



**ROANOKE CITY
PUBLIC SCHOOLS**

Strong Students. Strong Schools. Strong City.

Purchasing Department
P.O. Box 13145 • Roanoke, VA 24031
PHONE (540) 853-1348
FAX (540) 853-2836

March 31, 2023

**IFB 3103
JOHN P. FISHWICK MIDDLE SCHOOL ROOF REPLACEMENT**

Addendum #1

This addendum provides answers to questions received from contractors as of March 28, 2023, minor clarifications based on discussions during the Prebid meeting, as well as a copy of the Asbestos Survey.

Questions & Answers:

Q1- Per the spec section below:

F. Attached Insulation: Install each layer of insulation and secure to deck using adhesive or fasteners specifically designed and sized for fastening specified board-type roof insulation to deck type indicated. Use foam adhesive over any areas of concrete roof deck. Screw fasteners may be used elsewhere where rooms below have lay-in ceilings.

1. Fasten insulation according to the insulation and roofing system manufacturers' written instructions to meet specified wind-uplift requirements.

Are fasteners only to be used in areas where lay-in ceilings are?

A1 – The intention for roof areas K & N is for the roofing system layers to be attached using adhesives and not mechanically fastened to the deck. Mechanical fastening of base insulation to the tectum deck of roof area K is at the contractor's option and methods will be reviewed and approved during the submittal process. Fasteners are acceptable where required by the manufacturer to achieve the design wind uplift resistance particularly in the overlay areas where adhesive attachment of new insulation to existing roofing system is not feasible. Overlay areas generally occur where there are ceilings.

Q2 - A-102 Detail #2 and #4 show horizontal termination. This is not acceptable for a 30yr warranty by the manufacturer, additional detail information is required.

A2 – For the Base Bid TPO-30, details #2 & #4 should be revised to include an edge metal termination such as “Carlisle Secure edge” or similar on the outside of the precast stone coping as necessary to achieve a 30-year warranty.

Q3 - Additional information is required for the existing skylight framing. They are only replacing the glazing (polycarbonate) infill but there's a lot of required performance info that is contingent upon what the existing skylight framing but it does not tell me what the existing framing system is, let alone what performance that existing skylight system is designed.

A3 – We have no additional information regarding the existing skylight construction. A structural engineer reviewed the existing conditions and developed specification section 05310 Steel Decking for add alternate #2 using the existing structure. Contractors should assume the existing skylight and structure meet the performance requirements detailed in specification section 08450 and bid replacement under add alternate #1 accordingly. Please review specification section 08450-5 paragraph 2.3 A, B, & C carefully. Any deficiency in the existing construction that precludes conformance with the specification requirements will be handled after award by change order.

Q4 - In the construction documents for Fishwick, in Section 02070 - Selective Demolition paragraph 1.4B Asbestos, it says:
“Areas of known asbestos-containing materials are shown in the Asbestos survey.”
I can't find that survey in the documents online or otherwise, could you direct me as to where I can find it.

A4 – The asbestos survey was not included with the solicitation. It is attached to this addendum. There is no known asbestos in the roofing system.

CLARIFICATIONS:

1. Roof Area K is over a gymnasium and part of roof area G is over a stage (Where the RTUs are located). Neither of these areas has a ceiling. The contractor will be responsible for protection of the floor and interior and any clean up resulting from roof tear off and installation.
2. Contractors should include in base bids all costs necessary for raising the RTUs on the plan North side of roof area G to achieve minimum flashing heights.
3. Reference specification section 07535-4 2.1 Manufacturers – Acknowledging that Firestone Building Products Company is now Holcim. The Elevate line of roofing materials is approved for use on this project.
4. Reference specification section 01030-2 3.1 B – TPO roof thickness for this bid alternate to match the base bid warranty/ thickness. Please provide pricing for both a 60 mil and 80 mil thickness installation.

SCHNEIDER LABORATORIES

INCORPORATED

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • (FAX) 804-359-1475

Excellence in Service and Technology

AIHA/ELLAP 100527, NVLAP 101150-0, NYELAP/NELAC 11413, CAELAP 2078, NC 593, SC 93003

LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method¹ 600/M4/82/020

Using SLI A6

ACCOUNT #: 850-09-161
CLIENT: TREMCO SERVICE CORPORATION
ADDRESS: 14306 LONG GATE RD
MIDLOTHIAN, VA 23112

DATE COLLECTED: 2/9/2009
DATE RECEIVED: 2/23/2009
DATE ANALYZED: 2/24/2009
DATE REPORTED: 2/24/2009

PROJECT NAME: Stone Wall Jackson M

JOB LOCATION: Roanoke Va

PROJECT NO.:

PO NO.:

SampleType: BULK

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
RS-1	30076855	Roof Cafateria		
Layer 1:	Roofing Material Black, Rubbery/Fibrous		None Detected	20% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 65% NON FIBROUS MATERIAL
FS-1	30076856	Flash Cafateria		
Layer 1:	Flashing Black/Tan, Rubbery/Soft		None Detected	5% CELLULOSE FIBER 95% NON FIBROUS MATERIAL
RS-2	30076857	Roof Admin Office		
Layer 1:	Roofing Material Black/Yellow, Rubbery/Soft		None Detected	15% MINERAL/GLASS WOOL 85% NON FIBROUS MATERIAL
FS-2	30076858	Flash Admin Office		
Layer 1:	Flashing Black/Beige, Rubbery/Soft		None Detected	5% CELLULOSE FIBER 95% NON FIBROUS MATERIAL
RS-3	30076859	Roof Elevator A		
Layer 1:	Roofing Material Black/Beige, Rubbery/Fibrous		None Detected	20% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 65% NON FIBROUS MATERIAL

Total Number of Pages in Report: 4

Results relate only to samples as received by the laboratory.

Visit www.slabin.com for current certifications.

Samples analyzed by the EPA Test Method are subject to the limitations of light microscopy including matrix interference. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. This method has a reporting limit of 1% or greater. Visual estimation contains an inherent range of uncertainty. This report must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other gov't agency endorsement.

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
RS-4	30076860	Roof Boiler Room		
Layer 1:	Roofing Material Black, Rubbery/Fibrous		None Detected	15% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 70% NON FIBROUS MATERIAL
RS-5	30076861	Roof Canopy B		
Layer 1:	Roofing Material Black, Rubbery/Fibrous		None Detected	10% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 75% NON FIBROUS MATERIAL
FS-5	30076862	Flash Canopy B		
Layer 1:	Flashing Black, Rubbery		None Detected	100% NON FIBROUS MATERIAL
RS-6	30076863	Roof Stairwell		
Layer 1:	Roofing Material Black, Rubbery/Fibrous		None Detected	10% CELLULOSE FIBER 12% MINERAL/GLASS WOOL 78% NON FIBROUS MATERIAL
FS-6	30076864	Flash Stairwell		
Layer 1:	Flashing Black/Yellow, Rubbery/Soft		None Detected	3% CELLULOSE FIBER 97% NON FIBROUS MATERIAL
RS-7	30076865	Roof Front Canopy A		
Layer 1:	Roofing Material Black, Rubbery/Fibrous		None Detected	12% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 78% NON FIBROUS MATERIAL
FS-7	30076866	Flash Front Canopy A		
Layer 1:	Flashing Black, Rubbery		None Detected	100% NON FIBROUS MATERIAL
RS-8	30076867	Roof Class Room B		
Layer 1:	Roofing Material Black/White, Rubbery/Granular		None Detected	6% CELLULOSE FIBER 94% NON FIBROUS MATERIAL
RS-8A	30076868	Roof Class Room B		
Layer 1:	Roofing Material Black, Rubbery		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 4

Results relate only to samples as received by the laboratory.

Visit www.slabin.com for current certifications.

Samples analyzed by the EPA Test Method are subject to the limitations of light microscopy including matrix interference. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. This method has a reporting limit of 1% or greater. Visual estimation contains an inherent range of uncertainty. This report must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other gov't agency endorsement.

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
FS-8	30076869	Flash Class Room A		
Layer 1:	Flashing Black, Rubbery		None Detected	100% NON FIBROUS MATERIAL
RS-9	30076870	Roof Class Room A		
Layer 1:	Roofing Material Black/Yellow, Rubbery/Soft		None Detected	2% CELLULOSE FIBER 98% NON FIBROUS MATERIAL
FS-9	30076871	Flash Class Room A		
Layer 1:	Flashing Black, Rubbery/Fibrous		None Detected	10% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 75% NON FIBROUS MATERIAL
RS-10	30076872	Roof Fitness		
Layer 1:	Roofing Material Black/Beige, Rubbery/Fibrous		None Detected	20% MINERAL/GLASS WOOL 80% NON FIBROUS MATERIAL
FS-10	30076873	Flash Fitness		
Layer 1:	Flashing Black/Beige, Rubbery/Soft		None Detected	3% CELLULOSE FIBER 97% NON FIBROUS MATERIAL
RS-11	30076874	Roof Loading		
Layer 1:	Roofing Material Black/Beige, Rubbery/Fibrous		None Detected	25% CELLULOSE FIBER 75% NON FIBROUS MATERIAL
RS-11B	30076875	Roof Loading		
Layer 1:	Roofing Material Black, Rubbery		None Detected	100% NON FIBROUS MATERIAL
FS-11	30076876	Flash Loading		
Layer 1:	Flashing Black/Beige, Rubbery/Soft		None Detected	12% CELLULOSE FIBER 88% NON FIBROUS MATERIAL
RS-12	30076877	Roof Gym		
Layer 1:	Roofing Material Black/White, Rubbery/Granular		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL

Total Number of Pages in Report: 4

Results relate only to samples as received by the laboratory.

Visit www.slabin.com for current certifications.

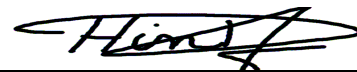
Samples analyzed by the EPA Test Method are subject to the limitations of light microscopy including matrix interference. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. This method has a reporting limit of 1% or greater. Visual estimation contains an inherent range of uncertainty. This report must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other gov't agency endorsement.

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
RS-12B	30076878	Bottom Roof Gym		
Layer 1:	Roofing Material Black, Bituminous		None Detected	3% CELLULOSE FIBER 97% NON FIBROUS MATERIAL
FS-12	30076879	Flash Gym		
Layer 1:	Flashing Black, Rubbery		None Detected	100% NON FIBROUS MATERIAL



Analyst:

HALA A. OSMAN



Reviewed By:

Hind Eldanaf, Team Leader

Total Number of Pages in Report: 4

Results relate only to samples as received by the laboratory.

Visit www.slabin.com for current certifications.

Samples analyzed by the EPA Test Method are subject to the limitations of light microscopy including matrix interference. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. This method has a reporting limit of 1% or greater. Visual estimation contains an inherent range of uncertainty. This report must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other gov't agency endorsement.