State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER	PAGE
DNR212130	1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
FRANK WHITTAKER
304-558-2316

VENDOR
RFQ COPY
TYPE NAME/ADDRESS HERE

SHIP TO
DIVISION OF NATURAL RESOURCES
PARKS & RECREATION SECTION

324 4TH AVENUE
SOUTH CHARLESTON, WV
25303-1228 304-558-3397

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
05/02/2012				

BID OPENING DATE: 05/23/2012 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT

********** ADDENDUM NO. 1 **********

THIS ADDENDUM IS ISSUED TO:

1) EXTEND THE DEADLINE FOR TECHNICAL QUESTIONS AND CLARIFY THE PROPER SUBMISSION PROCESS FOR ALL TECHNICAL QUESTIONS.

THE DEADLINE FOR ALL TECHNICAL QUESTIOND IS 05/09/2012 AT 4:00 PM. ALL TECHNICAL MUST BE SUBMITTED IN WRITING TO FRANK WHITTAKER IN THE WV PURCHASING DIVISION VIA EMAIL AT FRANK.M.WHITTAKER@WV.GOV OR VIA FAX AT 304-558-4115. ALL TECHNICAL QUESTIONS WILL BE ADDRESSED BY ADDENDUM AFTER THE DEADLINE.

SECTION 12 OF THE INFORMATION FOR BIDDERS STATES THAT QUESTIONS ARE TO BE DIRECTED TO ASSOCIATED ARCHITECTS. TO BE CONSIDERED, ALL TECHNICAL QUESTIONS THAT HAVE BEEN SUBMITTED TO THE ARCHITECT MUST BE RESUBMITTED IN WRITING TO FRANK WHITTAKER IN THE WEST VIRGINIA PURCHASING DIVISION PRIOR TO THE DEADLINE.

2) EXTEND THE BID OPENING DATE AND TIME TO 05/23/2012 AT 1:30 PM.

3) PROVIDE THE ATTACHED CLARIFICATIONS/ADDITIONS TO THE SPECIFICATIONS.

4) PRIVIDE THE ATTACHED ASBESTOS REPOT DATED 11/28/2011

5) PROVIDE THE ATTACHED MANDATORY PRE-BID SIGN IN SHEET

6) PROVIDE THE REVISED BID PROPOSAL FORM.

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE

TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

GENERAL TERMS & CONDITIONS
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

1. Awards will be made in the best interest of the State of West Virginia.

2. The State may accept or reject in part, or in whole, any bid.

3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required $125 fee.

4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.

5. Payment may only be made after the delivery and acceptance of goods or services.

6. Interest may be paid for late payment in accordance with the ***West Virginia Code***.

7. Vendor preference will be granted upon written request in accordance with the ***West Virginia Code***.

8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.

10. The laws of the State of West Virginia and the ***Legislative Rules*** of the Purchasing Division shall govern the purchasing process.

11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.

12. BANKRUPTCY: In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.

13. HIPAA BUSINESS ASSOCIATE ADDENDUM: The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at **www.state.wv.us/admin/purchase/vrc/hipaa.html** and is hereby made part of the agreement provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.

14. CONFIDENTIALITY: The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf.

15. LICENSING: Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, and the West Virginia Insurance Commission. The vendor must provide all necessary releases to obtain information to enable the director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

16. ANTITRUST: In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the State of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or Fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.

2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.

3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.

4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130

5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).

ADDENDUM #1

TO: All prime contract bidders:

This Addendum forms a part of the contract documents and modifies the original drawings and specifications dated October, 2011. Acknowledge receipt of this Addendum in the space provided on the Form of Proposal. Failure to do so may subject bidder to disqualification.

The contents of this Addendum consists of the following:

- Revised Bid Proposal Form (adding unit cost for rock) (2 pages)
- Added specification for Termite Treatment Section 02361 (3 pages)
- Revised Wall Section Detail – SK1 (1 page)
- Addendum information PME (7 pages included sketches)

CLARIFICATIONS

1. **No fire rating required on the Manufactured Trusses.**
2. **No Fire Rating required on the framing or sheathing.**
3. **Use 10801 as the specification for the mirror.**
4. **Finish Carpentry applies to the pantry. The contractor is to provide shelving on 3 walls as shown in the drawing. Each shelf shall be 2'-0" deep and located at 24", 42", 60" & 72" above finish floor.**
5. **Section 062402 does not apply to this project.**
6. **Stainless steel tables shall be changed to 4 tables at 24" x 96" each (standard sizes) with turn down edge and bottom shelf. Table shall be bolted together to make 1 16' x 4' unit. Tables shall also be bolted to floor with manufacturer's accessories to prevent moving.**
7. **The contractor is to Provide 16 gauge stainless counter over 2 layers of 3/4" plywood substrate. Counter to have turn down edges and smooth corners.**
8. **An Asbestos inspection has been conducted please find attached report.**
9. **A Lead inspection has been conducted please find attached report.**
10. **All trusses and framing are visible. All venders had the opportunity to inspect the building for themselves at the prebid meeting. The building has not been tested for mold and it will be up to the contractor to deal with if it is encountered during demolition.**
11. **Type A doors are exterior doors and will not have glazing. Remove portion of specifications that refers to glazing in doors.**

12. The drawings have not been submitted to the Fire Marshall yet. They will be submitted prior to construction commencement.

13. Soil Compact shall be as follows: Exterior areas be placed and compacted to a minimum of 95% of the Standard Proctor max. dry density for the material. The compaction requirements are indicated in Section 02300, paragraph 2.5."

14. The Construction Stormwater regulations require that a Notice of Intent be prepared and filed with the WVDEP for projects which will have a disturbed acreage of between 1 and 3 acres. Therefore this project will not require a stormwater construction permit.

    This does not preclude the contractor's requirements for the installation and maintenance of adequate erosion and sediment controls for the project. These are indicated on the drawings and the contractor will be responsible for installing and maintaining these controls during the term of the work.

15. Builders Risk shall be included.

16. There is a two year maintenance bond required for the roofing.

17. The contractor should provide their own shelter. The dorms will be closed for the season.

18. The contractor may use power from the facility for this project.

19. The contractor may use water from the facility for this project as long as the weather allows. The contractor should plan on providing their own water once temperatures drop.

20. A representative from the General Contractor shall be on site while work is being performed.

21. No insulation required for interior walls

22. Light broom finish shall be required on the concrete slab to reduce slick hazards.

23. This project is <u>not</u> a LEED project. All reference to LEED can be eliminated from specifications.

24. FSC certified lumber can be eliminated from the specifications.

SECTION 02361 - TERMITE CONTROL

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes soil treatment for termite control.

1.2 SUBMITTALS

A. Product Data: For each product indicated, including EPA-Registered Label.

B. Product certificates.

C. Soil Treatment Application Report: After application of termiticide is completed, submit report for Owner's record information, including the following as applicable:

1. Date and time of application.
2. Moisture content of soil before application.
3. Brand name and manufacturer of termiticide.
4. Quantity of undiluted termiticide used.
5. Dilutions, methods, volumes, and rates of application used.
6. Areas of application.
7. Water source for application.

1.3 QUALITY ASSURANCE

A. Applicator Qualifications: A pest control operator who is licensed according to regulations of authorities having jurisdiction to apply termite control treatment in jurisdiction where Project is located.

B. Regulatory Requirements: Formulate and apply termiticides, and label with a Federal registration number, to comply with EPA regulations and authorities having jurisdiction.

1.4 WARRANTY

A. Soil Termiticide Special Warranty: Manufacturer's standard form, signed by applicator and Contractor, certifying that applied soil termiticide treatment will prevent infestation of subterranean termites. If subterranean termite activity or damage is discovered within five years from date of Substantial Completion, re-treat soil and repair or replace damage caused by termite infestation.

PART 2 - PRODUCTS

2.1 TERMITE CONTROL

A. Soil Treatment: EPA-registered termiticide complying with requirements of authorities having jurisdiction, in a soluble or emulsible, concentrated formulation that dilutes with water or foaming agent. Use only soil treatment solutions that are not harmful to plants.

PART 3 - EXECUTION

3.1 PREPARATION

A. Remove all extraneous sources of wood cellulose and other edible materials such as wood debris, tree stumps and roots, stakes, formwork, and construction waste wood from soil and around foundations.

3.2 SOIL TREATMENT APPLICATION

A. Apply soil treatment at the label volume and rate for the maximum termiticide concentration allowed for each specific use, according to the product's EPA-Registered Label.

1. Mix termiticide solution to a uniform consistency.
2. Apply to produce a continuous horizontal and vertical termiticidal barrier or treated zone around and under building construction. Distribute the treatment evenly.
3. Slabs-on-Grade: Under ground-supported slab construction, including footings, building slabs, and attached slabs as an overall treatment. Treat soil materials before concrete footings and slabs are placed.
4. Foundations: Adjacent soil including soil along entire inside perimeter of foundation walls, along both sides of interior partition walls, around plumbing pipes and electric conduit penetrating slab, and around interior column footers, piers and along entire outside perimeter, from grade to bottom of footing. Avoid soil washout around footings.
5. Masonry: Treat voids.
6. Penetrations: At expansion joints, control joints, and areas where slabs will be penetrated.

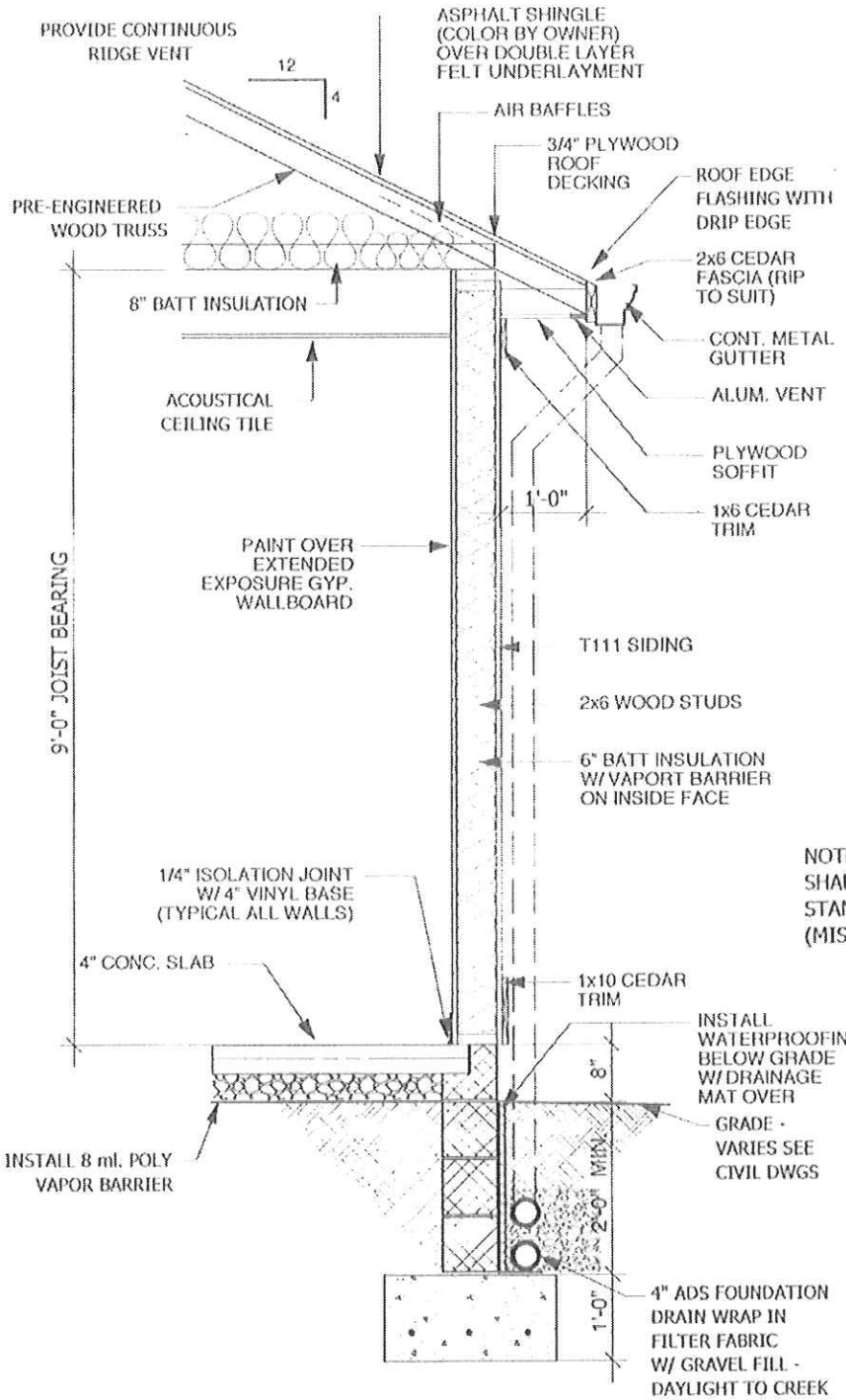
B. Avoid disturbance of treated soil after application. Keep off treated areas until completely dry.

C. Protect termiticide solution, dispersed in treated soils and fills, from being diluted until ground-supported slabs are installed. Use waterproof barrier according to EPA-Registered Label instructions.

D. Post warning signs in areas of application.

E. Reapply soil treatment solution to areas disturbed by subsequent excavation, grading, landscaping, or other construction activities following application.

END OF SECTION 02361



© 4/27/12 ASSOCIATED ARCHITECTS, INC.

ASSOCIATED ARCHITECTS INCORPORATED
PAUL W. TENNANT AIA
MARK N. SPENCER AIA NCARB
318 Lee Street W
Suite 200
Charleston, WV 25302
phone 304.345.1811
fax 304.345.1813

PROPOSED KITCHEN AND DINING HALL CONSTRUCTION AT

CABWAYLINGO STATE FOREST

DUNLOW, WEST VIRGINIA

DATE 4/26/12
DRAWING SK1
REFERENCE A2.1

HE Harper Engineering pllc

52 B Street
St. Albans, WV 25177
Office: 304.722.3602 Fax: 304.722.3603

April 26, 2012

Aric Margolis
Associated Architects, Inc
318 Lee Street West
Charleston, WV 25302

Re: Cabwaylingo

Dear Aric:

Please include the following items in your next addendum.

Drawings:

1. Sheet P1.1

    a. Kitchen 102; Label floor drain at Dishwasher 3"FD-B.

    b. Refer to Plan note "D"; omit and replace with provide 2" gas service into building. Connect 2" gas service to existing line. Field verify location prior to starting any work.

    c. Natural gas entrance; Confirm gas pressure and provide regulator if pressure exceeds 11" W.C.. Regulator shall have capacity to regulate 940 MBH to 7" W.C..

2. Sheet P2.1

    a. Plumbing Fixture Schedule; Omit "existing fixture to be relocated" and replace with the following.

    Provide: 3-Compartment Sink, John Boos Model 43PB18244-2D30.

    Sink, (3) 18" wide x 24" front-to-back x 14" deep compartments, (2) 30" drain boards, 10" high boxed backsplash with 45degree top and 2" return, (20 sets faucet holes, 14/300 stainless steel, 1-5/8" OD stainless steel legs with 1 _" OD adjustable side and front bracing fully welded front apron and adjustable stainless steel feet, NSF.

    3 each Lever waste, 2", straight action
    3 each Lever waste support and arm bracket
    1 each Overshelf, 12" deep, tubular, stainless steel, cantilevered thru splash
    1 each Sink mixing faucet, with 12" swing nozzle, wall mounted, 8" center on sink Faucet with _" IPS CC male inlets, lever handles.

    Approved equal: Southern Stainless

b. Water Heater Detail; Omit and replace with Gas Water Heater Detail. See sketch SK-P1.

c. Refer to Fixture Schedule; add L-2 lavatory; Bradley LAV6101FM-R1-1/2PN-AB-T-NH-4"SET-BB, Stainless steel wall mount lavatory, punched 4" centers, 1 _" NH p-trap, angle braces, waste tailpiece. Provide same faucet as specified for Lavatory L-1.

3. Sheet M1.1

a. Refer to Plan Note "D"; Omit and replace with new Kitchen Hood furnished by mechanical Contractor, refer to attached sketches SK-M1 & SK-M2.

b. Refer to Plan Note "e"; Omit and replace with new Ansul System furnished by mechanical Contractor, refer to attached sketches SK-M1 & SK-M2.

4. Sheet E2.1

a. Water heater; Omit circuit MP-31,33 and disconnect serving water heater. Replace with circuit MP-31, 1P-20A breaker, 2-#12 & #12 GND in _" conduit and provide (2) receptacles @ 72" to serve gas water heaters in same location as electric water heater. Provide spare 1P-20A breaker for MP-33 space in panel.

b. Refer to Plan Note "F" Omit and replace with, Electrical Contractor is responsible for new Kitchen Hood and Ansul System electrical requirements. Electrical Contractor shall provide Relay and associated Fire Alarm interface. Refer to sketches SK-M1 and SK-M2 attached. Utilize circuits MP-28 & MP-34.

c. Freezers/Coolers: Relocate Freezers/Coolers circuits to generator panel "GP". See attached sketches SK-E1 and SK-E2. Circuits MP-13, MP-14 and MP-20 shall be marked as spare.

d. Provide 2P/60-Amp, 240-volt breaker to feed generator panel "GP". Use circuit MP-21,23.

e. Mount generator panel "GP" next to Panel "MP".

5. Sheet E2.2

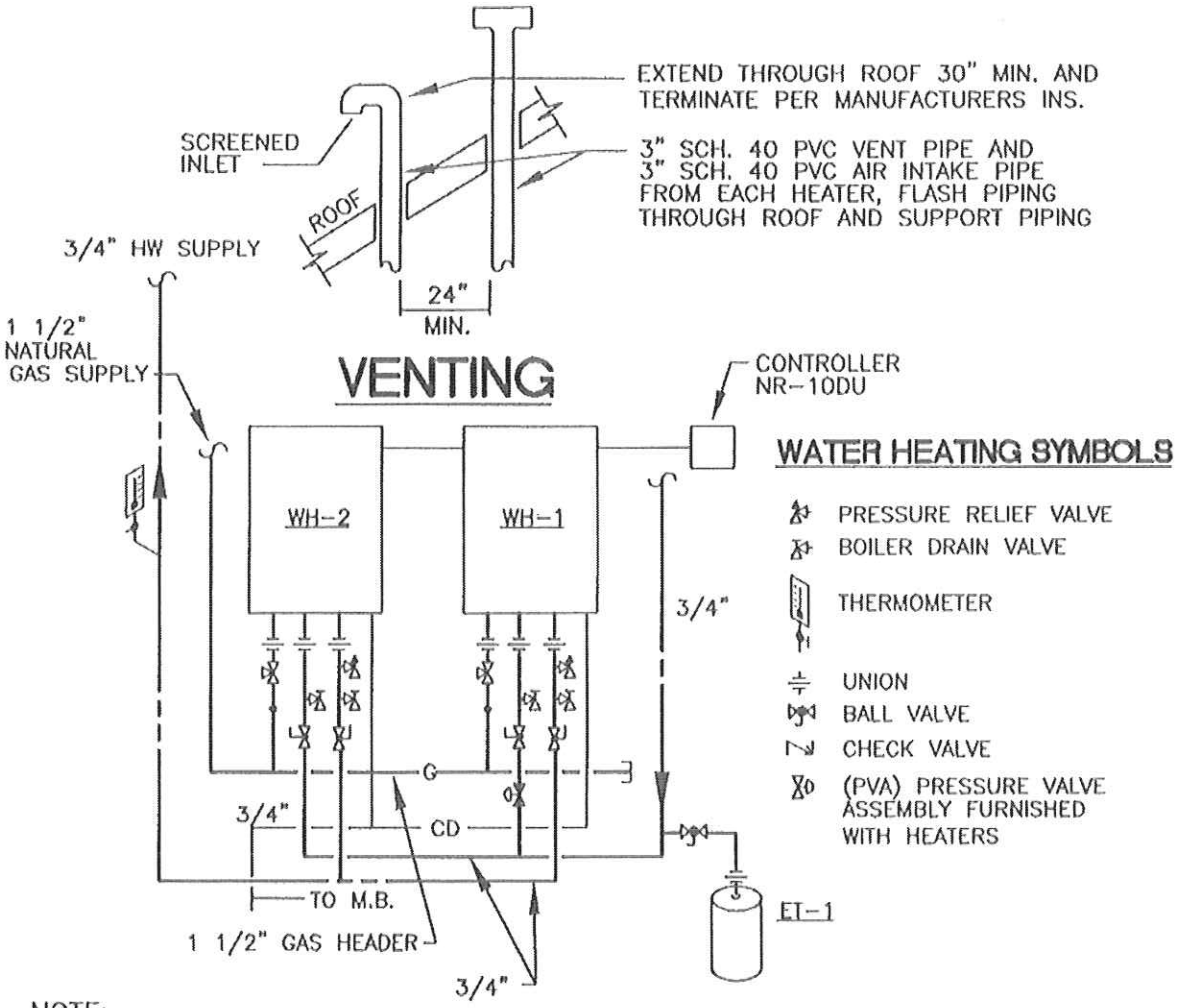
a. Refer to Electrical Riser: Omit and replace with SK-E1.

End of Addendum

WATER HEATING EQUIPMENT

WH-1 & WH-2 WATER HEATERS: NAVIEN NP-240 INSTANTANEOUS HEATER; 98% EFFICIENCY; CONDENSING; DUAL STAINLESS STEEL HEAT EXCHANGER; CONCENTRIC VENTING; COMPLETE WITH RECIRCULATION PACKAGE; TWO MICROPROCESSOR CONTROL; AIR PRESSURE SENSOR ON COMBUSTION AIR; GAS PRESSURE SENSOR; LEAK DETECTOR; AIR INTAKE FILTER; 5.9 GPM @ 65° TEMPERATURE RISE; 15 YEAR HEAT EXCHANGER WARRANTY; 5 YEAR WARRANTY ON PARTS AND COMPONENTS; 1 YEAR LABOR WARRANTY. 199 MBH INPUT; 3" PVC INTAKE AND EXHAUST.

ET-1 EXPANSION TANK: AMTROL ST-5-C



NOTE:
SCHEMATIC ONLY, WATER HEATING SYSTEM SHALL BE INSTALLED PER MANUFACTURERS WRITTEN INSTRUCTIONS.

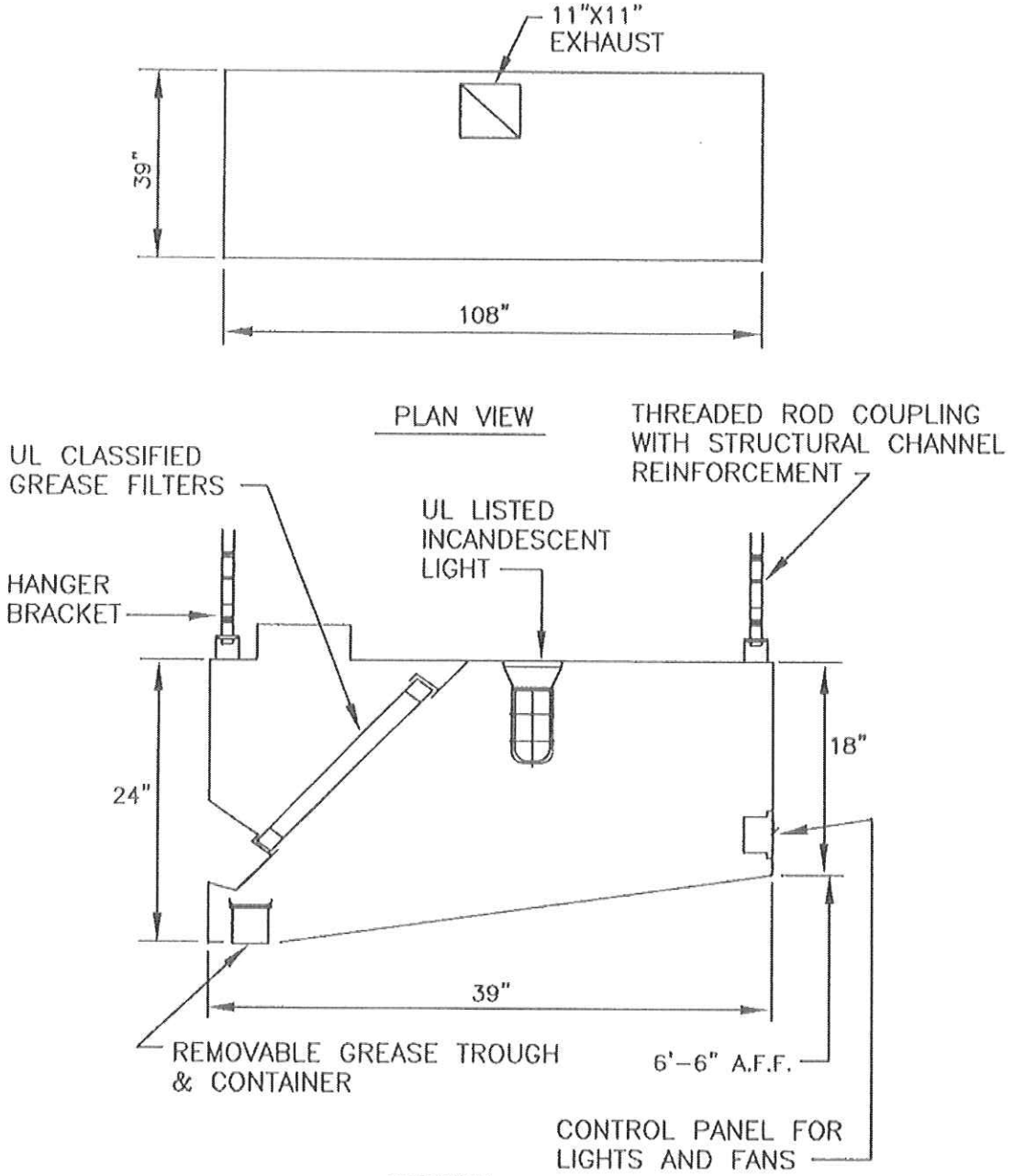
WATER HEATER SCHEMATIC

NTS

Harper
Engineering
52 B STREET
St. Albans, WV 25177
phone.304.722.3602
fax. 304.722.3603

PROPOSED KITCHEN AND DINING HALL CONSTRUCION
AT
CABWAYLINGO STATE FOREST
DUNLOW, WEST VIRGINIA

DATE 4/17/12
DRAWING SK-P1
REFERENCE P2.1



RANGE HOOD DETAIL

NO SCALE

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PROPOSED KITCHEN AND DINING HALL CONSTRUCION
AT
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DUNLOW, WEST VIRGINIA

DATE 4/17/12
DRAWING SK-M1
REFERENCE M1.1

KITCHEN HOOD SCHEDULE

MARK	MANUFACTURER	MODEL NO.	WEIGHT	SIZE			CFM	SP (IN)	VOLTS/PHASE	DUCT COLLAR		NOTES
				LENGTH	WIDTH	HEIGHT				NO.	SIZE	
H-1	GREENHECK	GHEW-T	280 LBS	108"	39"	18"/24"	1,350	0.4	120V/1ø	1	11"X11"	1,2

NOTE:

1) 18GA. STAINLESS STEEL TAPERED WALL HOOD WITH THREE INCANDESCENT LIGHT FIXTURES; FAN AND LIGHT SWITCH; FILTERS.
2) WITH REMOTE WALL MOUNTED CHEMICAL FIRE SUPPRESSION CABINET.

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PROPOSED KITCHEN AND DINING HALL CONSTRUCION
AT
CABWAYLINGO STATE FOREST
DUNLOW, WEST VIRGINIA

DATE 4/17/12
DRAWING SK-M2
REFERENCE M1.1

RISER NOTES:

(A) 1 - 4" CONDUIT WITH 3 - 500MCM.

(B) 1- 1-1/2" CONDUIT WITH 3 - #2 + #8 GRD.

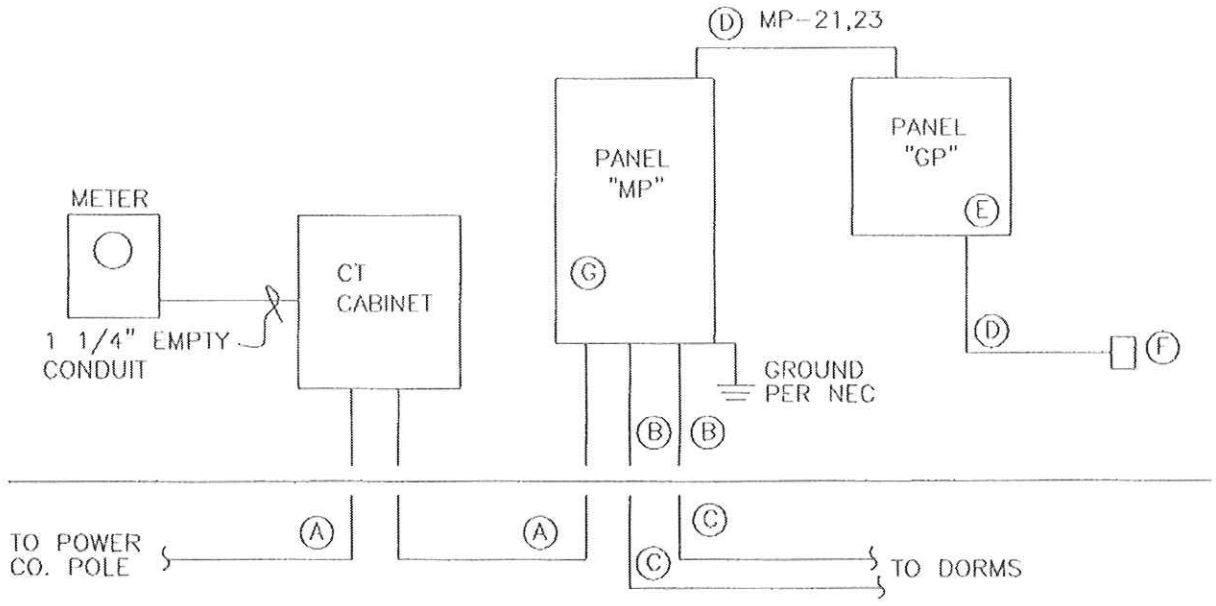
(C) INTERCEPT EXISTING UNDERGROUND CONDUITS TO DORMS. PULL NEW FEEDERS TO DORMS.

(D) 1 - 1" CONDUIT WITH 3 - #6 + #10 GRD.

(E) PROVIDE 60-AMP, 240-VOLT GENERATOR PANEL WITH GROUND BAR (SQUARE D #QO48M60DSGP OR EQUAL).

(F) PROVIDE A 60-AMP, 240-VOLT PORTABLE GENERATOR PLUG ON EXTERIOR OF BUILDING.

(G) PROVIDE 2P/60-AMPS, 240-VOLT BREAKER TO FEED GENERATOR PANEL "GP". USE CIRCUIT # MP-21,23.



ELECTRICAL RISER

NOT TO SCALE

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PROPOSED KITCHEN AND DINING HALL CONSTRUCION
AT
CABWAYLINGO STATE FOREST
DUNLOW, WEST VIRGINIA

DATE 4/17/12
DRAWING SK-E1
REFERENCE E2.2

Panel: GP

X NEMA-1 NEMA-3R NEMA-4X Stainless Steel

Location:

240/120 Volts, 1 Phase, 3 Wire

Main Lug Only X Main Breaker

Bus Rating: 60 Amps Main Breaker: 60 Amps

Minimum Interrupting Capacity: 22,000 Amps Sym.

Flush Mount X Surface Mount

Provide if checked: Isolated Ground Bus

X Equipment Ground Bus Gutter Taps

Sub-Feed Lugs Through-Feed Lugs

Serving	Load (Watts)	Cond. Size 2	Wire Size 1	C/B Trip Amps	Cir. No.	Key Notes	A	C	Key Notes	Cir. No.	C/B Trip Amps	Wire Size 1	Cond. Size 2	Load (Watts)	Serving
UPRIGHT FREEZER/COOLER	900			1P/20	1		X			2	1P/20			900	UPRIGHT FREEZER/COOLER
DEEP FREEZER	660			1P/20	3			X		4	1P/20			660	DEEP FREEZER
Total Load-Odd Circuit (Watts)	1560	1. All wire size: #12 AWG minimum except as noted.												1560	Total Load-Even Circuit (Watts)
Total Load-Panel (Watts)	3120	2. All conduit size: 3/4 inch minimum except as noted.												13.0	Total Connected Full Load Amps
		3. Ground fault interrupting circuit breaker.													
		4. Spare circuit breaker.													
		5. Space only.													

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PROPOSED KITCHEN AND DINING HALL CONSTRUCION
AT
CABWAYLINGO STATE FOREST
DUNLOW, WEST VIRGINIA

DATE 4/17/12
DRAWING SK-E2
REFERENCE E2.2

ASTAR ABATEMENT, INC

Quality Safety Reliability

ASBESTOS REPORT

Report Date:
11-28-2011

Project Number:
11-593

Asbestos Present:

☐ Yes

X☐ No

☐ Friable

☐ Non-Friable

☐ Presumed

Property Owner:
WV-DNR
324 4th Avenue
S. Charleston, WV

Property Address:
4279 Cabwaylingo Park Road
Dunlow, WV

SYNOPSIS

Mr. Brian Carney of the WV – DNR requested an asbestos inspection for the building at 4279 Cabwaylingo Park Road, Dunlow, WV. There was no asbestos detected at this building.

IMPORTANT: This document is intended only for the individual or entity to which it is directed. This document contains competition sensitive information that is privileged, confidential, and/or proprietary. Dissemination, distribution, or reproduction of this document by anyone other than the intended recipient, or a duly designated employee or agent of such recipient, is prohibited. This document, or any portions thereof, may not be divulged to third parties without expressed written consent.

Robert A. Rice 11-28-11
Asbestos Inspector Date
License #: AT0060 43

Peer Review 11-28-11
Date

Post Office Box 13533
Sissonville, West Virginia 25360
Voice: 304-984-4030 Fax: 304-984-4031
www.astarabatement.com
WV022387

ASTAR ABATEMENT, INC
Quality Safety Reliability

Table of Contents

Appendices

ASTAR ABATEMENT, INC
Quality Safety Reliability

Section 1 – Executive Summary

Below is a summary of the data and analysis presented in this document. Additional details are provided in the following sections.

Bulk Sample Concentrations

Astar Abatement, Inc. (Astar) collected bulk samples of suspect materials. Eighteen (18) sample(s) of suspect materials were collected from the structure as described in Section 4 Data Collection and Analysis.

The collected samples were forwarded to EMLab PK, located in San Bruno, CA, for analysis. Table 1 in APPENDIX 3 presents a synopsis of the laboratory data. The results that indicate regulated asbestos containing materials are in highlighted in red.

Conclusions

The analytical results indicate that none of the materials identified in this report are asbestos containing. Current laws and regulations require the removal of asbestos-containing materials (ACM) prior to any renovation or demolition activities which may disturb these materials. If removal of ACM is necessary, a West Virginia Bureau for Public Health (WVBPH) licensed asbestos abatement contractor should be contracted to perform the removal work and submit necessary regulatory notifications. If the property is a single family dwelling and the occupant is also the owner, he/she must contact the West Virginia Bureau for Public Health to get a waiver in order to perform the removal themselves. The WVBPH, Office of Radiation, Toxins and Indoor Air may be reached at 304-558-2981.

Caution should be exercised during the renovation/demolition activities in the event materials not identified in this report, known, assumed, or suspected to contain asbestos are exposed during these activities. In the event additional suspect material is discovered during this activity, work with the potential for disturbance should be stopped until sampling and analysis has been performed.

ASTAR ABATEMENT, INC
Quality Safety Reliability

Section 2 – Scope of Work

In response to a request from WV- DNR, Astar conducted a complete asbestos inspection of the property on 4279 Cabwaylingo Park Road, Dunlow, WV.

The purpose of the inspection was to determine if asbestos containing materials were present prior to demolition. This report represents the results from a full inspection of interior and exterior areas performed in accordance with all established rules and regulations.

This report or any statements or information contained herein shall not be interpreted to imply any conclusions or opinions related in any manner as to whether any potential health risks to individuals exposed to the building environments were or were not present at the time of our inspection or may or may not develop at some time in the future.

This report is not a guarantee or warranty of any kind and was prepared for the exclusive use of the owner and Astar Abatement, Inc. and may be provided to others for disclosure purposes only. Prospective purchasers or any other interested parties are advised that this report is not intended for their use or benefit nor is to be relied upon to ascertain the condition of the property. Astar Abatement, Inc., their employees, agents and subcontractors do not assume any liability for hidden/latent defects or conditions of any kind.

Indemnification:

Astar Abatement, Inc., its employees or subcontractors, shall not be legally responsible for any direct, indirect, incidental, special, consequential or exemplary damages, including (but not restricted to) damages for loss of investment, value, use, expenditure, or other intangible losses (even if Astar has been advised of the possibility of such damages), resulting from: 1) the use or the incapability to use this document or previously related documentation issued by Astar; 2) statements or behavior of any third party; or 3) any other matter relating to our efforts regarding the referenced property. On no occasion shall total legal responsibility to any concerned party for all damages, losses, and causes of action go beyond the amount paid to Astar for the preparation and publication of this specific document.

Every attempt was made to gain access to each and every area or to access representative materials entering or leaving such areas. Astar Abatement, Inc. accepts no liability nor makes any claims regarding asbestos or suspect materials that were not accessible during the inspection process. Especially if such material was located behind or within walls, concrete decks, sub-floors, chases, or was otherwise generally inaccessible without destructive sampling.

The information in the report or portions thereof may be required to be included in the notifications to contractors or other visitors to the building(s). This report is not intended to be used as a specification or work plan for any of the work suggested or recommended in this report.

This report is based upon conditions and practices observed at the property and information made available to the surveyor. This report does not intend to identify all hazards or unsafe practices, or to indicate that other hazards or unsafe practices do no exist at the premises.

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Section 3
Definitions of Terms, Abbreviations, and Symbols:

PLM: Polarized Light Microscopy. Standard methodology for analyzing suspect materials for asbestos content.

Limited Scope: Only certain area(s) of the structure was inspected as per the owner's request. Any suspect material in the remaining area must be considered to be asbestos containing until proven otherwise.

Complete Inspection: Inspection of all areas of the structure including interior and exterior materials and all other areas generally accessible.

ND: None Detected – the level of asbestos was below the detection limit of the analytical method.

<(Left Pointer): Less than…

EPA: United States Environmental Protection Agency

RACM: Regulated Asbestos Containing Material – Any material containing greater than 1% of asbestos.

Friable: Any material, when dry, that can be crushed, crumbled or reduced to powder by hand pressure.

Category I Non-Friable: Resilient floor covering, roofing, gaskets or packings.

Category II Non-Friable: All other non-friable asbestos containing materials.

WVBPH: West Virginia Bureau for Public Health - Radiation, Toxics and Indoor Air Division

Sq. Ft. (sf): Square feet

Ln. Ft.(lf): Linear feet

TSI: Thermal System Insulation

Ftgs: Fittings

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Section 4 – Sample Collection and Analysis

This section presents a summary of the sample collection and analysis tasks.

Laboratory Requirements

A laboratory experienced in the analysis of building materials and maintaining traceable quality control documentation is necessary to establish a reliable chain of evidence. The laboratory shall successfully participate in the American Industrial Hygiene Association (AIHA) bulk asbestos quality assurance program or the National Voluntary Laboratory Accreditation Program (NVLAP). NVLAP accreditation is required for the analysis of public or private school samples (K-12).

Summary of Data Collection and Analysis

Astar collects samples of suspect materials that may contain asbestos fibers according to the table below:

Est. Quantity of Surfacing Materials	# Samples
<1,000 sq. ft.	3
1,001 sq. ft. – 5,000 sq. ft.	5
>5,000 sq. ft.	7
Thermal System Insulation	
Per Homogeneous area	3
Per 6 ln. ft. patch	1
Miscellaneous & Non-friable	
Per Homogeneous area	1*
*The inspector shall insure that the number of samples taken were "sufficient to determine" whether the material contains asbestos.	

The sample(s) were collected and placed in a clean, sealable container and labeled with a unique identifying number. This sample number was then recorded on the Sample Chain of Custody (COC) and when conditions permit on the sample location to permit identification of the material in the future. To avoid the potential release of asbestos fibers, Astar performs bulk sampling of suspect material in accordance with generally accepted procedures outlined in the Asbestos Hazard Emergency Response Act (AHERA). Additional information may have also been recorded including the date of the inspection, inspector's name, building name or number, description and location of the material being sampled and quantity of material. The location of the sample may also be recorded on a drawing.

Analysis of Samples

Bulk samples were submitted to the laboratory for analysis by PLM with dispersion staining (EPA-600/R-93/116). The EPA currently recommends this method for the determination of asbestos in bulk samples of suspect materials, can be used for the qualitative identification of the six (6) different types of asbestos fibers: Chrysotile, Amosite, Crocidolite, Anthophyllite, Tremolite and Actinolite. This method specifies that the asbestos content will be estimated and reported as a finite percentage (rounded to the nearest percent) within the range of zero to one hundred percent (0%-100%).

The results of the bulk sample analysis are reported in the laboratory report located in the Appendix of this report. The report includes the sample number, laboratory assigned number along with the asbestos

content of each sample. If a bulk sample contained more than one distinct layer of material, each layer was analyzed separately. This separation resulted in a total number of eighteen (18) samples being analyzed.

The EPA recommends for bulk samples containing less than ten percent (<10%) of asbestos, the sample be analyzed by the point count method reference PLM, EPA 600/R-93/116. This analytical method is a more accurate way of determining the actual asbestos content percentage. For this particular project, 0 sample(s) was/were analyzed using the point count methods. A copy the laboratory results and the chain of custody are located in the Appendix.

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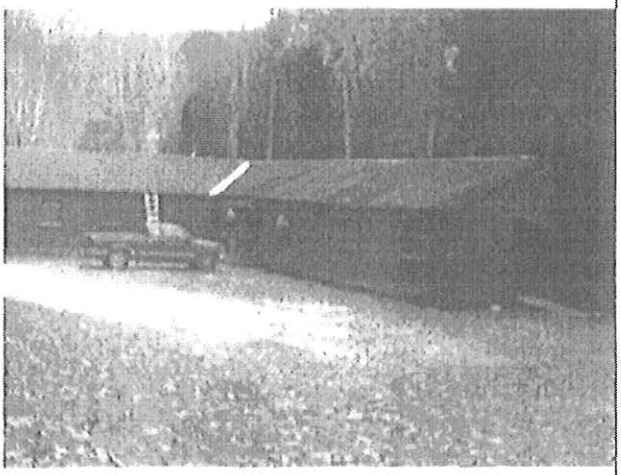
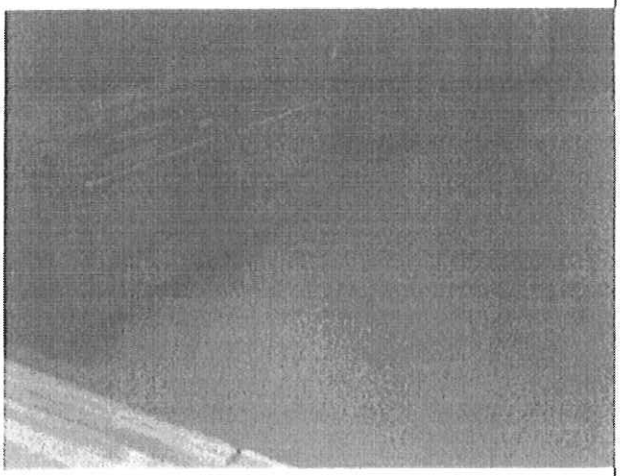
Section 5 – Photograph/Drawings





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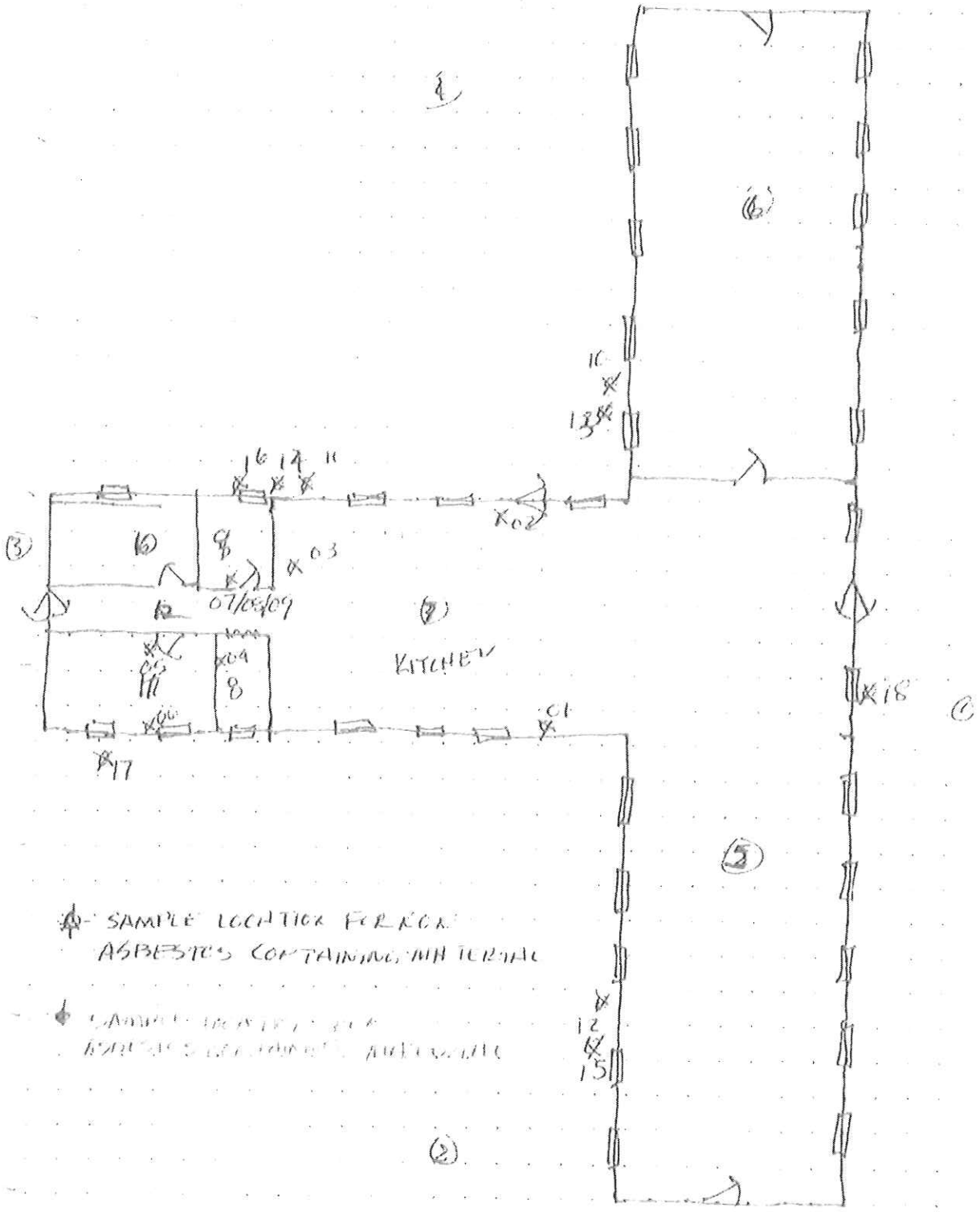
ASTAR Abatement, Inc.

Job #- 11-5931594

Site: CABWAYLINGO PARK, DUNLOW, WV

Insp: RAG/LM Date: 11-9-11

1" = 3'-0"



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Appendix 1
Laboratory Results

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Client WV DNR, Dorlow, WV
Inspector RNG & LEM
Job # 11-593
Date 11-

Turn-Around Time: ☐ 4 Hours ☐ 24 Hours ☒ 48 Hours ☐ 3 Days ☐ 5 Days

	Sample ID	Material Description	Lab ID
1	593-01	12x12 FLOOR TILE GRAY / WITH YELLOW MASTIC	
2	02	〃 〃 〃 〃	
3	03	〃 〃 〃 〃	
4	04	12x12 FLOOR TILE, WHITE / WITH YELLOW MASTIC	
5	05	〃 〃 〃 〃	
6	06	〃 〃 〃 〃	
7	07	12x12 FLOOR TILE GREEN / WITH YELLOW MASTIC	
8	08	〃 〃 〃 〃	
9	09	〃 〃 〃 〃	
10	10	ROOFING SHINGLES BROWN	
11	11	〃 〃 〃	
12	12	〃 〃 〃	
13	13	BACKING FELT BLACK	
14	14	〃 〃 〃	
15	15	〃 〃 〃	
16	16	WINDOW CAULKING	
17	17	〃 〃 〃	
18	18	〃 〃 〃	
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			

000854296

Check Back For Additional Samples

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
Lester E. Mitchell III	11-9-11	[illegible]	11/10/11 930
Relinquished By:	Date/Time:	Relinquished By:	Date/Time:

PO Box 13533
Sissonville, WV 25360

Corporate E-mail
astatinc@verizon.net

304-984-4030 Voice
304-984-4031 Fax

ASTAR ABATEMENT, INC
Quality Safety Reliability

EMLab P&K

Report for:

Mr. Greg Pauley
Astar Abatement, Inc.
P. O. Box 13533
Sissonville, WV 25360

Regarding: Project: 11-593
EML ID: 854296

Approved by:

Lab Manager
Dr. Kamashwaran Ramanathan

Dates of Analysis:
Asbestos-EPA Method 600/R-93/116: 11-14-2011

Service SOPs: Asbestos-EPA Method 600/R-93/116 (EPA-600/M4-82-020 (SOP 01264))

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the items tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data can be provided when requested

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

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EMLab P&K
1150 Bayhill Drive, Suite 100, San Bruno, CA 94066
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: Astar Abatement, Inc.
C/O: Mr. Greg Pauley
Re: 11-593

Date of Submittal: 11-09-2011
Date of Receipt: 11-10-2011
Date of Report: 11-15-2011

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Total Samples Submitted:	18
Total Samples Analysed:	18
Total Samples with Layer Asbestos Content > 1%:	0

Location: 593-01, 12x12 floor tile gray/with yellow mastic Lab ID-Version‡: 3790476-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Gray Floor Tile	ND
Sample Composite Homogeneity:	Good

Location: 593-02, 12x12 floor tile gray/with yellow mastic Lab ID-Version‡: 3790477-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Gray Floor Tile	ND
Sample Composite Homogeneity:	Good

Location: 593-03, 12x12 floor tile gray/with yellow mastic Lab ID-Version‡: 3790478-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Gray Floor Tile	ND
Sample Composite Homogeneity:	Good

Location: 593-04, 12x12 floor tile white/with yellow mastic Lab ID-Version‡: 3790479-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Beige Floor Tile	ND
Sample Composite Homogeneity:	Good

The results relate only to the items tested. Interpretation is left to the company and/or persons who conducted the field work. The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

All samples were received in acceptable condition unless otherwise noted. EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed.
‡ A "Version" indicated by a "x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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EMLab P&K
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(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: Astar Abatement, Inc.
C/O: Mr. Greg Pauley
Re: 11-593

Date of Submittal: 11-09-2011
Date of Receipt: 11-10-2011
Date of Report: 11-15-2011

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 593-05, 12x12 floor tile white/with yellow mastic Lab ID-Version‡: 3790480-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Beige Floor Tile	ND
Sample Composite Homogeneity:	Good

Location: 593-06, 12x12 floor tile white/with yellow mastic Lab ID-Version‡: 3790481-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Beige Floor Tile	ND
Sample Composite Homogeneity:	Good

Location: 593-07, 12x12 floor tile green/with yellow mastic Lab ID-Version‡: 3790482-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Green Floor Tile	ND
Sample Composite Homogeneity:	Good

Location: 593-08, 12x12 floor tile green/with yellow mastic Lab ID-Version‡: 3790483-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Green Floor Tile	ND
Sample Composite Homogeneity:	Good

The results relate only to the items tested. Interpretation is left to the company and/or persons who conducted the field work. The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

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Client: Astar Abatement, Inc.
C/O: Mr. Greg Pauley
Re: 11-593

Date of Submittal: 11-09-2011
Date of Receipt: 11-10-2011
Date of Report: 11-15-2011

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 593-09, 12x12 floor tile green/with yellow mastic Lab ID-Version‡: 3790484-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Green Floor Tile	ND
Sample Composite Homogeneity:	Good

Location: 593-10, Roofing shingles-brown Lab ID-Version‡: 3790485-1

Sample Layers	Asbestos Content
Black Roofing Shingle	ND
Composite Non-Asbestos Fibrous Content:	45% Glass Fibers
Sample Composite Homogeneity:	Good

Location: 593-11, Roofing shingles-brown Lab ID-Version‡: 3790486-1

Sample Layers	Asbestos Content
Black Roofing Shingle	ND
Composite Non-Asbestos Fibrous Content:	45% Glass Fibers
Sample Composite Homogeneity:	Good

Location: 593-12, Roofing shingles-brown Lab ID-Version‡: 3790487-1

Sample Layers	Asbestos Content
Black Roofing Shingle	ND
Composite Non-Asbestos Fibrous Content:	45% Glass Fibers
Sample Composite Homogeneity:	Good

Location: 593-13, Roofing felt-black Lab ID-Version‡: 3790488-1

Sample Layers	Asbestos Content
Black Roofing Felt	ND
Composite Non-Asbestos Fibrous Content:	95% Cellulose
Sample Composite Homogeneity:	Good

The results relate only to the items tested. Interpretation is left to the company and/or persons who conducted the field work. The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

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Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed.
‡ A "Version" indicated by "x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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Client: Astar Abatement, Inc.
C/O: Mr. Greg Pauley
Re: 11-593

Date of Submittal: 11-09-2011
Date of Receipt: 11-10-2011
Date of Report: 11-15-2011

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 593-14, Roofing felt-black Lab ID-Version‡: 3790489-1

Sample Layers	Asbestos Content
Black Roofing Felt	ND
Composite Non-Asbestos Fibrous Content:	95% Cellulose
Sample Composite Homogeneity:	Good

Location: 593-15, Roofing felt-black Lab ID-Version‡: 3790490-1

Sample Layers	Asbestos Content
Black Roofing Felt	ND
Composite Non-Asbestos Fibrous Content:	95% Cellulose
Sample Composite Homogeneity:	Good

Location: 593-16, Window caulking Lab ID-Version‡: 3790491-1

Sample Layers	Asbestos Content
Beige Window Putty with Paint	ND
Sample Composite Homogeneity:	Good

Location: 593-17, Window caulking Lab ID-Version‡: 3790492-1

Sample Layers	Asbestos Content
Beige Window Putty with Paint	ND
Sample Composite Homogeneity:	Good

Location: 593-18, Window caulking Lab ID-Version‡: 3790493-1

Sample Layers	Asbestos Content
Beige Window Putty with Paint	ND
Sample Composite Homogeneity:	Good

The results relate only to the items tested. Interpretation is left to the company and/or persons who conducted the field work. The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

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Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed.
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Appendix 2
Certification/License

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WEST VIRGINIA

Asbestos Program

Robert A. Gerwig

IS LICENSED AS AN

ASBESTOS INSPECTOR

License #	A1006043
Issued	9/27/2010
Expires	9/30/2011

Randy C. Huffman, Dir. WV DEP/DEA

is Certificate is Awarded to

Robert A. Gerwig

Who has successfully completed the below course with a score of 70% or better. This course is West Virginia and EPA approved and meets the requirements setforth in 40 CFR Part 763 (AHERA) for purposes of accreditation required under TSCA Title II. This course was conducted by Astar Abatement, Incorporated.

Asbestos Building Inspector Refresher

Course Start Date
4/5/2011

Exam Date
4/5/2011

Expiration Date
4/5/2012

Total Hours
4

Certificate Number
AC13107-401

ASTAR ABATEMENT, INC
Quality Safety Reliability
Post Office Box 13533
Sissonville, West Virginia 25360
Phone: (304) 984-4030
Fax: (304) 984-4031

Jeff G. Bailey
Instructors Name

Instructors Signature

There is a printed watermark below the Instructors signature on the original

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Appendix 3
SUMMARY OF ACM MATERIALS

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Material Description	Sample #	Quantity	Result	Room #
12"x12" Floor tile, gray w/ yellow mastic	593-01/02/03	-----	NAD	Kitchen
12"x12" Floor tile, white w/ yellow mastic	593-04/05/06	-----	NAD	Wash / bedroom
12"x12" Floor tile, green w/ yellow mastic	593-07/08/09	-----	NAD	Bathroom
Roof shingles, brown	593-10/11/12	-----	NAD	Throughout
Roof felt, black	593-13/14/15	-----	NAD	Throughout
Window glazing	593-16/17/18	-----	NAD	Throughout

SF-Square Feet LF – Lineal Feet JT – Joints NAD – No Asbestos Detected

No asbestos containing materials detected for sample collected.

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LEAD-BASED PAINT REPORT

Report Date:
11-11-2011

Project Number:
11-594

Lead-Based Paint/Lead Containing Materials Present:

☒ Yes
☐ No
☐ Presumed

Property Owner:
WV - DNR
324 4th Avenue
S. Charleston, WV

Property Address:
4279 Cabwaylingo Park Road
Dunlow, WV

SYNOPSIS

Mr. Brian Conley requested a lead-based paint inspection for the Dining Hall Facility at 4279 Cabwaylingo Park Road, Dunlow, WV. Refer to Section - 2, Scope of Work for detailed listing with results of surfaces detected for the presence of lead.

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Robert A. Gruis 11-11-11
Lead-Based Paint Inspector Date
License #: PI00400

Gregory Conley 11-29-2011
Peer Review Date

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Sissonville, West Virginia 25360
Voice: 304-984-4030 Fax: 304-984-4031
www.astarabatement.com
WV022387

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Table of Contents

Appendices

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Section 1 – Lead Paint Inspection and XRF Testing Procedures

The U.S. Department of Housing and Urban Development (HUD) and the U.S. Environmental Protection Agency (EPA) define an inspection as a surface-by surface investigation to determine the presence of lead-based paint (see 40 CFR part 745 and Title X of the 1992 Housing and Community Development Act).

As per the EPA & HUD guidelines lead based paint is defined as a dried paint film with a lead concentration of greater than or equal to 1.0 mg/cm^2 or 0.5 percent by weight for this survey. Lead paint amounts were reported mg/cm^2 because this unit of measurement does not depend on the number of layers of non-lead based paint. OSHA defines lead containing as any material that has a measurable amount of lead present. Therefore XRF analysis is not acceptable for OSHA compliance. The owner/contractor may, at their own liability, choose to use the Sequential Results, located in **Appendix 1**, and make the determination that any reading above 0.00 is lead containing.

Portable XRF Testing Machines

Portable XRF lead-based paint analyzers are the most common primary analytical method for inspections because of their demonstrated abilities to:

1. Determine if lead-based paint is present on many different types of surfaces
2. Measure the paint without destructive sampling or paint removal
3. Provide sample results immediately and at a relatively low cost per sample

Portable XRF instruments expose a building component to X rays or gamma radiation, which causes lead to emit X-rays with a characteristic frequency or energy. The intensity of this radiation is measured by the instrument. The inspector must then compare this displayed value (reading) with the inconclusive range or threshold specified in the XRF Performance Characteristic Sheet for the specific substrate beneath the painted surface. If the reading is less than the lower boundary of the inconclusive range, or less than the threshold, then the reading is considered negative. If the reading is greater than the upper boundary of the inconclusive range, or greater or equal to the threshold, then the reading is considered positive. Readings within the inconclusive range, including its boundary values, are considered inconclusive. Because the inconclusive ranges and/or thresholds shown in the Performance Characteristic Sheet are based on 1.0 mg/cm^2, positive and negative readings are consistent with the HUD definition of lead-based paint for identification and disclosure purposes.

XRF Inspection Methodology

Astar Abatement, Inc. conducts LBP Inspections using XRF methodology in a strict and rigorous manner. Our inspection methodology is based on Chapter 7 of the U.S. Department of Housing and Urban Development's (HUD) *Guidelines for the Evaluation and Control of Lead Based Paint Hazards in Housing*. A typical Lead-Based Paint Inspection involves several distinct tasks:

1. **Side identification:** Identify perimeter wall sides with letters A, B, C, and D (or numbers or Roman numerals). Side A for single-family housing is the street side for the address. Side A in multifamily housing is the apartment entry door side. Side B, C, and D are identified clockwise from Side A as one faces the dwelling; thus Wall B is to the left, Wall C is across from Side A, and Side D is to the right of Side A. Each room equivalent's side identification follows the scheme for the whole housing unit.

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Because a room can have two or more entries, sides should not be allocated based on the entry point. For example, giving a closet a side allocation based on how the room is entered would make it difficult for another person to make an easy identification, especially if the room had two closets and two entryways.

2. **Room Equivalent Identification:** Room equivalents should be identified by both a number and a use pattern (for example, Room 5-Kitchen). Room 1 is always the exterior. As the inspector enters the structure to be inspected, room 2 is to be the room which contains the entry door to the dwelling or facility. Each subsequent room equivalent is then numbered. Room 3 is designated as the room which is nearest to the left hand side of Room 2 (if facing the dwelling with back towards the dwelling's primary entrance). Room numbering is then continued in a clockwise fashion. If multiple closets exist, they are given the side allocation: for example, Room 3, Side C Closet. The exterior is always assigned a separate room equivalent identifier.

3. **Sides in a Room:** Sides in an interior room equivalent follow the overall housing unit side allocation. Therefore, when standing in any four-sided room facing Side C, the room's Side A will always be to the rear, Side B will be to the left, and Side D will be to the right.

See **Appendix 4** for an example diagram of a room and common components such as the inspector utilizes.

Using the XRF device, the inspector collects readings from all testing combinations in Room 1. When all testing combinations are tested, the inspector then continues the inspection with the remaining room equivalents. The inspection is finished when all testing combinations in the dwelling or facility have been tested.

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Section 2 – Scope of Work

In response to a request from Brian Conley, Astar conducted a complete lead paint inspection of the property on 4279 Cabwaylingo Park Road, Dunlow, WV. This report represents the results from the complete inspection performed in accordance with all established rules and regulations. The inspection was characterized by a close visual inspection of all accessible areas. Suspect paints were sampled and inventoried for quantity and condition.

The inspection for lead-based paint included the following locations:

4 Exterior (A) – Door, wood, brown color – fair condition (0.1 mg/cm2)
6 Exterior (A) – Wall, wood, brown color – poor condition (0.1 mg/cm2)
7 Exterior (A) – Window sash, wood, brown color – poor condition (0.3 mg/cm2)
8 Exterior (A) – Window sill, wood, brown color – poor condition (0.2 mg/cm2)
9 Exterior (B) – Door, wood, brown color – poor condition (0.1 mg/cm2)
10 Exterior (B) – Wall, wood, brown color – fair condition (0.2 mg/cm2)
12 Exterior (B) – Window casing, wood, brown color – poor condition (0.2 mg/cm2)
14 Exterior (D) – Wall, wood, brown color – fair condition (0.1 mg/cm2)
16 Exterior (D) – Window casing, wood, brown color – poor condition (0.2 mg/cm2)
19 Interior Room 5 – Dining Hall – Door, wood, brown color – fair condition (0.2 mg/cm2)
21 Interior Room 5 – Dining Hall – Window sash, wood, white color – fair condition (2.1 mg/cm2)
29 Interior Room 6 – Dining Hall – Window sash, wood, white color – fair condition (0.1 mg/cm2)
36 Interior Room 7 – Kitchen – Door, wood, brown color – fair condition (0.1 mg/cm2)
40 Interior Room 7 – Kitchen – Window sash, wood, white color – fair condition (0.2 mg/cm2)
42 Interior Room 8 – Wash Room - Wall (C), wood, white color – intact condition (0.1 mg/cm2)
50 Interior Room 10 – Bedroom - Door (B), wood, white color – fair condition (0.4 mg/cm2)
53 Interior Room 11 – Bathroom - Door (B), wood, white color – fair condition (0.1 mg/cm2)
54 Interior Room 11 – Bathroom sink, metal, white color – fair condition (4.0 mg/cm2)

Conclusion: The following are indicated painted surfaces containing lead:

- **All exterior surfaces painted brown in color**
- **All interior door and window units (painted brown or white)**
- **Bathroom sink unit**

This report or any statements or information contained herein shall not be interpreted to imply any conclusions or opinions related in any manner as to whether any potential health risks to individuals exposed to the building environments were or were not present at the time of our inspection or may or may not develop at some time in the future.

This report is not a guarantee or warranty of any kind and was prepared for the exclusive use of the owner and Astar Abatement, Inc. and may be provided to others for disclosure purposes only. Prospective purchasers or any other interested parties are advised that this report is not intended for their use or benefit nor is to be relied upon to ascertain the condition of the property. Astar Abatement, Inc., their employees, agents and subcontractors do not assume any liability for hidden/latent defects or conditions of any kind.

Indemnification:

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Astar Abatement, Inc., its employees or subcontractors, shall not be legally responsible for any direct, indirect, incidental, special, consequential or exemplary damages, including (but not restricted to) damages for loss of investment, value, use, expenditure, or other intangible losses (even if Astar has been advised of the possibility of such damages), resulting from:

1. The use or the incapability to use this document or previously related documentation issued by Astar;
2. Statements or behavior of any third party; or
3. Any other matter relating to our efforts regarding the referenced property. On no occasion shall total legal responsibility to any concerned party for all damages, losses, and causes of action go beyond the amount paid to Astar for the preparation and publication of this specific document.

Every attempt was made to gain access to each and every area or to access representative materials entering or leaving such areas. Astar Abatement, Inc. accepts no liability nor makes any claims regarding materials that were not accessible during the inspection process. Especially if such material was located behind or within walls, concrete decks, sub-floors, chases, or was otherwise generally inaccessible.

This report is not intended to be used as a specification or work plan for any of the work suggested or recommended in this report. It is based upon conditions and practices observed at the property and information made available to the surveyor. This report does not intend to identify all hazards or unsafe practices, or to indicate that other hazards or unsafe practices do no exist at the premises.

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Section 3 – Summary of Findings for Lead-Based Paint

Lead Based Paint was detected in the following painted surfaces (>1.0 mg/cm^2 as per EPA/HUD Standards):

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR:

Inspection Date:	11/09/11
Report Date:	11/9/2011
Abatement Level:	1.0
Report No.	11/09/11 11:00
Total Readings:	60 Actionable: 3
Job Started:	11/09/11 11:00
Job Finished:	11/09/11 11:37

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm^2)	Mod
Interior Room 005 Dining Rm									
021	A	Window	Lft	Sash	F	Wood	white	2.1	QM
Interior Room 011 Bathroom									
055	B	Sink	Lft		F	Steel	white	4.0	QM
056	B	Sink	Lft		F	Steel	white	6.4	QM

---- End of Readings ----

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Section 4 – Recommendations for Lead Based Paint

All LBP that will be disturbed by any proposed repair/renovation should be removed in accordance with applicable federal, state and local regulatory requirements. It should be noted that personal air monitoring should be conducted when disturbing lead based paints and lead containing materials as per 29 CFR 1926.62 (OSHA).

Extreme Caution should be exercised during the repair/renovation activities, during which the above identified components may be disturbed. All necessary steps must be taken to prevent any dust, chips or debris from these materials, migrating from the repair/renovation area. Proper PPE must be worn by any worker who is involved in or working nearby the area. Caution should also be exercised in the event materials not identified in this report, known, assumed, or suspected to be lead containing or lead-based paint covered, are exposed during these activities. In the event additional suspect material is discovered during this activity, any work activity, with the potential for disturbance, should be stopped until sampling and analysis has been performed

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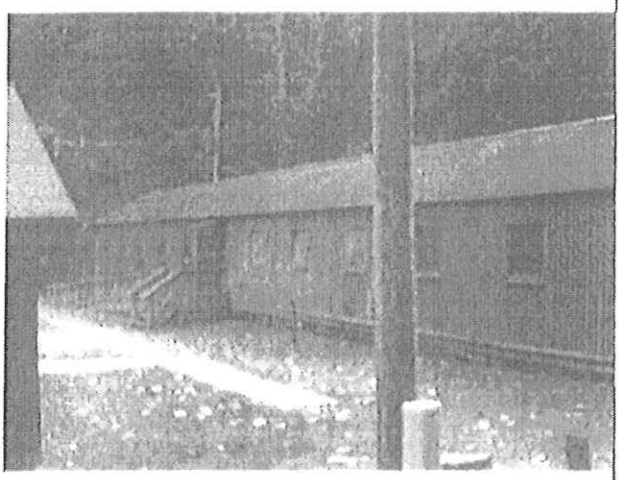
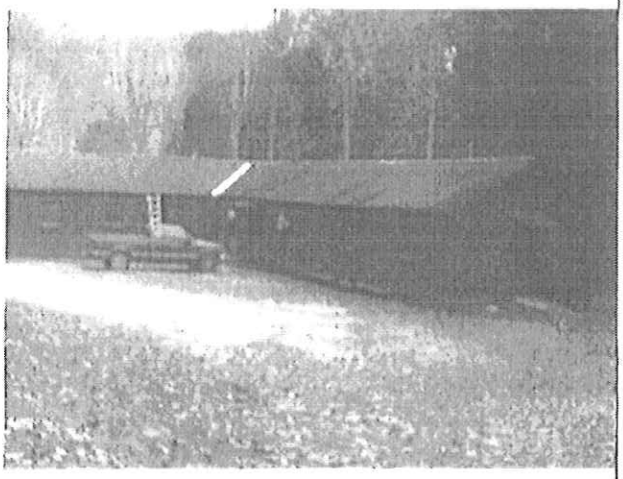
Section 5 – Photographs





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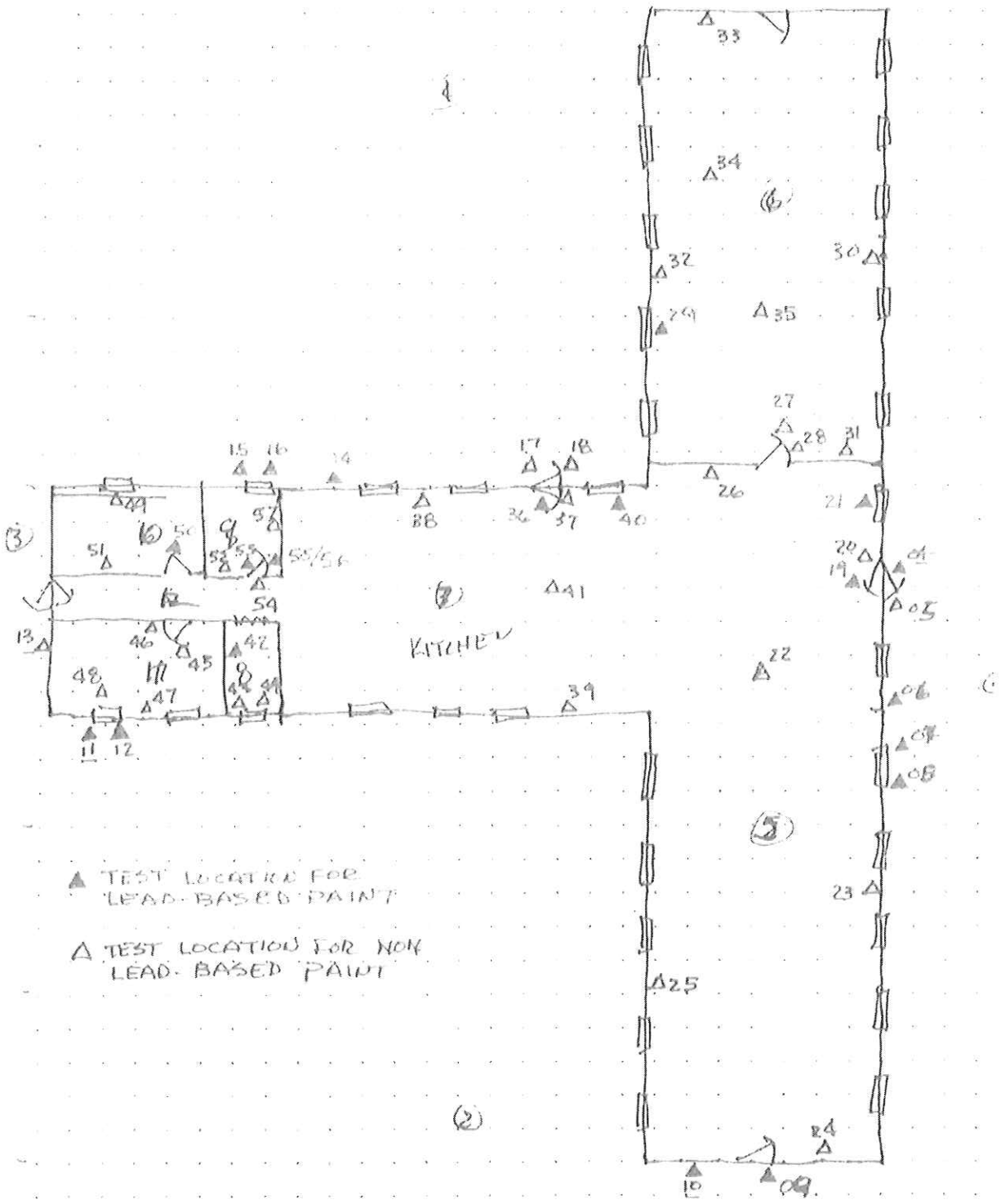
Job #- 11-5931594

Site: CARWAY LINGO PARK, DUNLOW, WV

Insp: RAG/LM Date: 11-9-11

1" = 3'-0"



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Appendix 1
XRF Sequential Results

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LEAD PAINT INSPECTION REPORT

REPORT NUMBER: 11/09/11 11:00

INSPECTION FOR: WV DNR
324 4TH AVENUE
SOUTH CHARLESTON, WV 25303

PERFORMED AT: 4279 CABWAYLINGO PARK ROAD
DUNLOW, WV 25511

INSPECTION DATE: 11/09/11

INSTRUMENT TYPE: R M D
MODEL LPA-1
XRF TYPE ANALYZER
Serial Number: 3284

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: PI 00400

SIGNED: Richard D. Lewis Date: 11-9-11

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SEQUENTIAL REPORT OF LEAD PAINT INSPECTION FOR:

Inspection Date: 11/09/11
Report Date: 11/9/2011
Abatement Level: 1.0
Report No. 11/09/11 11:00
Total Readings: 60
Job Started: 11/09/11 11:00
Job Finished: 11/09/11 11:37

Read No.	Rm No.	Room Name	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mod
1		CALIBRATION								0.7	TC
2		CALIBRATION								0.8	TC
3		CALIBRATION								0.7	TC
4	001	Exterior	A	Door	Lft	U Rgt	F	Wood	Brown	0.1	QM
5	001	Exterior	A	Door	Lft	Rgt casing	F	Wood	Brown	0.0	QM
6	001	Exterior	A	Wall	Lft		P	Wood	Brown	0.1	QM
7	001	Exterior	A	Window	Lft	Sash	P	Wood	Brown	0.3	QM
8	001	Exterior	A	Window	Lft	Sill	P	Wood	Brown	0.2	QM
9	002	Number Only	B	Door	Lft	U Rgt	F	Wood	Brown	0.1	QM
10	002	Number Only	B	Wall	Lft		F	Wood	Brown	0.2	QM
11	002	Number Only	B	Window	Lft	Sash	F	Wood	Brown	-0.1	QM
12	002	Number Only	B	Window	Lft	Rgt casing	F	Wood	Brown	0.2	QM
13	003	Number Only	C	Wall	Lft		F	Wood	Brown	0.0	QM
14	004	Number Only	D	Wall	Lft		F	Wood	Brown	0.1	QM
15	004	Number Only	D	Window	Lft	Sash	P	Wood	Brown	0.5	QM
16	004	Number Only	D	Window	Lft	Rgt casing	P	Wood	Brown	0.2	QM
17	004	Number Only	D	Door	Lft	Header	P	Wood	Brown	0.0	QM
18	004	Number Only	D	Door	Lft	Lft casing	P	Wood	Brown	0.0	QM
19	005	Dining Rm	A	Door	Lft	U Rgt	F	Wood	Brown	0.2	QM
20	005	Dining Rm	A	Door	Lft	Lft casing	F	Wood	white	-0.3	QM
21	005	Dining Rm	A	Window	Lft	Sash	F	Wood	white	2.1	QM
22	005	Dining Rm	A	Floor	Lft		F	Wood	Grey	-0.1	QM
23	005	Dining Rm	A	Wall	Lft		F	Wood	white	-0.1	QM
24	005	Dining Rm	B	Wall	Lft		F	Wood	white	-0.3	QM
25	005	Dining Rm	C	Wall	Lft		F	Wood	white	0.0	QM
26	005	Dining Rm	D	Wall	Lft		F	Wood	white	0.0	QM
27	006	Dining Rm	B	Door	Lft	U Rgt	F	Wood	white	0.0	QM
28	006	Dining Rm	B	Door	Lft	Rgt casing	F	Wood	white	-0.2	QM
29	006	Dining Rm	C	Window	Lft	Sash	F	Wood	white	0.1	QM
30	006	Dining Rm	A	Wall	Lft		F	Wood	white	0.0	QM
31	006	Dining Rm	B	Wall	Lft		F	Wood	white	-0.2	QM
32	006	Dining Rm	C	Wall	Lft		F	Wood	white	0.0	QM
33	006	Dining Rm	D	Wall	Lft		F	Wood	white	0.0	QM
34	006	Dining Rm	D	Ceiling	Lft		F	Wood	white	0.0	QM
35	006	Dining Rm	D	Floor	Lft		F	Wood	Grey	-0.1	QM
36	007	Kitchen	D	Door	Lft	U Rgt	F	Wood	Brown	0.1	QM
37	007	Kitchen	D	Door	Lft	Rgt casing	F	Wood	white	0.0	QM
38	007	Kitchen	D	Wall	Lft		I	Wood	Grey	-0.2	QM
39	007	Kitchen	D	Wall	Lft		F	Wood	white	-0.1	QM

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SEQUENTIAL REPORT OF LEAD PAINT INSPECTION FOR:

Read No.	Rm No.	Room Name	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mod
40	007	Kitchen	D	Window	Lft	Sash	F	Wood	white	0.2	QM
41	007	Kitchen	D	Ceiling	Lft		I	Wood	white	-0.2	QM
42	008	Washroom	C	Wall	Lft		I	Wood	white	0.1	QM
43	008	Washroom	B	Window	Lft	Sash	F	Wood	white	0.0	QM
44	008	Washroom	B	Window	Lft	Rgt casing	F	Wood	white	0.0	QM
45	010	Bedroom	D	Door	Lft	U Rgt	F	Wood	white	0.0	QM
46	010	Bedroom	D	Door	Lft	Lft casing	F	Wood	white	-0.2	QM
47	010	Bedroom	B	Wall	Lft		F	Wood	white	-0.1	QM
48	010	Bedroom	B	Window	Lft	Sash	F	Wood	white	-0.1	QM
49	010	Bedroom	D	Window	Lft	Sash	F	Wood	white	-0.2	QM
50	010	Bedroom	B	Door	Lft	U Rgt	F	Wood	white	0.4	QM
51	010	Bedroom	B	Wall	Lft		F	Wood	white	0.0	QM
52	011	Bathroom	B	Wall	Lft		F	Wood	white	0.0	QM
53	011	Bathroom	B	Door	Lft	U Rgt	F	Wood	white	0.1	QM
54	011	Bathroom	B	Door	Lft	Lft casing	F	Wood	white	-0.1	QM
55	011	Bathroom	B	Sink	Lft		F	Steel	white	4.0	QM
56	011	Bathroom	B	Sink	Lft		F	Steel	white	6.4	QM
57	011	Bathroom	A	Wall	Lft		F	Wood	white	0.0	QM
58		CALIBRATION								0.7	TC
59		CALIBRATION								0.5	TC
60		CALIBRATION								0.7	TC

---- End of Readings ----

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Appendix 2
XRF Summary Results

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SUMMARY REPORT OF LEAD PAINT INSPECTION FOR:

Inspection Date:	11/09/11
Report Date:	11/9/2011
Abatement Level:	1.0
Report No.	11/09/11 11:00
Total Readings:	60 Actionable: 3
Job Started:	11/09/11 11:00
Job Finished:	11/09/11 11:37

Reading No	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mod
Interior Room 005 Dining Rm									
021	A	Window	Lft	Sash	P	Wood	white	2.1	QM
Interior Room 011 Bathroom									
055	B	Sink	Lft		F	Steel	white	4.0	QM
056	B	Sink	Lft		P	Steel	white	6.4	QM

---- End of Readings ----

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Appendix 3
XRF Distribution Report

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DETAILED REPORT OF LEAD PAINT INSPECTION FOR:

Inspection Date: 11/09/11
Report Date: 11/9/2011
Abatement Level: 1.0
Report No. 11/09/11 11:00
Total Readings: 60
Job Started: 11/09/11 11:00
Job Finished: 11/09/11 11:37

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mod
Interior Room 001 Exterior									
006	A	Wall	Lft		P	Wood	Brown	0.1	QM
007	A	Window	Lft	Sash	P	Wood	Brown	0.3	QM
008	A	Window	Lft	Sill	P	Wood	Brown	0.2	QM
005	A	Door	Lft	Rgt casing	F	Wood	Brown	0.0	QM
004	A	Door	Lft	U Rgt	F	Wood	Brown	0.1	QM
Interior Room 002 Number Only									
010	B	Wall	Lft		F	Wood	Brown	0.2	QM
012	B	Window	Lft	Rgt casing	F	Wood	Brown	0.2	QM
011	B	Window	Lft	Sash	F	Wood	Brown	-0.1	QM
009	B	Door	Lft	U Rgt	F	Wood	Brown	0.1	QM
Interior Room 003 Number Only									
013	C	Wall	Lft		F	Wood	Brown	0.0	QM
Interior Room 004 Number Only									
014	D	Wall	Lft		F	Wood	Brown	0.1	QM
016	D	Window	Lft	Rgt casing	P	Wood	Brown	0.2	QM
015	D	Window	Lft	Sash	P	Wood	Brown	0.5	QM
017	D	Door	Lft	Header	P	Wood	Brown	0.0	QM
018	D	Door	Lft	Lft casing	P	Wood	Brown	0.0	QM
Interior Room 005 Dining Rm									
023	A	Wall	Lft		F	Wood	white	-0.1	QM
022	A	Floor	Lft		F	Wood	Grey	-0.1	QM
021	A	Window	Lft	Sash	F	Wood	white	2.1	QM
020	A	Door	Lft	Lft casing	F	Wood	white	-0.3	QM
019	A	Door	Lft	U Rgt	F	Wood	Brown	0.2	QM
024	B	Wall	Lft		F	Wood	white	-0.3	QM
025	C	Wall	Lft		F	Wood	white	0.0	QM
026	D	Wall	Lft		F	Wood	white	0.0	QM
Interior Room 006 Dining Rm									
030	A	Wall	Lft		F	Wood	white	0.0	QM
031	B	Wall	Lft		F	Wood	white	-0.2	QM
028	B	Door	Lft	Rgt casing	F	Wood	white	-0.2	QM
027	B	Door	Lft	U Rgt	F	Wood	white	0.0	QM
032	C	Wall	Lft		F	Wood	white	0.0	QM
029	C	Window	Lft	Sash	F	Wood	white	0.1	QM
033	D	Wall	Lft		F	Wood	white	0.0	QM
035	D	Floor	Lft		F	Wood	Grey	-0.1	QM

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DISTRIBUTION REPORT OF LEAD PAINT INSPECTION FOR:

Inspection Date: 11/09/11
Report Date: 11/9/2011
Abatement Level: 1.0
Report No. 11/09/11 11:00
Total Reading Sets: 54
Job Started: 11/09/11 11:00
Job Finished: 11/09/11 11:37

Structure	Total	Structure Distribution Positive	Negative	Inconclusiv
Ceiling	2	0 <0%>	2 <100%>	0 <0%
Door Header	1	0 <0%>	1 <100%>	0 <0%
Door Lft casing	4	0 <0%>	4 <100%>	0 <0%
Door Rgt casing	3	0 <0%>	3 <100%>	0 <0%
Door U Rgt	8	0 <0%>	8 <100%>	0 <0%
Floor	2	0 <0%>	2 <100%>	0 <0%
Sink	2	2 <100%>	0 <0%>	0 <0%
Wall	19	0 <0%>	19 <100%>	0 <0%
Window Rgt casing	3	0 <0%>	3 <100%>	0 <0%
Window Sash	9	1 <11%>	8 <89%>	0 <0%
Window Sill	1	0 <0%>	1 <100%>	0 <0%
Inspection Totals:	54	3 < 6%>	51 < 94%>	0 < 0%

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Appendix 4
Example Room & Component Diagrams

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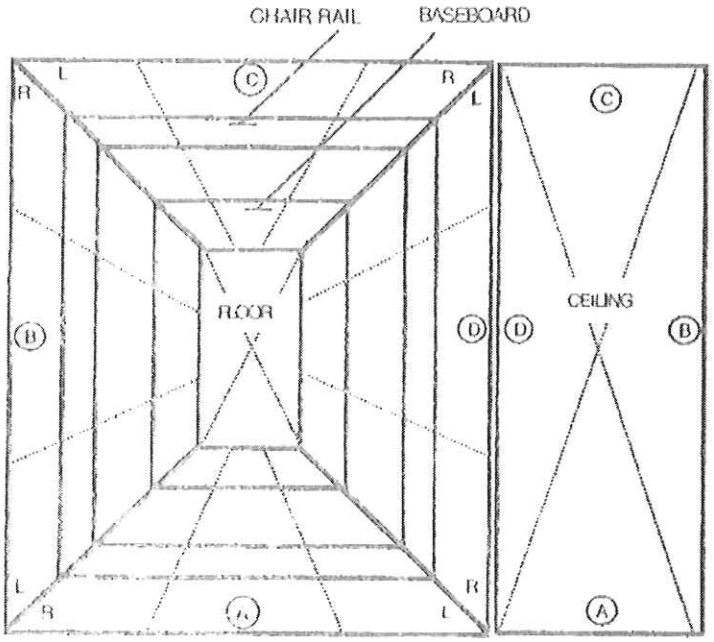

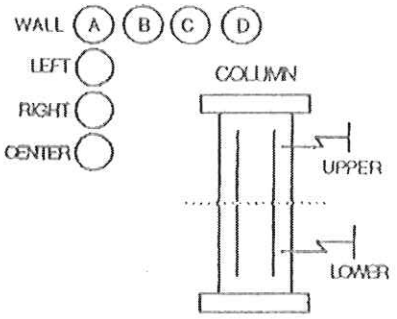

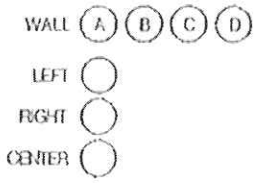

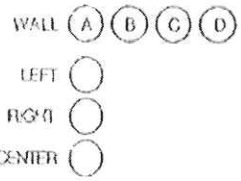

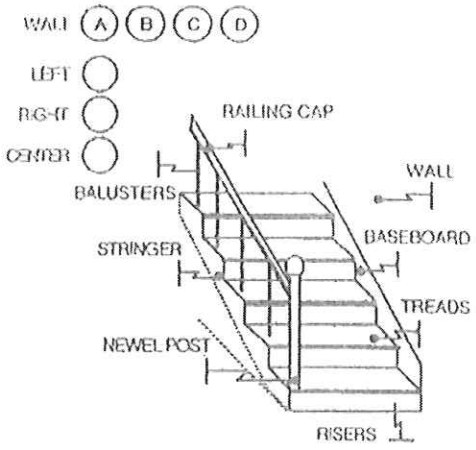

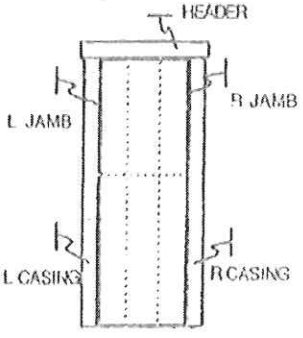

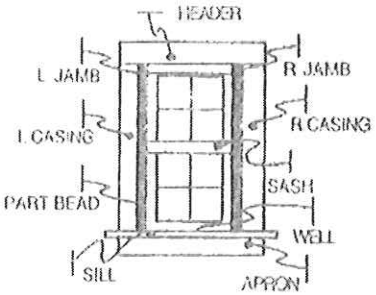

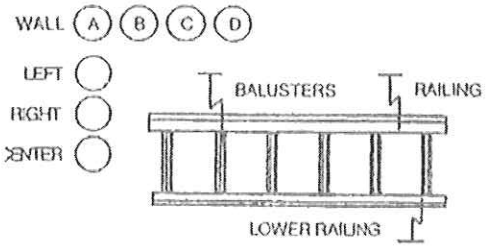

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Appendix 5
License / Certification

Post Office Box 13533
Sissonville, West Virginia 25360

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WEST VIRGINIA

Lead Program

Robert A. Gerwig

IS LICENSED AS AN
LEAD INSPECTOR

License # PI000400
Issued 9/21/2011
Expires 9/30/2012

Randy C. Curtis Dir., WV RTIA DIV

Post Office Box 13533
Sissonville, West Virginia 25360

MANDATORY PRE-BID SIGN-IN ATTENDANCE SHEET

RFQ# : DNR 217130 **Bid Date** :
Project : Coney Island Piling Job II **Pre-Bid Date** : 4/12/12

Name : Chris Dozier
Company : Dunbill Construction Company
Address : P.O. Box 36
Comby Bridge, W.V. 25085

Phone # : 304-632-1000
Fax # : 304-632-1501
Email : cdozier33@yahoo.com

Name : Alstech Corp
Company : Denver Davis
Address : 3400 Falcon Dr
Charleston WV 25312

Phone # : 304-342-0545
Fax # : " " - 3972
Email : Alstech50@Hotmail.com

Name : Paramount Charlie Lucas
Company : Paramount Builders
Address : 501 6th AVE
St. Albans, WV 25177

Phone # : 304 727 2770
Fax # : 304 727-0302
Email : clucas@paramountwv.com

Name : Brenda Blower
Company : A.J. Smith, Inc. dba Capital Builders
Address : 4008 5th Street Rd
Huntington WV 25701

Phone # : (304) 697-5002
Fax # : (304) 697-5004
Email : bblower@capitalbuilders.us

Name : Max A Frazier
Company : MAF Const Serv.
Address : PO Box 465
South Hurst WV 25568

Phone # : 304 757 0880
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BID PROPOSAL

Name of Bidder

PROJECT: Cabwaylingo State Forest
Demolition and New Construction of Dining Hall
Wayne County, WV

We, the undersigned, having examined the site and being familiar with the local conditions affecting the cost of WORK and also being familiar with the general conditions to bidders, drawings and specifications, hereby propose to furnish all materials, equipment and labor to complete all WORK described in the Bidding Documents in a workmanlike manner.

Bid shall include all the necessary materials labor and equipment to complete all WORK as shown in the Bidding Documents prepared by Associated Architects, Inc.

BASE BID AMOUNT:

_____

_____($_____)
(Total to be written in figures and words.)

ALTERNATE #1 AMOUNT:

_____

_____($_____)
(Total to be written in figures and words.)

UNIT COST
Provide unit cost per yard to remove rock during excavation if encountered.

_____($_____)
(Total to be written in figures and words.)

The Bidder, if successful and awarded the CONTRACT, agrees that final completion of all WORK is to be completed in 180 calendar days from the date of execution of contract. For each calendar day of delay in achieving completion, the CONTRACTOR shall be liable for and shall pay the OWNER liquidated damages in the amount of $100.00 per day. Allowances may be made for delays due to shortages of materials, subject to proof by documentation, and also for delays due to strikes and other delays beyond the control of the CONTRACTOR. All delays and any claim for extension of the contract time must be properly documented in accordance with the CONTRACT DOCUMENTS.

Any WORK performed or any materials contracted for prior to the receipt of the OWNER'S written Notice to Proceed shall be at the Bidder's risk.

Upon receipt of the OWNER'S written notice of acceptance of this bid, the Bidder agrees that he shall execute and deliver the CONTRACT along with insurance certificates as set forth in the bidding Document to the OWNER within 10 consecutive calendar days, or the Bidder shall forfeit the security deposited with this bid.

PROGRESS PAYMENTS

The CONTRACTOR will make current estimates in writing once each month on AIA Forms G702 and G703 on or before the date set by the OWNER at the time of starting WORK. The progress payments shall be a true estimate of the materials complete in place and the amount of WORK performed in accordance with the CONTRACT during the preceding month and the value thereof figured at the CONTRACT unit prices or based on the approved schedule of values. Should there be any doubt of the OWNER as to the integrity of any part of the completed WORK, the estimates for that portion will not be allowed modified by the CONTRACTOR accordingly. CONTRACTOR shall submit evidence to document the extent of progress payments as required by the OWNER.

When the WORK under contract has been completed and its acceptance is recommended by the OWNER, the retainage shall be released and paid to the CONTRACTOR.