City of Lynchburg
Procurement Division
900 Church Street
Lynchburg, Virginia 24504
Telephone No.: (434) 455-3970
Fax No.: (434) 845-0711

Addendum for Invitation for Bids
Elevator Replacement for LCS Administration Building

15-944

Date: 11/24/2014
From: Lisa Moss, Buyer VCA
RE: Addendum No. 3

This Addendum supplements and amends the original Plans and Specifications and shall be taken into account in preparing proposals and shall become a part of the Contract Documents. The Bidder shall indicate receipt of this Addendum and all previously issued Addenda on the Bid Form.

1. **Attached is an Asbestos Report, Survey and Abatement Specifications as prepared by Hurt and Proffitt.**

*Company Name:*_____ *Address:*_____ *Date:*_____

*Authorized Signature:*_____ *Title:*_____

*Print Name:*_____ *Telephone No.:*_____

*Fax No.:*_____

November 21, 2014

HURT & PROFFITT INCORPORATED

Mr. Richard Thompson
Construction Project Manager
Lynchburg City Schools
3525 John Capron Road
Lynchburg, Virginia 24501

RE: Pre-Renovation Asbestos Inspection Services
Lynchburg City Schools-Elevator Renovation
H&P Project No.: 20141246

Dear Mr. Thompson:

This letter and attachments represent Hurt & Proffitt's (H&P) report for the above-referenced project as requested to obtain the proper permits for a planned renovation.

Introduction

H&P was retained to conduct a comprehensive pre-renovation asbestos inspection for the elevator replacement project at the site building known as Lynchburg City Schools Administration Building in Lynchburg, Virginia. The building is currently in use as a public school administration building.

The inspection was performed in compliance with Local, State and Federal regulations as required by the National Emission Standards for Hazardous Air Pollutants (NESHAPs). General sampling protocol was in accordance with both NESHAPs and the US EPA-Asbestos Hazard Emergency Response Act (AHERA) regulations and the State of Virginia.

The asbestos building inspection was performed on November 17th, 2014 by H&P representatives, W. Chris Nixon and Danielle Montalbano. Their Virginia Asbestos Inspector Licenses are attached for your records within Attachment A.

Asbestos Survey and Laboratory Procedures

Physical inspection and sample collection was performed throughout the areas to be effected by the upgrade, including inside the elevator, walls, ceilings, "pipe chase" and the basement mechanical room., in order to determine the extent and locations of asbestos-containing materials and potential degree of abatement activities to take place throughout the building, all areas of the potentially effected spaces were inspected for the presence of suspect asbestos-containing building materials (ACBMs).

Suspect bulk samples were collected and logged on chain-of-custody forms as representative of suspect homogenous materials (based on material type, color, texture, etc.), from the functional spaces as they were determined by visual observations in the field.

The suspect asbestos samples were submitted for analysis by EPA Method No. 600/R-93/116 and 600/M4-82-020 (polarized light microscopy (PLM)). All samples were analyzed by SanAir Technologies Laboratory of Powhatan, Virginia, a NVLAP accredited laboratory licensed to perform asbestos bulk analysis within the State of Virginia.

The area to be upgraded consists of the areas around the elevator of all four floors of the building; the basement, terrace level/ground floor, first floor and second floor.

2524 LANGHORNE ROAD
LYNCHBURG, VA 24501
800-242-4906 TOLL FREE
434-847-7796 MAIN
434-847-0047 FAX
www.HandP.com

Mr. Richard Thompson
RE: Pre-Renovation Asbestos Inspection Services
Lynchburg City Schools Administration building-Elevator Upgrade
H&P Project No.: 20141246
November 21ST, 2014

The following materials were noted to be asbestos-containing and/or presumed asbestos-containing materials that may be impacted by the planned elevator replacement project:

- **JOINT COMPOUND ASSOCIATED WITH THE DRYWALL/SHEETROCK**
- **FLOOR TILE**
- **HVAC MASTIC**
- **PIPE ELBOWS (PRESUMED)**
- **ELEVATOR SWITCHES (PRESUMED)**

The following Table I illustrates the sample identification, location and analytical results as received from the laboratory. The laboratory results and sample chain-of-custody are included in Attachment B for your review.

TABLE I

Sample No.	Material Description/ Location	Estimated Quantity	Lab Results (% Asbestos)	Condition/ Friable Y/N
WLSH-001 A,B,C	**DRYWALL JOINT COMPOUND**	**THROUGHOUT**	**NONE DECTED 2% CHRYSOTILE**	**GOOD/N**
FLVCT-004 A	**9X9 RED FLOOR TILE IN ELEVATOR**	**30+/- SQ FT**	**2% CHRYSOTILE**	**GOOD/N**
HVAC-005 A	**HVAC MASTIC IN PIPE CHASE**	**400 +/- SQ FT**	**3% CHRYSOTILE**	**GOOD/N**
NOT SAMPLED	**ELBOWS IN PIPE CHASE**	**7 UNITS**	**PRESUMED**	**GOOD/Y**
NOT SAMPLED	**ELEVATOR SWITCHES IN BASEMENT**	**5 +/- SQ FT**	**PRESUMED**	**GOOD/N**
INTENTIONALLY LEFT BLANK				
CLK-002 A	JOINT CAULK	NA	NONE DETECTED	NA
CLPL-003 A,B	2X2 CEILING PANEL	NA	NONE DETECTED	NA

NA=Not Addressed, N/A Not Applicable,

Drawing 1 illustrates the locations of POSITVE MATERIALS ONLY. The following illustrates the asbestos-containing building components on each drawing:

Drawing No. 1-BASEMENT, GROUND/TERRACE FLOOR, FIRST FLOOR, And SECOND FLOOR: Asbestos-Containing Floor Tile, Joint compound, and HVAC Mastic with Presumed Asbestos-Containing Pipe Elbows and Switchbox materials are noted.

Recommendations and Discussion

In order to obtain a renovation permit, this report must accompany the application to the City of Lynchburg permit office. It is the responsibility of the contractor performing the abatement and/or building renovation activities that the proper permits be obtained and notifications for each type of activity be performed as required by state and federal guidelines.

If the friable TSI is to be impacted by the elevator replacement project, the TSI materials must be removed by a licensed asbestos abatement contractor; no notification for abatement is required due to limited amounts of materials. Ie: less than 10 linear feet.

If the non-friable HVAC white seam mastic found within the pipe chase is to be disturbed it must be removed prior to said disturbance by a licensed asbestos abatement contractor.

If the construction of the temporary construction walls will impact / damage the joint compounds associated with the drywall/sheetrock throughout the project work areas, the joint compound must be removed by a licensed asbestos abatement contractor prior to disturbance.

The switchbox materials found in the basement mechanical room, must be removed by a licensed abatement contractor so as to not cause damage and/or release of asbestos fibers. It is recommended that the switchbox unit, be removed intact if possible and disposed of as one unit.

The 9x9 floor tile within the elevator must be removed by a certified contractor, prior to total dismantlement or demolition of the elevator unit.

All ACM removal must be performed in accordance with Virginia DPOR, Virginia DOLI/VOSH, US OSHA and US EPA regulations. US EPA regulations that apply in this case would be the US EPA NESHAPs and US EPA AHERA (Asbestos Hazard Emergency Response Act).

Our recommendations are based on the guidelines presented by the EPA, State of Virginia and OSHA. Any conditions discovered which deviate from the data contained in this report should be presented to us for our evaluation.

Qualifications of Asbestos Survey

Additional ACM/PACM may exist (undetected and/or inaccessible) in other portions the building. If additional suspect materials are found during either the abatement activities or renovation activities, all work on the site must stop and the newly discovered materials sampled by a Virginia licensed asbestos building inspector and evaluated for asbestos content.

This report summarizes our evaluation of the conditions associated with the project site as described within. The findings prepared by H&P are based upon our observations in the field, within the laboratory and the analytical analysis of the samples collected at the time of the field inspection.

Mr. Richard Thompson
RE: Pre-Renovation Asbestos Inspection Services
Lynchburg City Schools Administration building-Elevator Upgrade
H&P Project No.: 20141246
November 21ST, 2014

Closing

Thank you for allowing Hurt & Proffitt to provide you with our asbestos pre-renovation inspection services. Should you have any questions please call me at (434) 847-7796 ext 691. It was a pleasure working with you on this project and I hope we can be of service to you in the future.

Sincerely,
HURT & PROFFITT, INC

W. Chris Nixon
Director of Environmental Services

Danielle Montalbano
Environmental Scientist

Attachment A: Asbestos Inspector Licenses
Attachment B: Laboratory Reports and Sample Chain-of-Custody
Attachment C: Drawing 1 Asbestos Location Drawings

Attachment A

Asbestos Licenses:

State of Virginia Asbestos Building Inspector License

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

9960 Mayland Dr., Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

EXPIRES ON
05-31-2015

NUMBER
3303003953

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE

DANIELLE ELIZABETH MONTALBANO
911 CRESTHAVEN TERRACE
EVINGTON, VA 24550

Jay W. DeBoer, Director

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

9960 Mayland Dr., Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

EXPIRES ON
07-31-2015

NUMBER
3303003214

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE

WALTER CHRISTOPHER NIXON
175 SAGE LN
MADISON HEIGHTS, VA 24572-0000

Jay W. DeBoer, Director

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Attachment B

Laboratory Reports and Sample Chain-of-Custody Forms

SanAir Technologies Laboratory

Analysis Report

prepared for

Hurt & Proffitt, Inc.

Report Date: 11/20/2014
Project Name: LCS Admin Elevator
Project #: 20141246
SanAir ID#: 14031965

NVLAP LAB CODE 200870-0

Virginia SBE Certification # 652931

Texas Licensed Mold Analysis Laboratory License # LAB0166

SanAir Technologies Laboratory

804.897.1177 www.sanair.com

SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: http://www.sanair.com E-mail: iaq@sanair.com

Hurt & Proffitt, Inc.
2524 Langhorne Road
Lynchburg, VA 24501

November 20, 2014

SanAir ID # 14031965
Project Name: LCS Admin Elevator
Project Number: 20141246

Dear D. Montalbano,

We at SanAir would like to thank you for the work you recently submitted. The 8 sample(s) were received on Tuesday, November 18, 2014 via FedEx. The final report(s) is enclosed for the following sample(s): WLSH-001A, WLSH-001B, WLSH-001C, CLK-002A, CLPL-003A, CLPL-003B, FLVCT-004A, HVAC-005A.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:
- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

sample conditions:
8 sample(s) in Good condition

SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: http://www.sanair.com E-mail: iaq@sanair.com

SanAir ID Number

14031965

FINAL REPORT

Name: Hurt & Proffitt, Inc.
Address: 2524 Langhorne Road
Lynchburg, VA 24501

Project Number: 20141246
P.O. Number:
Project Name: LCS Admin Elevator

Collected Date: 11/16/2014
Received Date: 11/18/2014 10:50:00 AM
Report Date: 11/20/2014 2:50:18 PM
Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
WLSH-001A / 14031965-001 Wall Sheeting, Drywall	Off-White Non-Fibrous Homogeneous	< 1% Cellulose	100% Other	None Detected
WLSH-001A / 14031965-001 Wall Sheeting, Joint Compound	White Non-Fibrous Homogeneous		98% Other	2% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
WLSH-001B / 14031965-002 Wall Sheeting, Drywall	Off-White Non-Fibrous Homogeneous	2% Cellulose	98% Other	None Detected
WLSH-001B / 14031965-002 Wall Sheeting, Joint Compound	White Non-Fibrous Homogeneous		98% Other	2% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
WLSH-001C / 14031965-003 Wall Sheeting, Drywall	Off-White Non-Fibrous Homogeneous	2% Cellulose	98% Other	None Detected
WLSH-001C / 14031965-003 Wall Sheeting, Joint Compound	White Non-Fibrous Homogeneous		98% Other	2% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
CLK-002A / 14031965-004 Joint Caulk At Elevator	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
CLPL-003A / 14031965-005 Ceiling Panel 2x2	White Fibrous Homogeneous	45% Cellulose 25% Glass	30% Other	None Detected

Certification

Signature: Susan P. Childress
Date: 11/20/2014

Reviewed: Sandra Robins
Date: 11/20/2014

SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: http://www.sanair.com E-mail: iaq@sanair.com

SanAir ID Number

14031965

FINAL REPORT

Name: Hurt & Proffitt, Inc.
Address: 2524 Langhorne Road
Lynchburg, VA 24501

Project Number: 20141246
P.O. Number:
Project Name: LCS Admin Elevator

Collected Date: 11/16/2014
Received Date: 11/18/2014 10:50:00 AM
Report Date: 11/20/2014 2:50:18 PM
Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
CLPL-003B / 14031965-006 Ceiling Panel 2x2	White Fibrous Homogeneous	45% Cellulose 25% Glass	30% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
FLVCT-004A / 14031965-007 Floor Tile In Elevator, Floor Tile	Red Non-Fibrous Homogeneous		98% Other	2% Chrysotile
FLVCT-004A / 14031965-007 Floor Tile In Elevator, Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected
FLVCT-004A / 14031965-007 Floor Tile In Elevator, Backing	Black Fibrous Homogeneous	65% Cellulose	35% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
HVAC-005A / 14031965-008 HVAC Mastic	White Non-Fibrous Homogeneous		97% Other	3% Chrysotile

Certification

Signature: Susan L. Childress
Date: 11/20/2014

Reviewed: Sandra Robins
Date: 11/20/2014

Disclaimer

The final report cannot be reproduced, except in full, without written authorization from SanAir. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations. The accuracy of the results is dependent upon the clientôs sampling procedure and information provided to the laboratory by the client. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample and information provided by the client. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government.

For NY state samples, method EPA 600/M4-82-020 is performed.

Polarized- light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

NY ELAP lab ID 11983

SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B - Powhatan, VA 23139
804.897.1177 / 888.895.1177 / Fax 804.897.0070
www.sanair.com

Asbestos Chain of Custody

SanAir ID Number: 14031965

Company: Hurt & Proffitt, Inc	Project #: 20141246	Phone #: 4346650020
Address: 2524 Langhorne Road	Project Name: LCS Admin Elevator	Phone #: 4348477796
City, St., Zip: Lynchburg, Virginia 24501	Date Collected: 11/16/14	Fax #: 4348470047
Samples Collected By: D. Montalbano	P.O. Number:	Email: d.montalbano@handp.com

Asbestos Analysis Types

Bulk

ABB	PLM EPA 600/R-93/116	☒
	Positive Stop	☐
ABEPA	PLM EPA 400 Point Count	☐
ABB1K	PLM EPA 1000 Point Count	☐
ABBEN	PLM EPA NOB	☐
ABBCH	TEM Chatfield	☐
ABBTM	TEM EPA NOB	☐
ABBNY	TEM NY ELAP 198.4	☐
OTHER/ Matrix :		☐

Air

ABA	PCM NIOSH 7400	☐
ABA-2	OSHA w/ TWA*	☐
ABTEM	TEM AHERA	☐
ABATN	TEM NIOSH 7402	☐
ABT2	TEM Level II	☐

Water

ABHE	EPA 100.2	☐

Soil/Vermiculite

ABSE	PLM EPA 600/R-93/116 (Qual.)	☐
ABSP	PLM CARB 435 (LOD <1%)	☐
ABSP1	PLM CARB 435 (LOD 0.25%)	☐
ABSP2	PLM CARB 435 (LOD 0.1%)	☐

Dust

ABWA	TEM Wipe ASTM D-6480	☐
ABDMV	TEM Microvac ASTM D-5755	☐

Turn Around Times	3 HR (4 HR TEM)	6 HR (8HR TEM)	12 HR	24 HR
	2 Days ☒	3 Days ☐	4 Days ☐	5 Days ☐

Sample #	Sample Identification/Location	Volume or Area	Sample Type	Flow Rate*	Time* Start – Stop	
WLSH-001 ABC	Wall sheeting		PCM			
CLK-002A	Joint caulk at elevator					
CLPL-003A,B	Ceiling plaster x 2					
FLVCT-004A	Floor tile in elevator					
HVAC-005A	HVAC white mastic					

Laboratory

Special Instructions	PLEASE EMAIL RESULTS

Relinquished by	Date	Time	Received by	Date	Time
Danielle Montalbano	11/18/14	TO FEDEX	MC	NOV 18 2014	10:50AM
DM					

Unless scheduled, the turn around time for all samples received after 5 pm Friday will begin at 8 am Monday morning.
Weekend or Holiday work must be scheduled ahead of time and is charged for rush turn around time.
Work with standard turn around time sent Priority Overnight and Billed To Recipient will be charged a $10 shipping fee.

Attachment C

Asbestos-Containing Material Location Maps

PRE-RENOVATION ASBESTOS INSPECTION
LYNCHBURG CITY SCHOOLS ADMINISTRATION BUILDING
ELEVATOR UPGRADE PROJECT

H&P PROJECT NO.: 20141246

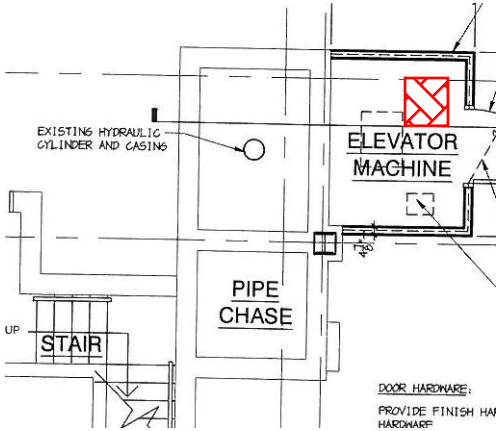
ASBESTOS LOCATION DRAWING

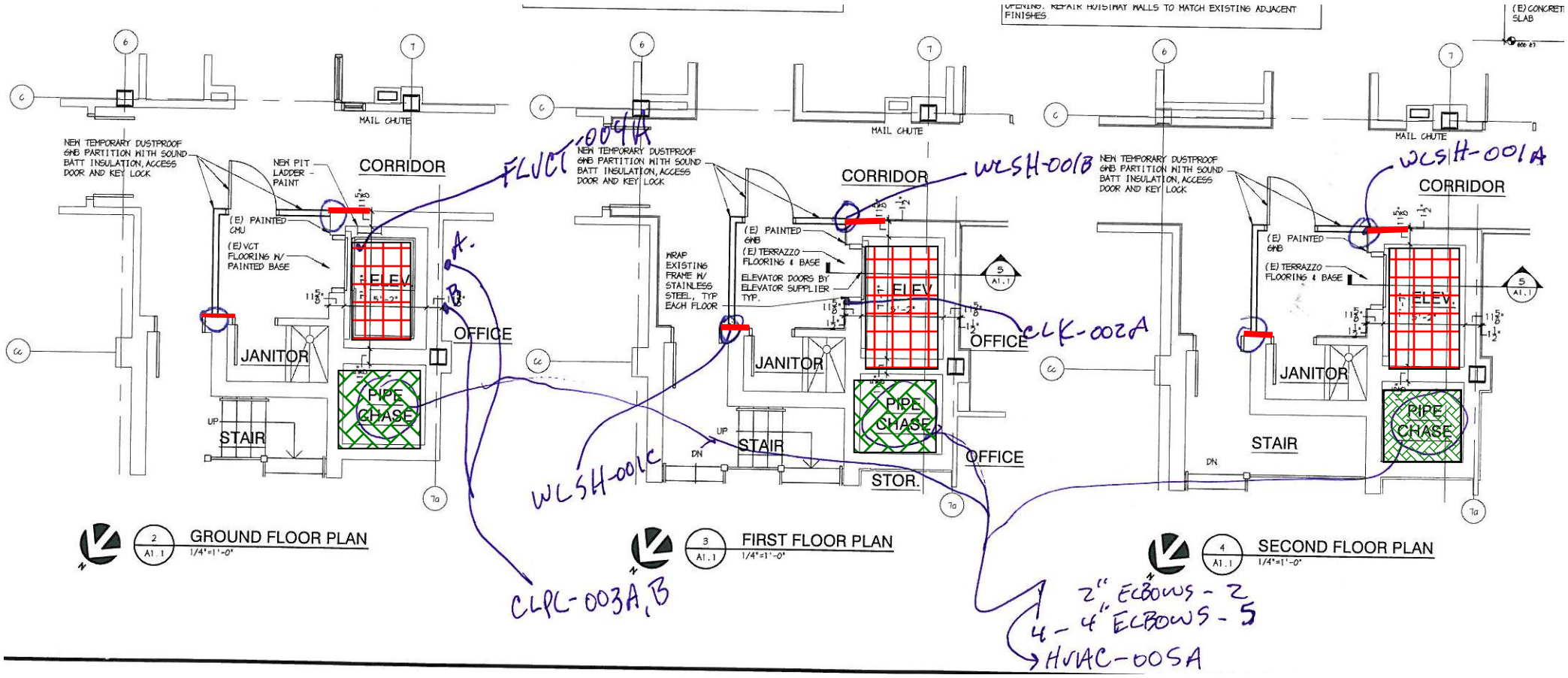
ASBESTOS-CONTAINING HVAC MASTIC AND PIPE ELBOWS

ASBESTOS-CONTAINING 9X9 FLOOR TILE

ASBESTOS-CONTAINING JOINT COMPOUND

PRESUMED ASBESTOS-CONTAINING SWITCHBOX PANELS





HURT & PROFFITT
INCORPORATED

ASBESTOS REMOVAL SPECIFICATION

SITE DESIGNATION:
Lynchburg City Schools Administration Building
915 Court Street,
Lynchburg, Virginia 24504

PROJECT NAME:
Elevator Replacement Project

PREPARED FOR:
LYNCHBURG CITY SCHOOLS
Mr. Richard Thompson
Director of Construction
John Capron Road
Lynchburg, Virginia 24501

PREPARED BY:

Walter C. Nixon
VA DPOR Asbestos
Project Designer License
No. 3305001148
Exp: 3.31.2015

H&P Project Number: 20141246

2524 LANGHORNE ROAD
LYNCHBURG, VA 24501
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TABLE OF CONTENTS – DESIGN PLAN

Asbestos Removal and Disposal

PART I – GENERAL

1.1 Scope of Work

A. Asbestos removal will be conducted prior to the start of construction necessary to complete the replacement of the current elevator system owned and operated by the City of Lynchburg Schools.

There is asbestos-containing joint compound, associated with the sheetrock/drywall that WILL NOT BE REMOVED as part of this project; however the construction contractor must be aware that ACM is associated with the construction of the temporary construction walls on each floor and that damage will not be permitted.

- **The temporary walls must be affixed to the floor and to the walls so as to not cause damage to the wall and/or floor finishes.**

B. The following asbestos-containing materials and presumed asbestos-containing materials require removal as determined by a comprehensive asbestos-containing materials inspection dated on November 21st, 2014.

- **Asbestos-Containing Floor Tile – Cat. I Non-Friable-30+/- Square Feet (Within Elevator)**
- **Asbestos-Containing Joint Compound-Cat. II Non-Friable-10+/- Square Feet (New FACP and New Call Button Panels) Potentially Throughout Various Locations Due To Future Penetrations.**
- **Presumed Asbestos-Containing Elevator Switch Transite Boards-Cat. II Non-Friable-5+/- Square Feet (Within Basement Mechanical Caged Area)**

The estimated quantities and locations of materials to be removed must be field verified by the Contractor prior to bid.

C. The following will apply at all times for each portion of the asbestos removal process for all parts herein:

Code of Federal Regulation

1. OSHA 29 CFR Part 1910.134-Respiratory Protection
2. OSHA 29 CFR Part 1910.145-Accident Prevention

3. OSHA 29 CFR Part 1926.1101–Asbestos Contractor
4. OSHA 29 CFR Part 1910.1200-Hazard Communications
5. USEPA 40 CFR Part 61-Asbestos National Emission Standards For Hazardous Air Pollutants
6. USEPA 40 CFR Part 763-Asbestos Abatement Projects Rule
7. USEPA Asbestos Hazard Emergency Response Act (AHERA)

Virginia Administrative Codes and Regulations

1. VSWMR 9 VAC 20-80-640-Disposal of Special Waste
2. VA DOLI-Title 40.1-Chapter 1-Department of Labor and Industry (40.1 thru 40.1-11.1)
3. VA DOLI-Title 40.1-Chapter 3-Protection of Employees (40.1-22 thru 40.1-51.4:5)
4. VA DOLI-Title 40.1-Chapter 3.2-Asbestos Notification (40.1-51.20 thru 40.1-51.22)
5. VA DOLI-Title 40.1-Chapter 3.3-Virginia NESHAP Act (40.1-51.23 thru 40.1-51.41)
6. Virginia Solid Waste Management Regulations (VSWMR)- 9-VAC-20-80-200
7. VSWMR-9 VAC 20-80-640
8. Department of Professional and Occupational Regulation- Virginia Asbestos Regulation Part I 18VAC15 20-10-880

NOTE:
Work practices conducted on-site shall be in strict compliance with this project design specification, state, federal, and local regulations. When conflicts occur between the project design documents and applicable state, federal, and/or local regulations, the most stringent course of action shall apply.

B. Wet methods shall be utilized to minimize airborne fiber concentrations.

C. The Contractor shall conduct all work in accordance with state, federal, and local regulations. Additionally, the Contractor shall comply with the design plans and specifications in this document.

D. The Contractor shall supply an adequate number of asbestos abatement workers on-site on a daily basis. This is to ensure the timely completion of this phase of the project. Subcontractors may not be utilized on this project without the written consent of Lynchburg City Schools or their designee.

E. The Contractor accepts that multiple means of clearance criteria may be utilized for final clearance criteria. Visual inspections, PCM air sampling, and AHERA TEM air sampling will be utilized on this project. The Contractor understands that their base bid is to include all necessary labor,

equipment, etc. to successfully abate and final clean each work area for re-occupancy by other trades.

F. The Contractor shall protect any ancillary proximate areas where abatement related activities shall be performed (this also includes damage that may be incurred in the building). Any damage incurred by the Contractor or by abatement related activities, shall result in the Contractor being held liable for all costs related to the restoration of damaged areas to their original condition. There shall be no costs incurred by Lynchburg City Schools for any restoration efforts other than the planned areas of re-construction as part of the project.

1.2 Contractor Responsibilities

The selected asbestos abatement Contractor shall be responsible for:

A. Performing work in accordance with applicable local, state and federal regulations pertaining to asbestos abatement work. These regulations include, but are not limited to, DPOR laws of Virginia, the United States Environmental Protection Agency (US EPA) Asbestos Hazard Emergency Response Act (AHERA), the National Emission Standards for Hazardous Air Pollutants (NESHAPs), the Occupational Safety and Health Administration (OSHA), and local regulations.

B. Providing all labor, equipment, materials, and supervision to complete the project in a professional, safe, and timely fashion.

C. Providing supervisors and workers who are competent, trained, and medically fit to conduct asbestos abatement work.

D. Completing the project as specified in these design plans & specifications. The Contractor accepts that the areas will not be considered successfully abated, until at a minimum, a final visual inspection proves that each work area(s) are considered safe for re-occupancy by other trades. Air monitoring will be performed for each interior abatement location as required by Virginia, EPA guidelines.

E. Packaging, transporting, and disposing of all asbestos and asbestos contaminated materials, within all applicable State, Federal, and Local regulations.

F. Ensuring building security during the course of the asbestos removal, so that unauthorized personnel may not enter regulated work areas and subsequently the building.

G. Providing emergency plans and emergency telephone numbers to Lynchburg City Schools and on-site abatement personnel.

H. Obeying the owner's policies and procedures pertaining to work on-site.

I. Complying with the contractual requirements set forth by Lynchburg City Schools and this specification.

J. Notifying the Virginia Department of Labor & Industry and the US Environmental Protection Agency (if applicable) of the planned start date(s) of abatement activities and all subsequent changes in schedule as required by both the Virginia Administrative Code (VAC) and The Asbestos Hazard Emergency Response Act (AHERA) for friable removal of asbestos-containing building materials; which includes the payment of applicable notification fees.

K. Ensuring compliance with OSHA regulations pertaining to worker safety and health, including worker protection to weather conditions.

1.3 Personal Protective Equipment

A. The Contractor (Employer) shall be responsible for providing their personnel with adequate personal protective equipment (PPE) to perform the work on this project, as per federal and state regulations.

B. The Contractor (Employer) will be responsible for collecting OSHA personal asbestos air samples for their workers on this project. Representative samples shall be taken daily on ¼ of the workforce and sample results shall be posted in the personal decontamination unit within 48 hours of collection. The Contractor is responsible for providing their employees with adequate respiratory protection based upon the type of asbestos minerals identified within the H&P asbestos survey results received. Both eight (8) hour full day monitoring as well as short term thirty (30) minute excursion monitoring shall be performed each day asbestos removal activities are being performed.

C. "Street" clothing is not permitted in the work area(s) at any time.

D. With the use of amended water during asbestos abatement project, "flooring" will become slippery. The Contractor shall provide their workers with non-skid footwear on this project.

E. The Contractor is responsible for providing the building owner's authorized representatives, the environmental consultant, and state and/or federal inspectors with personal protective equipment. This may include some or all of the following: protective clothing, respirators, HEPA cartridges, hardhats, gloves, eye protection, and rubber disposable boots. Those persons that have passed an OSHA approved medical surveillance and respiratory fit test may don a MSHA/NIOSH approved HEPA equipped respirator prior to entering the regulated/designated work areas.

1.4 Project Monitoring & Air Sampling

A. The Contractor **shall not** include the costs of asbestos abatement project monitoring and final clearance air sampling in their bid. Lynchburg City Schools will hire under a separate contract the third party asbestos project monitoring firm, which is licensed by the Virginia DPOR, as required by the USEPA regulations.

PART II – SUBMITTALS

2.1 Pre-Abatement Submittals

Upon being selected by Lynchburg City Schools to perform asbestos abatement activities, the Contractor will be responsible for the following submissions (3 copies of each) within 48 hours:

A. A letter illustrating the first available opportunity to start, with the estimated completion date for the ACM/PACM removal will be required as notification to the occupants of the building and The City of Lynchburg. Notification to the US EPA NESHAPs Division and the Virginia DOLI are not required for this project unless the means of method planned to remove the ACM/PACM will deem the materials to become friable.

B. Copies of Virginia Waste Transporter Permits and the location of the landfill where the asbestos waste will be transported to.

C. Copy of the waste manifest to be used on this project.

D. Copy of a local wastewater discharge permit. If no permit is to be used, a statement indicating how wastewater will be disposed of on this project will be required.

E. Material Safety Data Sheets (MSDS) for all chemicals and/or solvents to be utilized on-site.

F. Manufacturers certifications for all equipment to be used on the project, ie: HEPA filtration units and/or HEPA vacuums.

G. Copy of the company's Hazard Communication Program, Medical Surveillance Program and Respiratory Protection Program, and Site Emergency Response Plan.

H. Copy of notification letters to the local fire and rescue squads, that asbestos abatement work will be conducted at the site.

I. Copies of the emergency phone numbers that will be posted on the personal decontamination unit.

J. Copies of the following workers certifications;

1. Virginia DPOR licenses for all personnel.

2. Certificates of training for all personnel.

3. Medical Evaluations Forms to show suitability to wear respiratory protection for all personnel.

4. Fit Test Forms to show respirator suitability.

K. Proposed Supervisor on the project, including a list of at least three (3) other projects that the Supervisor has worked on in similar scope.

2.2 Asbestos Abatement Submittals

The Contractor shall be responsible for providing Lynchburg City Schools and the third party monitor / environmental consultant with the following submittals;

A. Copies of OSHA personal air samples. Note – Lynchburg City Schools and their environmental consultant are not responsible for the interpretation of these results, the intent is to prove that the abatement Contractor is taking these required samples only.

B. A daily list of the personnel on-site accompanied with their Virginia DPOR Licenses.

C. The supervisor's daily log book that documents the checking of critical barriers and the cleaning of the decontamination unit(s) at the beginning and end of each shift, as required by 29 CFR 1926.1101.

D. An account of any asbestos handling air samples that were greater than 0.01 f/cc according to phase contrast microscopy (PCM) and the measures taken to clean the proximate area (if necessary).

2.3 Post Abatement Submittals

A. Copies of waste manifests and/or bill of lading for every waste shipment from the site project.

B. Any other submittal that Lynchburg City Schools and/or their environmental consultant requests.

2.4 Close-Out Documentation

A. Lynchburg City Schools will be responsible for ensuring that the Contractor has met all the contractual obligations to close-out this project.

PART III - PRODUCTS

3.1 Equipment

The Contractor shall be responsible for the following:

A. Providing all equipment necessary to complete the project.

B. Providing only safe and reliable equipment to the work site.

C. Providing personal protective equipment to all persons working on-site.

D. Providing air filtration devices and vacuums that are HEPA exhausted.

E. Utilizing barrier tape and danger signs to keep unauthorized personnel away from the work area. The perimeter of the work area at ground level, the decontamination units, and waste dumpster shall all be properly demarcated utilizing barrier tape and signage. Danger signs shall contain the following

language as required by EPA AHERA and OSHA: (See note on Asbestos Abatement Design Drawing)

DANGER
CONTAINS ASBESTOS FIBERS
AVOID CREATING DUST
CANCER AND LUNG DISEASE HAZARD

F. Utilizing amended water to minimize airborne dust concentrations in the work area(s).

G. Utilizing 6 mil polyethylene sheeting for the construction of asbestos work areas, 6 mil polyethylene sheeting for decontamination units, and the lining of waste trailers.

H. Utilizing 6 mil polyethylene bags for the disposal of all waste.

I. Utilizing duct tape (or approved equivalent) to seal polyethylene sheetings and bags.

J. Utilizing safe electrical power cords throughout the site.

K. Utilizing Ground Fault Interrupters (GFI's) or Ground Fault Circuit Interrupters (GFCI's) on all power sources.

L. Any power tools utilized shall be properly HEPA exhausted, as required by 29 CFR 1926.1101.

3.2 Miscellaneous Products

A. Any miscellaneous products not covered in Subpart 3.1 of this section, must have the approval of Lynchburg City Schools and/or their designated representative in writing, prior to use on-site.

B. Any miscellaneous products approved of and brought to site, must be accompanied by manufacturer's product information and/or MSDS's. This information must be submitted to Lynchburg City Schools and/or their environmental representative.

PART IV – EXECUTION

4.1 Decontamination Enclosures

A. A decontamination enclosure, which meets the requirements of 29 CFR 1926.1101, shall be constructed, where necessary and deemed adequate by the onsite Project Monitor, **prior to the commencement of any work area preparation**.

B. The personal decontamination unit shall be equipped with one shower per 6 full shift abatement workers.

C. All decontamination units shall;

1. Meet all requirements of 29 CFR 1926.1101.

2. Be cleaned at the beginning, during, and end of each work shift. Dirt and/or debris in the decontamination unit shall not be permitted.

3. Collect and filter wastewater in accordance with Department of Environmental Quality and US EPA requirements.

4.2 Utilities

A. Lynchburg City Schools shall be responsible for providing electrical power to the Contractor on this project unless otherwise agreed upon prior to project start.

B. The Contractor shall be responsible for coordinating the shutdown of electrical power to each work area(s), ie: Lock Out / Tag Out. In the event that the power may not be turned off, all power sources shall be wrapped in three individual layers of fire retardant 6 mil polyethylene sheeting and labeled "DANGER, LIVE ELECTRIC".

C. Lynchburg City Schools will not be responsible for providing the Contractor with a water supply on this project unless otherwise agreed upon.

D. The Contractor shall be responsible for the maintenance of all electrical cords and supplies, and keeping them in a secure location to prevent unnecessary tripping hazards.

4.3 Heating, Ventilation, and Air Conditioning Systems (HVAC)

A. The Contractor shall be responsible for coordinating any HVAC shutdown and isolation with Lynchburg City Schools personnel.

4.4 Critical Barriers

A. Upon completion of the pre-cleaning, the Contractor shall be responsible for the construction of critical barriers that conform to CFR 1926.1101 on the interior of each window unit.

B. Two layers of 6 mil polyethylene sheeting shall be utilized to cover and/or seal the interior of each window unit, doors, openings, drains, ducts, corridors, etc. to isolate the work area(s) from other interior areas of each building, not part of the regulated / designated work area(s). Asbestos danger tape shall be hung and maintained throughout the removal procedures to illustrate the location of the regulated work area.

C. The Contractor shall be responsible for the;

a. Monitoring of critical barriers during the abatement process to ensure that the critical barriers remain in place.

b. Maintaining the Asbestos Danger tape during the abatement process to ensure the work areas are intact until final clearance is complete for each work area.

4.5 General Asbestos Handling & Cleaning Requirements

A. Asbestos shall be removal utilizing wet methods only. If possible it is required that each ACM be removed intact and bagged up or wrapped in two (2) layers of polyethylene sheeting in accordance with OSHA/NESHAPs guidelines.

B. Dry removal, sweeping, wire brushing, removal methods utilizing pressurized water or air, or other inappropriate asbestos abatement techniques will not be permitted.

C. Loose waste shall be immediately bagged and be transported to the waste decontamination enclosure. The waste bags shall then be cleaned in the waste decontamination enclosure, double bagged, labeled with a generator label, and transported to the waste dumpster, trailer, etc.

D. The Contractor shall not allow asbestos debris and/or waste to accumulate inside the work area(s). Visible dust and debris will not be tolerated , the work areas shall be wet wiped and HEPA vacuumed continually during abatement activities to minimize asbestos fiber release.

E. During interior abatement activities, waste bag transfer shall take place inside a cart that has been lined with two layers of 6 mil polyethylene. This cart shall be covered by polyethylene during any waste transfer activities and be labeled with an approved asbestos danger sign/label.

F. Workers will not be required to wear PPE during work area preparation unless asbestos abatement work is being performed on another part of the same project. PPE will be required during asbestos abatement activities, cleaning, and during any other work area activities until final air clearance criteria has been achieved.

4.6 Asbestos Waste Disposal

A. The Contractor shall ensure that all asbestos-containing waste is deemed "adequately wet", in accordance with EPA definition prior to being wrapped and/or bagged for disposal.

B. Bags, drums, or other acceptable packaging materials used for the transport of asbestos-containing waste shall be labeled as asbestos-containing and have affixed upon it a waste generator tag/label.

C. Two 6 mil polyethylene bags or sheetings shall be utilized for the disposal of all asbestos-containing wastes generated as part of the asbestos abatement project.

D. Loose waste shall be single-bagged in the work area(s). The waste bags shall be transported to the waste decontamination unit where it shall be cleaned, double bagged, labeled, and immediately transported to the waste dumpster, trailer, or vehicle for disposal. All polyethylene sheeting utilized throughout each abatement work area as part of the window removal process is considered loose asbestos-containing waste. Removal of the interior polyethylene window critical barriers will not be allowed until visual clearances and interior TEM air clearances have proven that the work area(s) are free to be re-occupied by other trades.

E. A daily count of waste bags and/or wrapped window units shall be calculated by the Asbestos Abatement Supervisor. This count shall be given daily to the onsite Project Monitor.

F. All wastes shall be sent to an approved and licensed landfill that accepts friable asbestos-containing wastes. Waste manifests shall accompany all waste that leaves site. Copies of the waste manifests shall be submitted to

Lynchburg City Schools within 72 Hours of leaving site, illustrating delivery to the waste facility/landfill.

G. Waste vehicles used for the transport of asbestos shall bear all appropriate licenses, labels and/or placards in accordance with US DOT requirements. Waste vehicle drivers must have at a minimum 2 hour OSHA asbestos-awareness training prior to transporting asbestos waste from the site.

4.7 Inspections

A. The Contractor shall not interfere, impede, or delay any inspections by Lynchburg City School's designated representative(s), the Project Monitor, and/or State, Federal, or Local Inspectors.

B. The Contractor shall request inspections at the following intervals from the onsite Project Monitor;

1. Upon completion of the decontamination unit(s).

2. Upon completion of the preparation of the work area(s), prior to removal / abatement start.

3. Upon completion of the removal of asbestos-containing materials and presumed asbestos-containing materials.

4. Upon completion of asbestos abatement work area teardown activities.

4.8 Project Monitoring and Air Sampling

A. The Contractor shall not include the costs of project monitoring and/or air sampling in their bid.

B. Lynchburg City Schools, under separate contract has selected their third party onsite Project Monitoring / Air Sampling firm.

C. The onsite Project Monitor / Air Sampling Technician will be responsible for the following;

1. Visual inspections of work area preparation completion, asbestos abatement completion and cleanliness in accordance with ASTM E11368-05 *Standard Practice for Visual Inspection of Asbestos Abatement.*

2. Conducting daily work-in-progress (WIP) environmental air sampling during the asbestos abatement process to ensure asbestos fibers are not entering the school building or leaving the designated work area(s).

3. Providing daily Contractor oversight to ensure Contractor compliance with the laws & regulations governing asbestos abatement procedures in Virginia, and in accordance with this specification and the AHERA regulations.

4. Collecting PCM and TEM air samples inside the building or in each work area at the completion of removal activities utilizing aggressive air sampling techniques in accordance with the US EPA AHERA regulations and NIOSH 7400 methodologies. The final clearance air sample event(s) will be utilized to ensure asbestos abatement activities are complete following the visual inspection(s).

D. The Contractor accepts the fact the Project Monitor has been retained by Lynchburg City Schools to oversee the asbestos abatement projects. Lynchburg City Schools has authorized the Project Monitor to stop the Contractor's work, if in their judgment, there is a risk to the health & safety of building occupants, abatement workers and/or the environment due to the Contractor's actions and/or the Contractor is not following the contractual design specifications and all applicable laws. Work shall only be permitted to commence if allowed by Lynchburg City Schools or their environmental consultant and corrective actions have taken place. The Contractor acknowledges that it is their responsibility to follow all applicable laws pertaining to asbestos abatement and the job specifications, and failure to do so may result in lost time and/or dismissal from the site at no cost to Lynchburg City Schools or their environmental consultant. The Contractor shall not be compensated for any lost time, labor, materials, etc., due to inappropriate actions.

END OF SECTION

HURT & PROFFITT
INCORPORATED

Appendix A

2524 LANGHORNE ROAD
LYNCHBURG, VA 24501
800-242-4906 TOLL FREE
434-847-7796 MAIN
434-847-0047 FAX
www.HandP.com

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA
9960 Mayland Dr., Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

EXPIRES ON
03-31-2015

NUMBER
3305001148

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS PROJECT DESIGNER LICENSE

WALTER CHRISTOPHER NIXON
175 SAGE LN
MADISON HEIGHTS, VA 24572-0000

Nick A. Christner
Nick A. Christner, Interim Director

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)

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HURT & PROFFITT
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Appendix B

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LEGEND:

ASBESTOS-CONTAINING 9X9 FLOOR TILE

PRESUMED ASBESTOS-CONTAINING SWITCHBOX PANELS

ASBESTOS-CONTAINING JOINT COMPOUND
(SHALL NOT BE DISTURBED DURING CONSTRUCTION OF TEMPORARY CONSTRUCTION WALLS)

ASBESTOS-CONTAINING JOINT COMPOUND
(TO BE REMOVED PRIOR TO NEW FACP AND CALL BUTTON PANEL INSTALLATION)

DESIGNATED ABATEMENT WORK AREAS,

ILLUSTRATION ONLY LOCATIONS OF ALL ACM MUST BE FULLY DETERMINED BY THE CONTRACTOR PRIOR TO DISTURBANCE.

ADDITIONAL PENETRATIONS THROUGH ACM JOINT COMPOUND/SKIM COATS WILL BE REQUIRED THROUGHOUT THE BUILDING FOR FIRE PROTECTION AND VARIOUS USES, SUCH LOCATIONS MUST BE LOCATED AND BID PRIOR

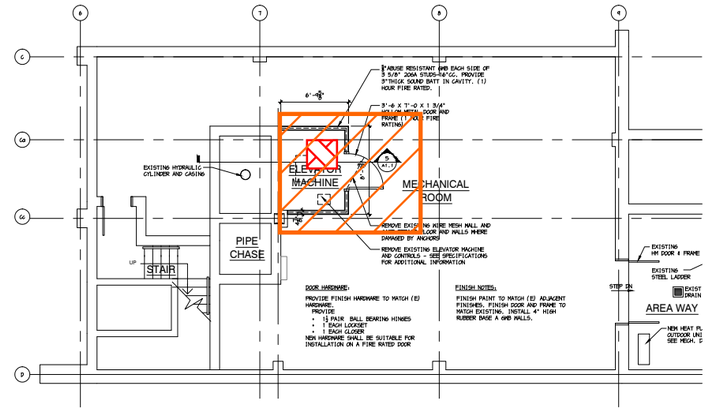
GENERAL NOTES:

IT IS RECOMMENDED THAT THE ASBESTOS REMOVAL OF THE FLOOR TILE LOCATED IN THE ELEVATOR BE PERFORMED ON THE GROUND LEVEL / TERRACE LEVEL. ACCESS TO THE ELEVATOR MAY BE FROM THE REAR OF THE ADMINISTRATION BUILDING, THROUGH THE LOADING DOCK.

REMOVAL ACTIVITIES MUST BE INACCORDANCE WITH THIS SPECIFICATION AND ALL LOCAL, STATE AND FEDERAL REGULATIONS AS WRITTEN WITHIN THE SPECIFICATION FOR ASBESTOS REMOVAL.

ASBESTOS REMOVAL DESIGN DRAWING
LYNCHBURG CITY SCHOOLS
ADMINISTRATION BUILDING
ELEVATOR UPGRADE PROJECT
H&P PROJECT NO.: 20141246

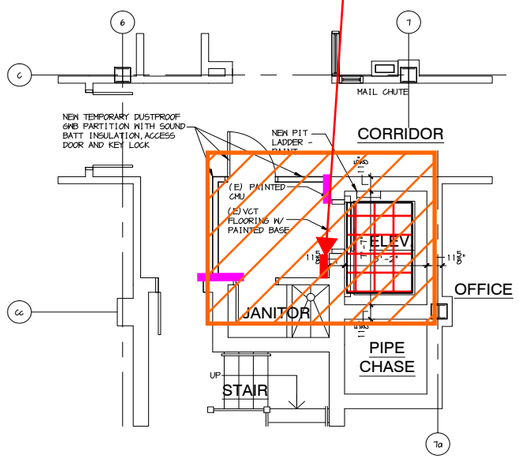
DRAWING NOT TO SCALE



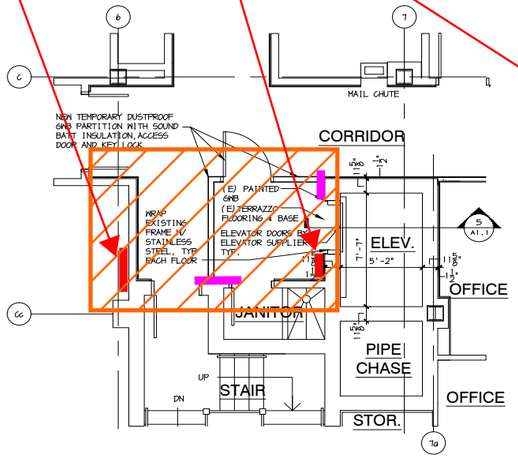
1 A1.1 BASEMENT FLOOR PLAN 1/4"=1'-0"

Location of New Call Button Panels

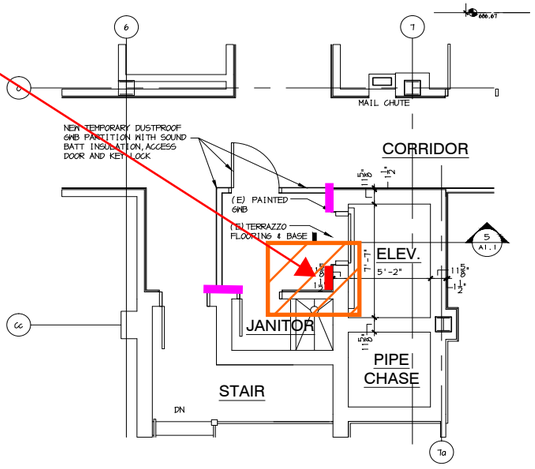
Location of New FACP



2 A1.1 GROUND FLOOR PLAN 1/4"=1'-0"



3 A1.1 FIRST FLOOR PLAN 1/4"=1'-0"



4 A1.1 SECOND FLOOR PLAN 1/4"=1'-0"