontamination enclosure system, cleaned a second time, and moved into the holding area.
2. Containers and equipment shall be removed from the holding area by workers in clean PPE and respirators who enter from the uncontaminated side (outside). The equipment decontamination enclosure system shall not be used to enter or exit the work area.

D. Storage of packaged asbestos wastes shall be in a completely enclosed dumpster or other suitable container that can be secured. The secured area shall be kept locked at all times to prevent unauthorized access.

E. Shipment of items from the project.

1. Decontaminated tools and equipment may be shipped by normal carrier to warehouse, another jobsite, or other destination.
2. For asbestos wastes:

    a. Line shipping container with 6 mil poly prior to loading packaged asbestos wastes.
    b. Post NESHAP placards during loading.
    c. Persons performing loading operations shall wear PPE including respirators.
    d. Containers and packages shall be tightly packed together to prevent shifting during transport. Large components or heavy items shall be secured to prevent shifting, and shall not be stacked on top of bags.
    e. Execute the NESHAP-required Waste Shipment Record (WSR) to be signed by the generator, transporter, and landfill. All WSRs shall be returned to the EC within 30 days of shipment.

F. Disposal of packaged asbestos wastes.

1. Only landfills approved and permitted by the State of Iowa for accepting asbestos wastes may be used for disposal.

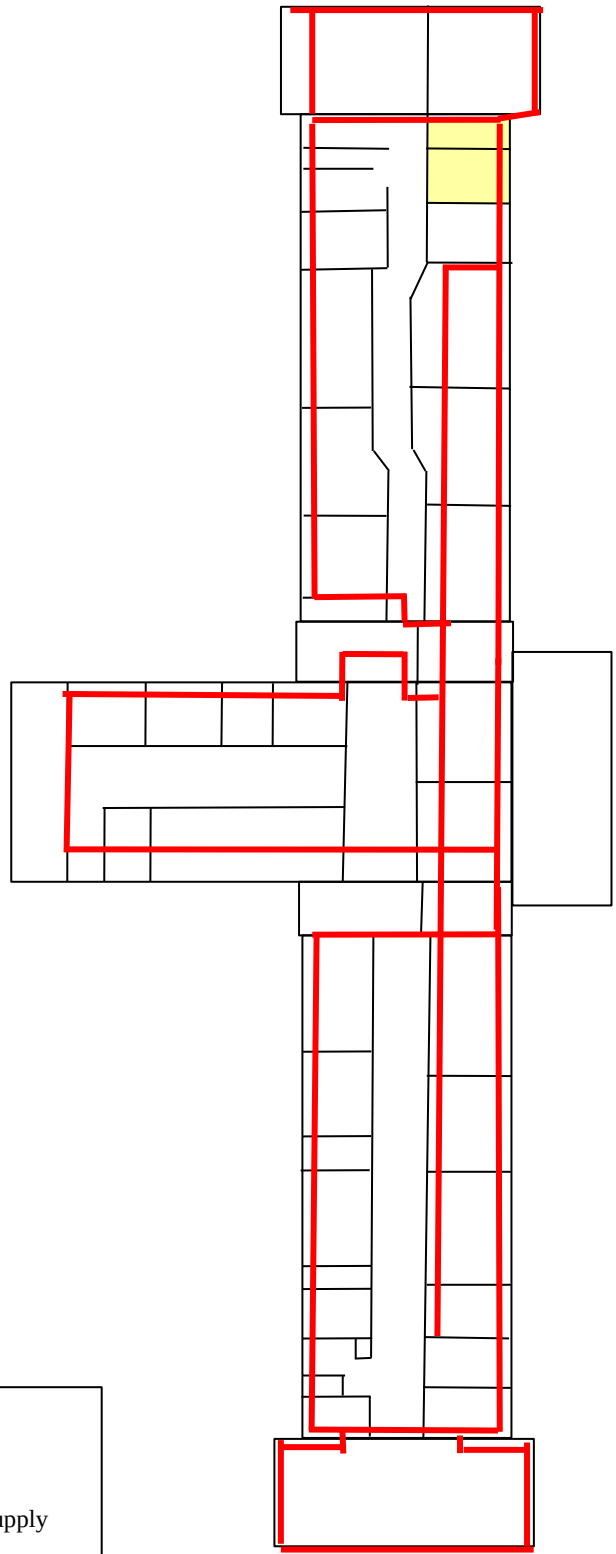
3.13 DEMOBILIZATION

A. EC shall visually inspect the work area for evidence of visible debris prior to releasing the area for tear-down. Detection of contamination will require additional cleaning and re-testing of the work area.

B. Remove critical barriers and seals.

END OF SECTION 02081

Drawings – Medical Center Building



Legend

Asbestos on steam and condensate piping

TSI on domestic water supply connections

ATLAS

4503 E 50th Street, Suite 800
Des Moines, IA 50317

ASBESTOS MATERIALS DRAWING

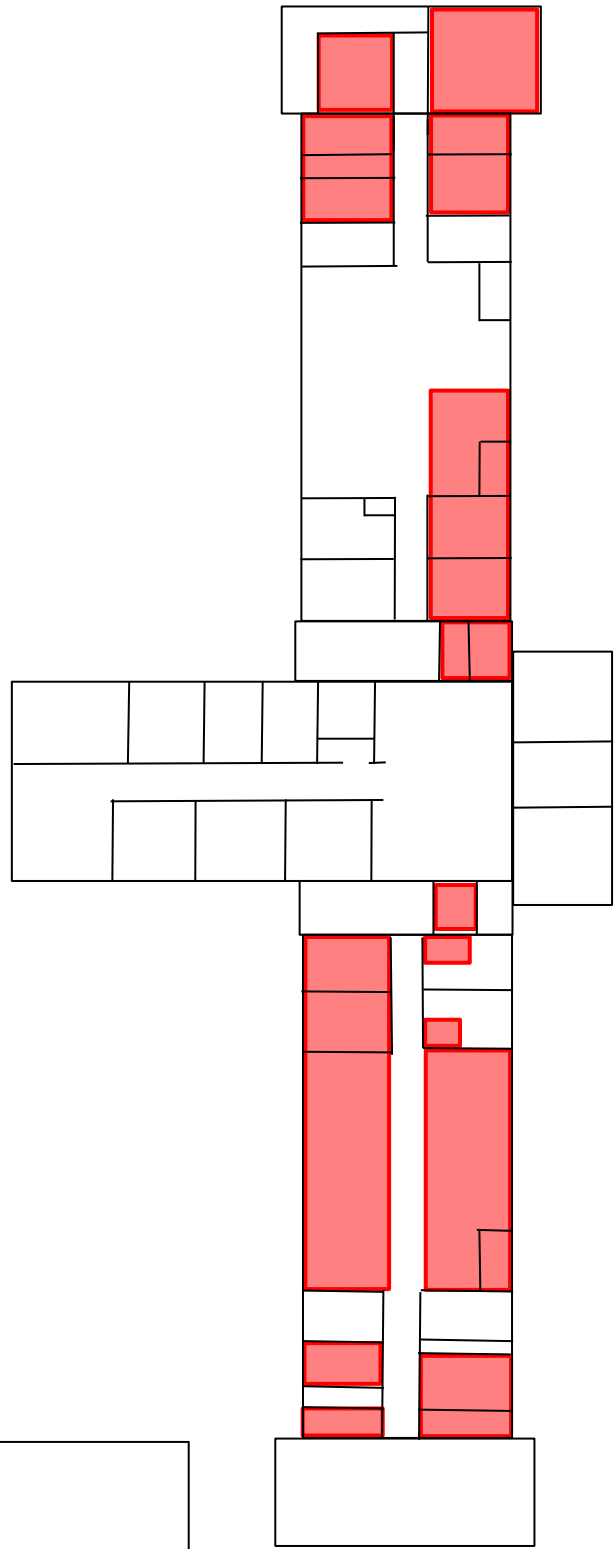
PROJECT NO: 204BS06333

DESIGNED BY: Atlas	SCALE: NTS	REVIEWED BY: EM
DRAWN BY: EM	DATE: 12/7/2023	FILE: SiteMap.PPT

Medical Building
Basement

1251 224th St.
Woodward, IA 50276

Tim Jacobsen
Atlas Technical Consultants
Iowa Asbestos Project Designer #23-9651



Legend

Drywall Mud

ATLAS

4503 E 50th Street, Suite 800
Des Moines, IA 50317

ASBESTOS MATERIALS DRAWING

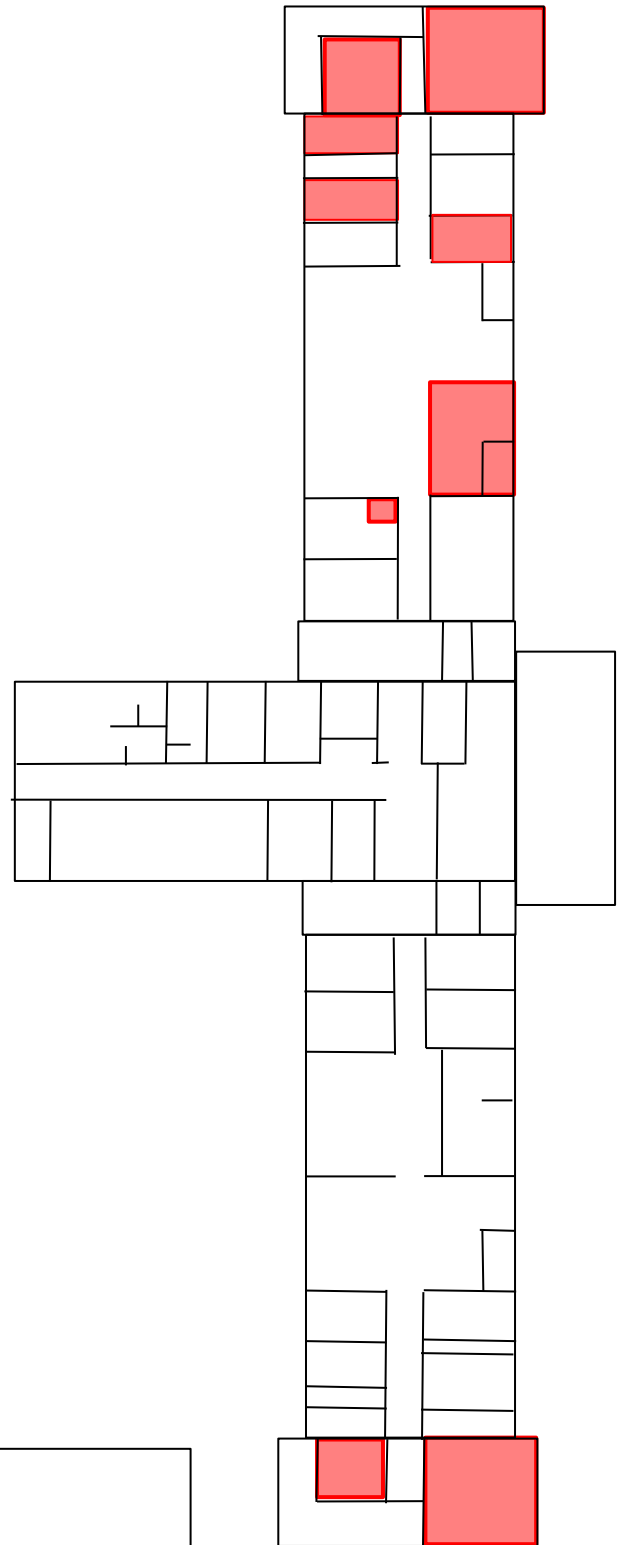
PROJECT NO: 204BS06333

DESIGNED BY: Atlas	SCALE: NTS	REVIEWED BY: EM
DRAWN BY: EM	DATE: 12/7/2023	FILE: SiteMap.PPT

Medical Building
First Floor

1251 224th St.
Woodward, IA 50276

Tim Jacobsen
Atlas Technical Consultants
Iowa Asbestos Project Designer #23-9651



Legend

Drywall Mud

ATLAS

4503 E 50th Street, Suite 800
Des Moines, IA 50317

ASBESTOS MATERIALS DRAWING

PROJECT NO: 204BS06333

DESIGNED BY: Atlas	SCALE: NTS	REVIEWED BY: EM
DRAWN BY: EM	DATE: 12/7/2023	FILE: SiteMap.PPT

Medical Building
Second Floor

1251 224th St.
Woodward, IA 50276

Tim Jacobsen
Atlas Technical Consultants
Iowa Asbestos Project Designer #23-9651

Legend

Blue Vinyl Flooring

N

ATLAS

4503 E 50th Street, Suite 800
Des Moines, IA 50317

ASBESTOS MATERIALS DRAWING

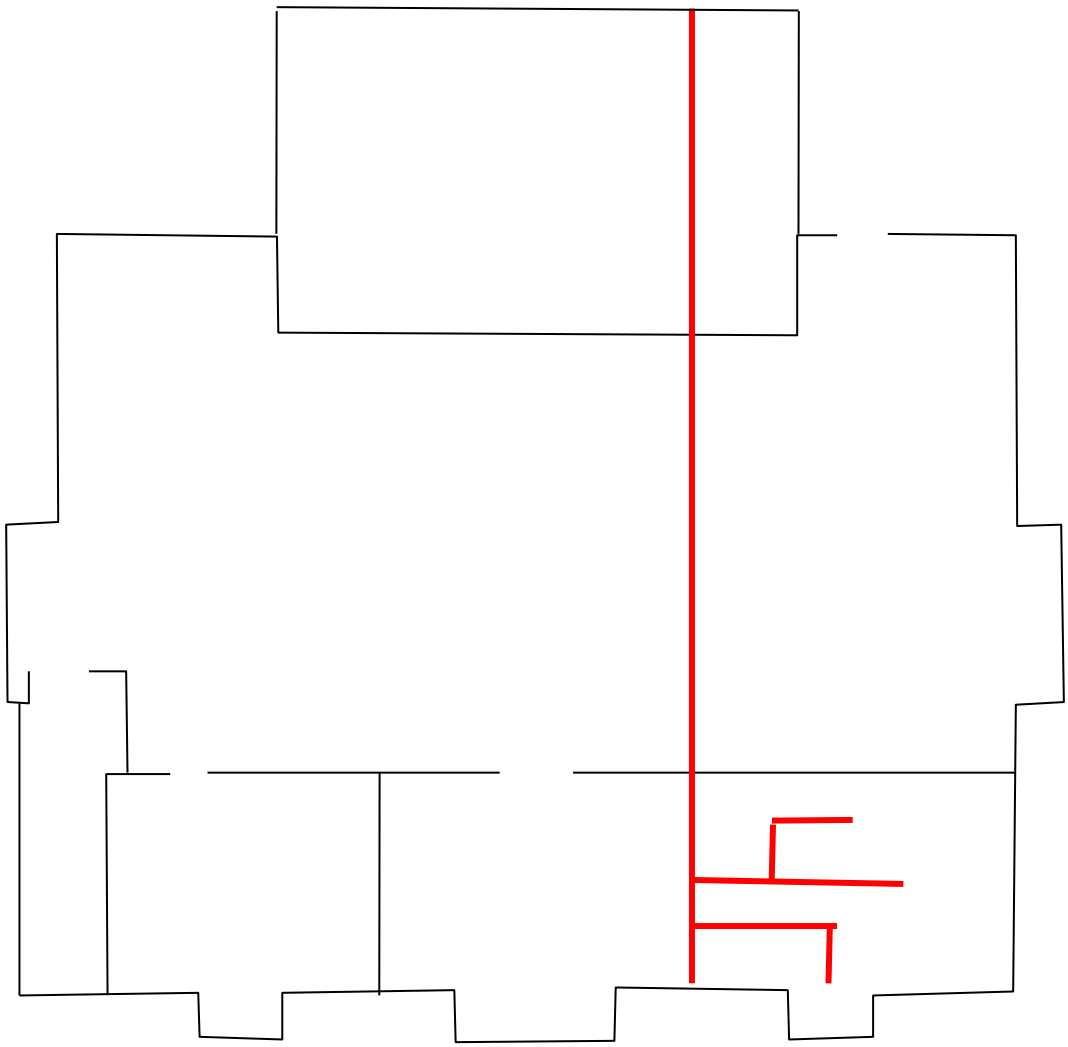
PROJECT NO: 204BS06333

DESIGNED BY: Atlas	SCALE: NTS	REVIEWED BY: EM
DRAWN BY: EM	DATE: 12/7/2023	FILE: SiteMap.PPT

Medical Building
South Wing First Floor

1251 224th St.
Woodward, IA 50276

Tim Jacobsen
Atlas Technical Consultants
Iowa Asbestos Project Designer #23-9651



Legend

Asbestos on steam and condensate piping

N

ATLAS

4503 E 50th Street, Suite 800
Des Moines, IA 50317

ASBESTOS MATERIALS DRAWING

PROJECT NO: 204BS06333

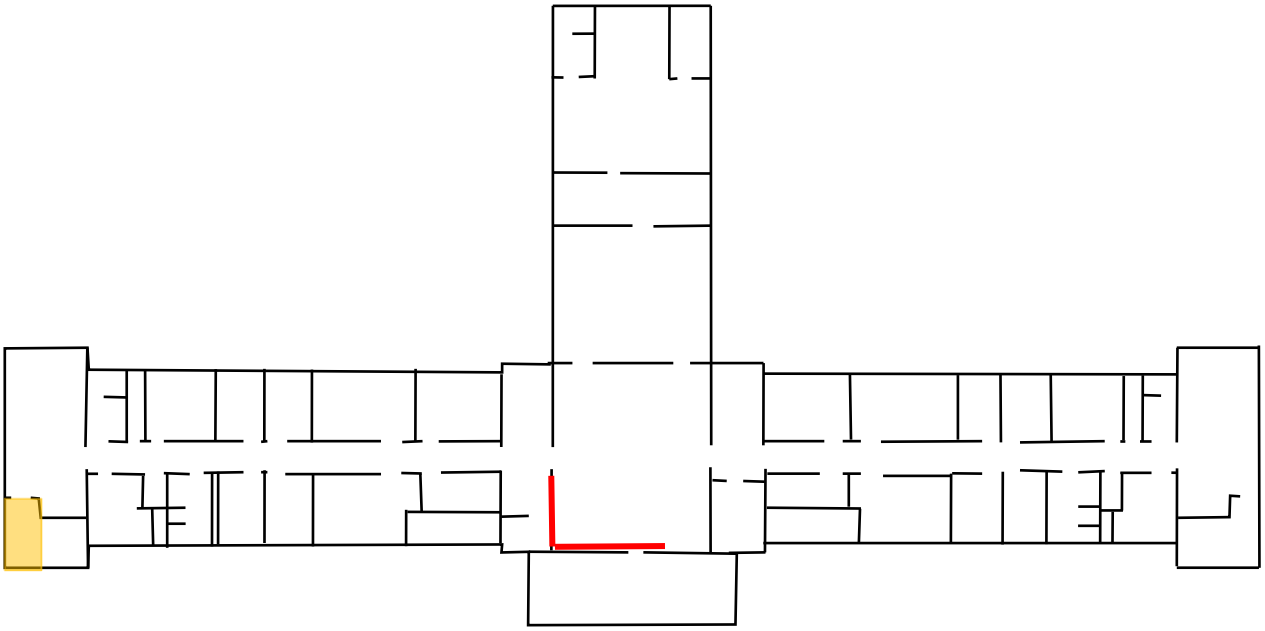
DESIGNED BY: Atlas	SCALE: NTS	REVIEWED BY: EM
DRAWN BY: EM	DATE: 12/7/2023	FILE: SiteMap.PPT

Medical Building
South Wing - Basement

1251 224th St.
Woodward, IA 50276

Tim Jacobsen
Atlas Technical Consultants
Iowa Asbestos Project Designer #23-9651

Drawings – Elmcrest Building



Legend

Lt Brown Flooring

Asbestos on steam and condensate piping

N

ATLAS

4503 E 50th Street, Suite 800
Des Moines, IA 50317

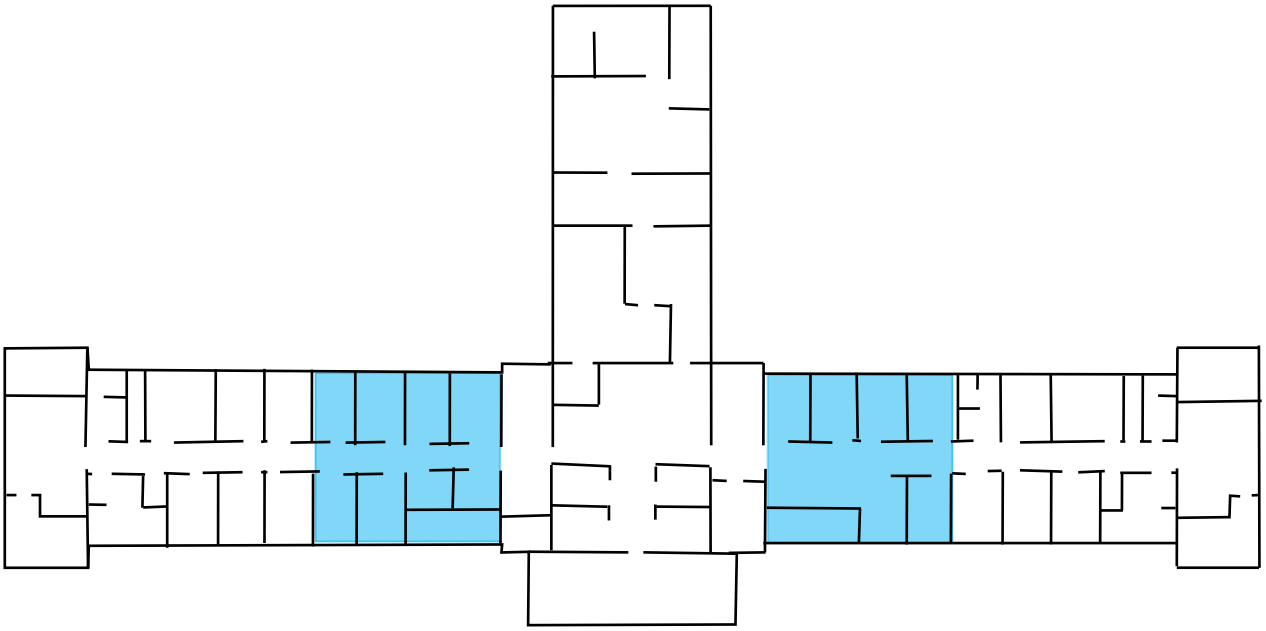
ASBESTOS MATERIALS DRAWING

Elmcrest
Second Floor

1251 224th St.
Woodward, IA 50276

Tim Jacobsen
Atlas Technical Consultants
Iowa Asbestos Project Designer #23-9651

PROJECT NO: 204BS06333		
DESIGNED BY: Atlas	SCALE: NTS	REVIEWED BY: EM
DRAWN BY: EM	DATE: 12/7/2023	FILE: SiteMap.PPT



Legend

Blue Vinyl Flooring

N

ATLAS

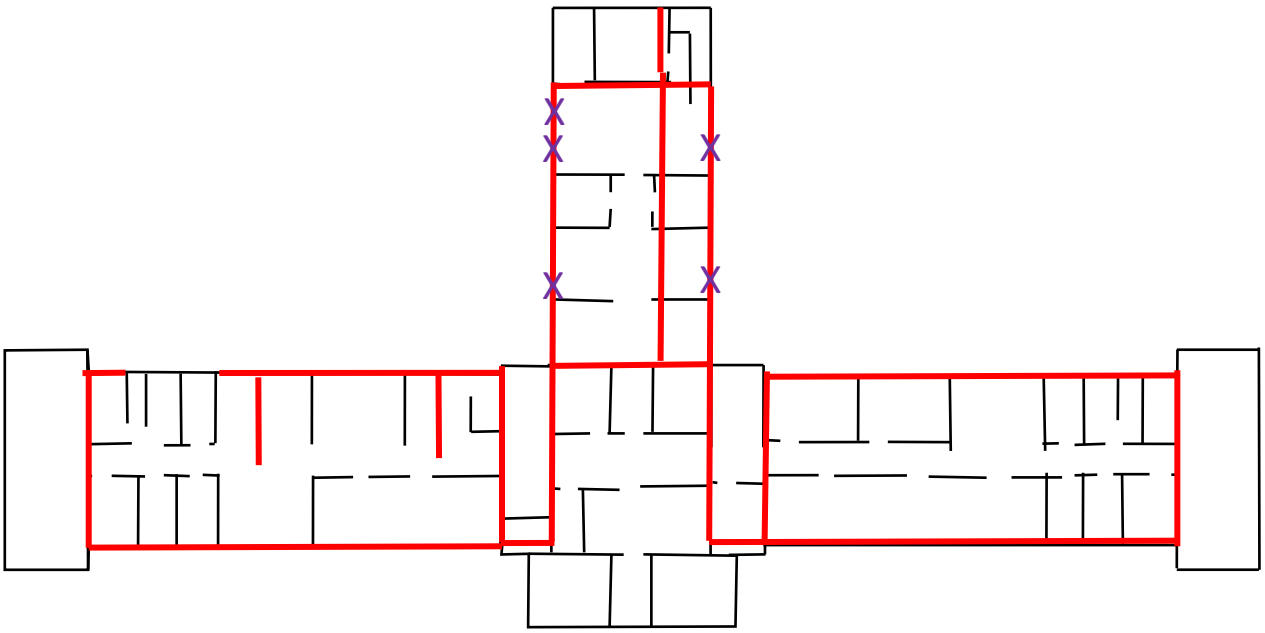
4503 E 50th Street, Suite 800
Des Moines, IA 50317

ASBESTOS MATERIALS DRAWING

Elmcrest
First Floor
1251 224th St.
Woodward, IA 50276

Tim Jacobsen
Atlas Technical Consultants
Iowa Asbestos Project Designer #23-9651

PROJECT NO: 204BS06333		
DESIGNED BY: Atlas	SCALE: NTS	REVIEWED BY: EM
DRAWN BY: EM	DATE: 12/7/2023	FILE: SiteMap.PPT



Legend

Asbestos on steam and condensate piping

XXX Asbestos Window Glazing

N

ATLAS

4503 E 50th Street, Suite 800
Des Moines, IA 50317

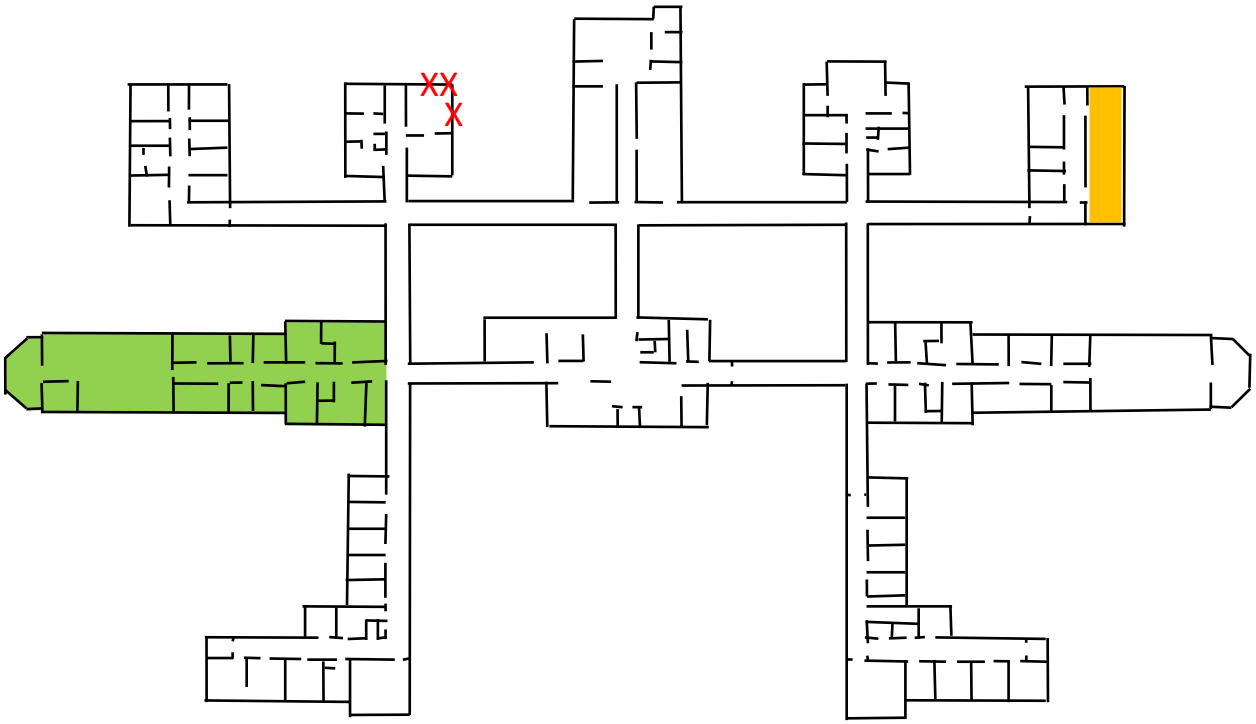
ASBESTOS MATERIALS DRAWING

Elmcrest
Basement
1251 224th St.
Woodward, IA 50276

Tim Jacobsen
Atlas Technical Consultants
Iowa Asbestos Project Designer #23-9651

PROJECT NO: 204BS06333		
DESIGNED BY: Atlas	SCALE: NTS	REVIEWED BY: EM
DRAWN BY: EM	DATE: 12/7/2023	FILE: SiteMap.PPT

Drawings – Administration Building



Legend

XXX Asbestos Window Glazing

Asbestos Containing Drywall Mud (<1%)

Asbestos Laminate Flooring & Carpet

N

ATLAS

4503 E 50th Street, Suite 800
Des Moines, IA 50317

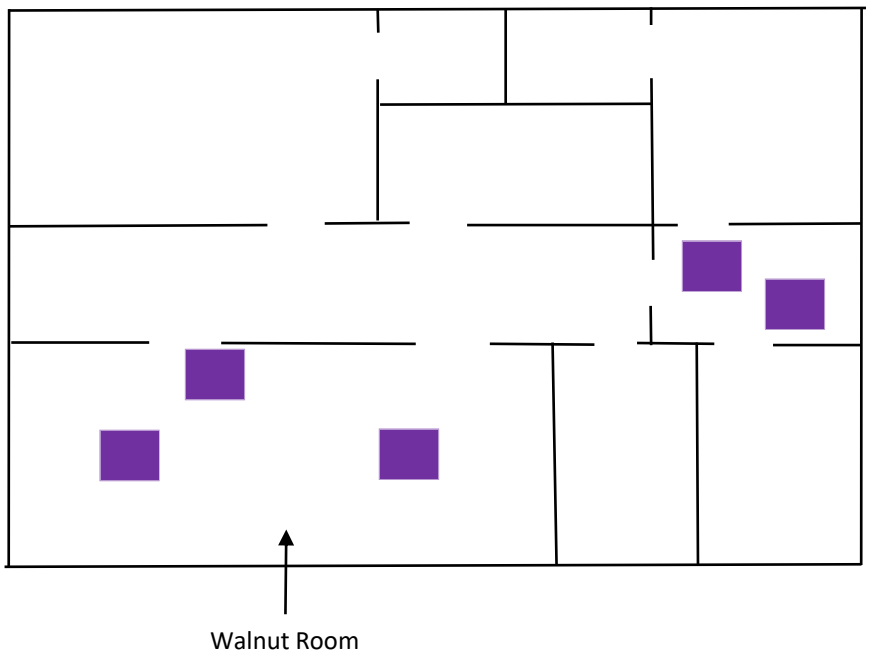
ASBESTOS MATERIALS DRAWING

Admin Building
First Floor

1251 224th St.
Woodward, IA 50276

Tim Jacobsen
Atlas Technical Consultants
Iowa Asbestos Project Designer #23-9651

PROJECT NO: 204BS06333		
DESIGNED BY: Atlas	SCALE: NTS	REVIEWED BY: EM
DRAWN BY: EM	DATE: 12/11/23	FILE: SiteMap.PPT



Legend

Asbestos Ceiling Tile Pucks

N

ATLAS

4503 E 50th Street, Suite 800
Des Moines, IA 50317

ASBESTOS MATERIALS DRAWING

Admin Building
Second Floor

1251 224th St.
Woodward, IA 50276

Tim Jacobsen
Atlas Technical Consultants
Iowa Asbestos Project Designer #23-9651

PROJECT NO: 204BS06333		
DESIGNED BY: Atlas	SCALE: NTS	REVIEWED BY: EM
DRAWN BY: EM	DATE: 12/11/23	FILE: SiteMap.PPT