

**INVITATION TO BID
LUCILLE W GORHAM INTERGENERATIONAL CENTER
ROOF REPLACEMENT
CITY OF GREENVILLE
NORTH CAROLINA**



Find yourself in good company

**PRE-BID MEETING: THURSDAY, NOVEMBER 3, 2016 @ 10:00 AM
LUCILLE W GORHAM INTERGENERATIONAL CENTER
1100 WARD STREET, GREENVILLE, NC**

**BID-RECEIVED: THURSDAY, NOVEMBER 17, 2016 @ 2:00 PM
PUBLIC WORKS ADMINISTRATION BUILDING
1500 Beatty Street, Greenville, NC**

CONTACT PERSONS:

QUESTIONS REGARDING THE BID PACKAGE:

*Ms. Denisha Harris
Purchasing Manager
Telephone: (252) 329-4862
Fax: (252) 329-4464
Email: dharris@greenvillenc.gov*

QUESTIONS REGARDING THE SPECIFICATIONS:

*Mr. Ross Peterson
Building Facilities Coordinator
Telephone: (252) 329-4921
Fax: (252) 329-4844
Email: rpeterson@greenvillenc.gov*

CITY OF GREENVILLE
ADVERTISEMENT FOR PROPOSALS
“Lucille W Gorham Intergenerational Center Roof Replacement”

The City of Greenville, NC is requesting proposals for the replacement of the “Lucille W Gorham Intergenerational Center Roof” located at 1100 Ward Street, Greenville, NC. The scope of work shall include but is not limited to the disposal of demolition debris, installation of a black 60 mil EPDM roofing system, and accessories.

This is a turn-key project.

A pre-bid meeting and site visit shall be held at the Lucille W Gorham Intergenerational Center at 1100 Ward Street, Greenville, NC, Thursday, November 3, 2016 @ 10:00 AM. A site visit is mandatory to be eligible to submit a bid.

Pursuant to General Statutes of North Carolina, section 143-129/131 as amended, sealed proposals shall be received by the City of Greenville until Thursday, November 10, 2016 @ 2:00 PM at the Public Works Reception Desk located at 1500 Beatty Street, Greenville, NC 27834.

Mailed bids must be delivered to 1500 Beatty Street, Greenville, NC 27834 on or before Thursday, November 17, 2016 @ 2:00 PM and addressed to Mr. Ross Peterson, Building Facilities Coordinator, with the words *Bid Enclosed, Lucille W Gorham Intergenerational Center Roof Replacement* on the outside of the mail carrier envelope.

All bids shall be marked with the date and time they are received by reception staff. This is an informal bid therefor bids will not be read aloud. Bids will be opened, evaluated and a bid tabulation will be available upon request once the contract is awarded and signed by the successful bidder.

The City of Greenville reserves the right to reject any or all bids, waive any informality and award contracts that appear to be in its best interest. The right is reserved to hold any or all proposals for a period of sixty (60) days from the bid opening thereof.

From the date of this advertisement until the date of opening the proposals, the plans and specifications of the proposed work and/or a complete description of the apparatus, supplies, materials or equipment are and will continue to be on file in the office of the City of Greenville Public Works Building Facilities Coordinator, 101 Hooker Road, Greenville, NC 27834, during regular business hours, and available to prospective bidders. Inquiries should be directed to the Building Facilities Coordinator at the above address --- Telephone (252) 329-4921, Email rpeterson@greenvillenc.gov. Minority/Women owned business are encouraged to submit proposals.

Ross Peterson, Building Facilities Coordinator
City of Greenville
101 Hooker Road
Greenville, NC 27834

INSTRUCTIONS TO BIDDERS

1. Contractor is to provide verification to the City that the company's employees are covered under worker's compensation insurance coverage.
2. It is expressly understood by the contractor offering a proposal after a written notice of award by the City, a written contract shall be required to be executed and shall serve together with this proposal, these instructions, and any detailed specifications as the entire form of contract between the parties.
3. Each Contractor submitting a proposal is affirming that no official or employee of the City is directly or indirectly interested in this proposal for any reason of personal gain.
4. Sales taxes may be listed on the proposal, but as a separate item. No charge shall be allowed for Federal Excise and Transportation Tax from which the City is exempt.
5. If the Contractor is unable to provide a proposal for any reason, please send a letter of explanation.
5. Questions regarding any procedure for submission of a proposal shall be directed by email to Ross Peterson, Building Facilities Coordinator, at rpeterson@greenvillenc.gov. The last date to submit questions shall be Wednesday, November 9, 2016 by 2:00 PM.
6. All answers to questions will be provided by 5:00 PM Friday, November 11, 2016
7. By submitting a proposal for the LUCILLE W GORHAM INTERGENERATIONAL CENTER ROOF REPLACEMENT, the Contractor attests that it is in compliance with all items listed in the bid/proposal instructions and attests that the City of Greenville accepts no responsibility for any injuries to the firm's employees, while on City property performing their duties.
8. Contractor must comply with all OSHA requirements associated with the work within this contract.
9. Contractor must procure and post required roofing permit prior to the commencement of work. All city permits is at \$0.00 cost to contractor.
10. Contractor must provide, place and maintain sanitary services on site prior to the commencement of work.
11. No work shall be performed at any time without proper supervision. Names and experience of supervisors shall be provided.
12. All work must be performed Monday – Saturday during approved hours. Hours of operation shall be 7:00 AM to 7:00 PM.
13. All daily operations, activities, traffic flow, ingress and egress of all doors must not be hindered.
14. The Contractor shall accompany a designated representative(s) of the City on inspections of work at any time during the contract period. The City reserves the right to make determinations as to whether service is performed satisfactorily. Deficiencies in work performance must be corrected immediately.

**CITY OF GREENVILLE
PUBLIC WORKS DEPARTMENT
SPECIFICATIONS FOR
“Lucille W Gorham Intergenerational Center Roof Replacement”**

1.0 SCOPE:

The scope of work must include, but is not limited to:

- 1.1 Demolish and remove existing material as needed. Provide dumpsters for proper disposal of all materials. Provide daily site cleaning and daily water tightening.**
- 1.2 Furnish and install 60 mil EPDM roof system to include but not limited to the preparation of roofing substrates, tapered insulation to meet the current energy code requirement, 20 year complete assembly and labor warranty, and other roofing related items as specified. Refer to “Exhibit B” for the specifications for the work required to complete the roofing system.**
- 1.3 Provide and install roof drains and down spouts.**
- 1.4 A copy of the Environmental Assessment report has been provided as Exhibit “C”.**

2.0 PAYMENT AND BID:

- 2.1 Bidders shall comply with all local, state, and federal laws and ordinances governing said work including the Occupational Safety and Health Act of 1970.**
- 2.2 By submitting a proposal, the firm is attesting that they are an Equal Opportunity Employer.**
- 2.3 The City of Greenville has adopted an Affirmative Action Program. Firms submitting a proposal are attesting that they also have taken affirmative action to ensure equality of opportunity in all aspects of employment.**
- 2.4 Minority and/or Women Business Enterprise (M/WBE) Program**

Questions regarding the City’s M/WBE Program should be directed to Denisha Harris in the M/WBE Office at (252) 329-4862.

- 2.5 The City of Greenville reserves the right to reject any and all bids, to waive any informalities and to accept the bid if seems most advantages to the City. Any bid submitted shall be binding for sixty (60) days after the date of the bid opening.**

2.6 Equal Employment Opportunity Clause

The City has adopted an Equal Employment Opportunity Clause, which is incorporated into all specifications, purchase orders, and contracts, whereby a vendor agrees not to discriminate against any employee or applicant for employment on the basis of race, color, religion, sex, national origin or ancestry. A copy of this clause may be obtained at the City Clerk’s Office, City Hall, Greenville, NC. By submitting qualifications and/or proposals, the firm is attesting that they are an Equal Opportunity Employer. Federal law (Rehabilitation Act and ADA) prohibits handicapped discrimination by all governmental units. By submitting a proposal, the vendor is attesting to its policy of nondiscrimination regarding the handicapped.

- 2.7 The contractor shall develop a lump sum bid; that shall include, but is not limited to all work, equipment, parts, and labor specified herein.

3.0 WORKERS COMPENSATION AND INSURANCE:

- 3.1 The contractor must maintain during the life of this contract, Worker's Compensation Insurance for all employees working at the project site under this contract, or as otherwise required by North Carolina General Statutes.
- 3.2 The Contractor shall have in place for the life of this contract public liability and property damage insurance and shall protect the City of Greenville from claims for damage or personal injury, which may arise from operations under this contract. The amounts of such insurance shall not be less than \$500,000 for injuries subject to the same limit per person and \$1,000,000 for property damage or otherwise needed to protect the interests of the owner. The Contractor awarded this contract is to provide a Certificate of Insurance showing the City of Greenville named as an additionally insured on all coverage. All insurance must be maintained during the duration of the contract.

3.3 OTHER INSURANCE:

The contractor shall furnish such additional insurance as may be required by the General Statutes of North Carolina, including motor vehicle insurance in amounts not less than statutory limits. The Contractor shall be required to purchase a City of Greenville privilege license from the Collections Division. The Collections Division is located on the first floor of City Hall at 200 W. Fifth Street.

4.0 CANCELLATION:

- 4.1 Each certificate of insurance shall bear the provision that the policy cannot be altered or canceled in less than ten (10) days after mailing written notice to the assured of such alteration or cancellation, sent registered mail.
- 4.2 The contractor shall furnish the owner with satisfactory proof of insurance required before written approval of such insurance is granted by the owner. Executed contract documents, insurance certifications, invoices and other information requested, are to be sent to:

*Ross Peterson, Building Facilities Coordinator
City of Greenville
1500 Beatty Street
Greenville, N.C. 27834
Email: rpeterson@greenvillenc.gov*

5.0 DAMAGE TO CONTRACTORS PROPERTY:

- 5.1 The City of Greenville shall be under no obligation to replace or in any way compensate the contractor for fire, theft, vandalism or any other casualty, injury or damage to equipment or property belonging to the contractor while on City property.
- 5.2 The successful bidder agrees to indemnify or hold harmless the City of Greenville from and against any liability, loss, cost, damage suit, claim, or expense arising occurrence on the part of the successful bidder to include its officers, servants, agents or employees arising from its activities, operations, and performance of services while on City property and further agrees

to release and discharge the City of Greenville and its Agents from all claims or liabilities arising from or caused by the successful bidder in fulfilling its obligations under this Agreement.

- 5.3 It is understood and agreed by the parties that the City of Greenville shall assume no liability for damages, injury, or other loss to the successful bidder, its employees or property, tools or equipment, or to other persons or properties located on City facilities resulting from the successful bidder's activities and operations while performing those service enumerated herein. The successful bidder shall assume full and complete liability for any and all damages on City or private properties caused by or resulting from its activities, operations, and that of its employees, agents and officers.

6.0 ADDENDUM

- 6.1 **Addendum:** Any changes to the specifications shall be issued as a written addendum. No oral statements, explanations, or commitments by whosoever shall be of any effect.
- 6.2 **Amendment:** The contract may be amended from time to time through written agreement by both parties.

7.0 E-VERIFY

- 7.1 The Contractor shall comply with the requirements of Article 2 of Chapter 64 of the North Carolina General Statutes. Further, if the Contractor utilizes a Subcontractor, the Contractor shall require the Subcontractor to comply with the requirements of Article 2 of Chapter 64 of the North Carolina General Statutes. The Contractor represents that the Contractor and its Subcontractors are in compliance with the requirements of Article 2 of Chapter 64 of the North Carolina General Statutes.
- 7.2 **BIDDER** acknowledges that compliance with the requirements of Article 2 of Chapter 64 of the North Carolina General Statutes is required by the Contractor and its Subcontractors by North Carolina law and the provisions of the Contract Documents. The **BIDDER** represents that the **BIDDER** and its Subcontractors are in compliance with the requirements of Article 2 of Chapter 64 of the North Carolina General Statutes. Article 2 of Chapter 64 of the North Carolina General Statutes requires employers, that transact business in the State of North Carolina and employ 25 or more employees in the State of North Carolina, to electronically verify the legal employment status of an employee through the federal E-Verify program after hiring the employee to work in the State of North Carolina.
- 7.3 All firms submitting bids are required to complete the Affidavit form included in Exhibit "D".

8.0 LOCAL PREFERENCE POLICY

- 8.1 The City of Greenville has adopted a Local Preference Policy, Resolution No. 056-13, and a Professional and other Services Policy, Resolution No. 057-13 that shall pertain to this project. For more information, please see the City of Greenville's webpage at www.greenvillenc.gov/financialservices/purchasingdivision.

9.0 IRAN DIVESTMENT ACT

9.1 Vendor certifies that; (i) it is not on the Iran Final Divestment List created by the North Carolina State Treasurer pursuant to N.C.G.S. 143-86.58; (ii) it will not take any actions causing it to appear on said list during the terms of this Purchase Order, and (iii) it will not utilize any subcontractor to provide goods and services hereunder that is identified on said list.

9.2 All firms that are submitting a bid are required to complete the Iran Divestment Act Certification form included in Exhibit "E" and shall be included with the bid package. Failure to include the form may deem the bid unresponsive.

10.0 REFERENCE INFORMATION

All bidders must provide a list of three (3) client references of similar work. The reference information must include the company's name, a contact person's name with his or her title and their telephone number. Contractor must provide the information below with their bid sheet. Contractor must be experienced in projects of similar construction.

- 1. **Company name:** _____
Contact person: _____
Title: _____ **Phone No.** _____
- 2. **Company name:** _____
Contact person: _____
Title: _____ **Phone No.** _____
- 3. **Company name:** _____
Contact person: _____
Title: _____ **Phone No.** _____

11.0 CONTRACTOR INFORMATION

Contractor must provide the information below with the bid sheet.

**City of Greenville
NORTH CAROLINA
PROSPECTIVE CONTRACTOR DATA FORM**

Company Name: _____

Address: _____

Phone Number: _____ **Mobile Phone Number:** _____

Email: _____ **Business Fax Number:** _____

Tax ID# _____

NC General Contractors License# _____

Corporation or Partnership: _____

Number of Years in Business: _____

**CITY OF GREENVILLE
PUBLIC WORKS DEPARTMENT
REQUEST FOR BIDS**

In compliance with the request for bids by the City of Greenville and subject to all conditions and specifications thereof, the undersigned offers and agrees to furnish all equipment, labor and work site clean-up as provided in the above mentioned specifications.

Description

Lucille W Gorham Intergeneration Center Roof Replacement-EPDM roof system

Lump Sum Bid Total \$ _____

Bid reviewed, prepared and submitted by-

Company Name: _____

Signed: _____

Print Name: _____

Date: _____

CITY OF GREENVILLE
PUBLIC WORKS DEPARTMENT
SPECIFICATIONS FOR
“Lucille W Gorham Intergenerational Center Roof Replacement”

EPDM ADHERED ROOFING SYSTEM

PART 1 GENERAL

The project, the Lucille W Gorham Intergenerational Center Roof Replacement located at 1100 Ward Street in Greenville, NC, includes the provision of a complete EPDM adhered membrane roofing system.

1.01 SUMMARY

- A. Furnish and install elastomeric sheet roofing system, including:
 - 1. Roofing manufacturer's requirements for the specified warranty.
 - 2. Preparation of roofing substrates.
 - 3. Wood nailers for roofing attachment.
 - 4. Tapered Insulation.
 - 5. EPDM membrane roofing.
 - 6. Metal roof edging and copings.
 - 7. Flashings.
 - 8. Walkway pads.
 - 9. Other roofing-related items specified or indicated on the drawings or otherwise necessary to provide a complete weatherproof roofing system.
- B. Disposal of demolition debris and construction waste is the responsibility of Contractor. Perform disposal in manner complying with all applicable federal, state, and local regulations.
- C. Comply with the published recommendations and instructions of the roofing membrane manufacturer, at <http://manual.fsbp.com>.
- D. Commencement of work by the Contractor shall constitute acknowledgement by the Contractor that this specification can be satisfactorily executed, under the project conditions and with all necessary prerequisites for warranty acceptance by roofing membrane manufacturer.
- E. Furnish and install an OSHA approved fall arrest system and ground barricades, as needed, to insure that the work shall be performed safely.

1.02 RELATED SECTIONS

- A. Section 06 10 00 - Rough Carpentry: Wood nailers associated with roofing and roof insulation.
- B. Section 07 62 00 - Sheet Metal Flashing and Trim: Formed metal flashing and trim items associated with roofing.
- C. Section 07 72 00 - Roof Accessories: Roof hatches, vents, and manufactured curbs.
- D. Section 08 62 00 - Unit Skylights.
- E. Section 22 10 00 - Plumbing Piping and Roof Drains.

1.03 REFERENCES

- A. Referenced Standards: These standards form part of this specification only to the extent they are referenced as specification requirements.
 - 1. ASTM C 1289 - Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board; 2004.

2. ASTM D 3273 - Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber; 2000.
3. ASTM D 4637 - Standard Specification for EPDM Sheet used in Single-Ply Roof Membrane; 2004.
4. ASTM D 4811 - Standard Specification for Nonvulcanized (Uncured) Rubber Sheet Used as Roof Flashing; 2004.
5. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2005.
6. ASTM E 136 - Standard Test Method for Behavior of Materials in a Vertical Tube Furnace At 750 Degrees C; 2004.
7. FM 1-28 - Design Wind Loads; Factory Mutual System; 2002.
8. FM 1-29 - Roof Deck Securement and Above Deck Roof Components; Factory Mutual System; 2005.
9. FM 4470 - Approval Standard - Class I Roof Covers; 1986.
10. PS 1 - Construction and Industrial Plywood; 1995.
11. PS 20 - American Softwood Lumber Standard; 2005.
12. SPRI ES-1 - Wind Design Standard for Edge Systems Used with Low Slope Roofing Systems; 2003. (ANSI/SPRI ES-1).

1.04 SUBMITTALS

- A. Product Data:
 1. Provide membrane manufacturer's printed data sufficient to show that all components of roofing system, including insulation and fasteners, comply with the specified requirements and with the membrane manufacturer's requirements and recommendations for the system type specified; include data for each product used in conjunction with roofing membrane.
 2. Where UL or FM requirements are specified, provide documentation that shows that the roofing system to be installed is UL-Classified or FM-approved, as applicable; include data itemizing the components of the classified or approved system.
 3. Installation Instructions: Provide manufacturer's instructions to installer, marked up to show exactly how all components shall be installed; where instructions allow installation options, clearly indicate which option shall be used.
- B. Shop Drawings: Provide:
 1. The roof membrane manufacturer's standard details customized for this project for all relevant conditions, including flashings, base tie-ins, roof edges, terminations, expansion joints, penetrations, and drains.
- C. Pre-Installation Notice: Copy to show that manufacturer's required Pre Installation Notice (PIN) has been accepted and approved by the manufacturer.
- D. Executed Warranty as a requirement of project close-out.
- E. Specimen Warranty: Submit prior to starting work.
- F. Samples: Submit samples of each product to be used.

1.05 QUALITY ASSURANCE

- A. Applicator Qualifications: Roofing installer shall have the following:
 1. Current Firestone Master Contractor status.
 2. At least fifteen years-experience in installing specified system.
 3. Capability to provide payment and performance bond to building owner.
- B. Pre-Installation Conference: Before start of roofing work, Contractor shall hold a meeting to discuss the proper installation of materials and requirements to achieve the warranty.
 1. Require attendance with all parties directly influencing the quality of roofing work or affected by the performance of roofing work.
 2. Notify Ross Peterson, Buildings Facilities Coordinator, well in advance of meeting.

1.06 DELIVERY, STORAGE AND HANDLING

- A. Deliver products in manufacturer's original containers, dry and undamaged, with seals and labels intact and legible.
- B. Store materials clear of ground and moisture with weather protective covering.
- C. Keep combustible materials away from ignition sources.

1.07 WARRANTY

- A. Comply with all warranty procedures required by manufacturer, including notifications, scheduling, and inspections.
- B. Warranty: **20 year** Limited Warranty covering membrane, roof insulation, and membrane accessories.

Systems specified with warranty duration of 20 years or greater or wind speed coverage above 55 mph require additional attachment and detail considerations. Consult the manufacturer's design guidelines for further information.

- 1. Limit of Liability: No dollar limitation.
- 2. Scope of Coverage: Repair leaks in the roofing system caused by:
 - a. Ordinary wear and tear of the elements.
 - b. Manufacturing defect in Firestone brand materials.
 - c. Defective workmanship used to install these materials.
 - d. Damage due to winds up to 55 mph.
- 3. Not Covered:
 - a. Damage due to winds in excess of 55 mph.
 - b. Damage due to hurricanes or tornadoes.
 - c. Hail.
 - d. Intentional damage.
 - e. Unintentional damage due to normal rooftop inspections, maintenance, or service.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Acceptable Manufacturer - Roofing System: Firestone Building Products Co., Carmel, IN., or approved equal.
 - 1. Roofing systems manufactured by others may be acceptable provided the roofing system is completely equivalent in materials and warranty conditions and the manufacturer meets the following qualifications:
 - a. Specializing in manufacturing the roofing system to be provided.
 - b. Minimum ten years of experience manufacturing the roofing system to be provided.
 - c. Able to provide a no dollar limit, single source roof system warranty that is backed by corporate assets in excess of one billion dollars.
 - d. ISO 9002 certified.
 - e. Able to provide isocyanurate insulation that is produced in own facilities.
- B. Manufacturer of Insulation and Cover Board: Same manufacturer as roof membrane.
- C. Manufacturer of Metal Roof Edging: Same manufacturer as roof membrane.
 - 1. Metal roof edging products by other manufacturers are not acceptable.
 - 2. Field- or shop-fabricated metal roof edgings are not acceptable.

D. Roofing systems manufactured by the companies listed below are acceptable provided they are completely equivalent in materials and warranty conditions:

1. GenFlex Building Products
2. Carlisle Syntex

2.02 ROOFING SYSTEM DESCRIPTION

A. Roofing System:

1. Membrane: Ethylene propylene diene monomer (EPDM).
2. Thickness: As specified elsewhere.
3. Membrane Attachment: Fully adhered.
4. Comply with applicable local building code requirements.
5. Provide assembly having Underwriters Laboratories, Inc. (UL) Class A Fire Hazard Classification.
6. Provide assembly complying with Factory Mutual Corporation (FM) Roof Assembly Classification, FM DS 1-28 and 1-29, and meeting minimum requirements of FM 1-[60, 75, 90] wind uplift rating or other third party testing (i.e. Florida Building Code)

B. Tapered Insulation:

1. As required by the current Energy and Building Codes.
2. Maximum Board Thickness: ½”; use as many layers as necessary; stagger joints with existing adjacent layers.

Total Iso Insulation Thickness, nominal IN (mm)	System R-Value*
1.00 (25.4)	6.0
1.50 (38.1)	9.0
1.75 (44.5)	10.5
2.00 (50.8)	12.1
2.30 (58.4)	14.0
2.50 (63.5)	15.3
2.80 (71.1)	17.2
3.00 (76.2)	18.5
3.25 (82.6)	20.1
3.50 (88.9)	21.7
3.75 (95.3)	23.4
4.00 (101.6)	24.2

**Long Term Thermal Resistance (LTTR) values provide a 15-Year time weighted average in accordance with CAN/ULC –S770.*

3. Existing Base Layer: Polyisocyanurate foam board, non-composite.
 - a. Attachment: Loose laid
 - b. Remove and replace any wet/damaged insulation with like-kind and thickness

C. Cover Board: High Density Polyisocyanurate Cover Board:

1. Thickness: 0.5 inch (12.7mm).
2. R-Value: 2.5 based on ASTM tests C158 and C177.
 - a. Attachment: Mechanical fastening

2.03 EPDM MEMBRANE MATERIALS

A. Roofing and Flashing Membrane: Black cured synthetic single-ply membrane composed of ethylene propylene diene terpolymer (EPDM) with the following properties:

1. Thickness: 0.060 inch (1.5 mm).
2. Nominal Thickness Tolerance: Plus/minus 10 percent.
3. Sheet Width: Provide the widest available sheets to minimize field seaming.
4. Acceptable Product: RubberGard Non-Reinforced EPDM Membrane by Firestone or approved equal

- B. Membrane Fasteners: Type and size as required by roof membrane manufacturer for roofing system and warranty to be provided; use only fasteners furnished by roof membrane manufacturer.
- C. Flashing Membrane: Self-curing, non-reinforced membrane composed of nonvulcanized EPDM rubber, complying with ASTM D 4811 Type II, and with the following properties:
 - 1. Thickness: 0.055 inch (1.4 mm).
 - 2. Color: Same as field membrane
 - 2. Acceptable Product: RubberGard EPDM FormFlash by Firestone or approved equal.
- D. Self-Adhesive Flashing Membrane: Semi-cured 45 mil EPDM membrane laminated to 35 mil (0.9 mm) EPDM tape adhesive; QuickSeam Flashing by Firestone or approved equal
- E. Pre-Molded Pipe Flashings: EPDM, molded for quick adaptation to different sized pipes; Firestone EPDM Pipe Flashing or approved equal
- F. Self-Adhesive Lap Splice Tape: 35 mil (0.9 mm) EPDM-based, formulated for compatibility with EPDM membrane and high-solids primer; QuickSeam Splice Tape by Firestone or approved equal
- G. Splice Adhesive: Synthetic polymer-based, formulated for compatibility with EPDM membrane and metal surfaces; SA-1065 Splice Adhesive by Firestone or approved equal
- H. Bonding Adhesive: Neoprene-based, formulated for compatibility with EPDM membrane and wide variety of substrate materials, including masonry, wood, and insulation facings; Bonding Adhesive BA-2004 by Firestone or approved equal.
- I. Adhesive Primer: Synthetic rubber based primer formulated for compatibility with EPDM membrane and tape adhesive, with VOC content less than 2.1 lb/gal (250 g/L); QuickPrime Plus LVOC by Firestone or approved equal
- J. Seam Edge Treatment: EPDM rubber-based sealant, formulated for sealing exposed edges of membrane at seams; Lap Sealant HS by Firestone or approved equal.
- K. Pourable Sealer: Two-part polyurethane, two-color for reliable mixing; Pourable Sealer by Firestone or approved equal.
- L. Water Block Seal: Butyl rubber sealant for use between two surfaces, not exposed; Water Block Seal by Firestone or approved equal.
- M. Metal Plates and Strips Used for Fastening Membrane and Insulation: Steel with Galvalume coating; corrosion-resistance meeting FM 4470 criteria.
- N. Termination Bars: Aluminum bars with integral caulk ledge; 1.3 inches (33 mm) wide by 0.10 inch (2.5 mm) thick; Firestone Termination Bar by Firestone or approved equal.
- O. Roof Walkway Pads: EPDM, 0.30 inch (7.6 mm) thick by 30 by 30 inches (760 by 760 mm) with EPDM tape adhesive strips laminated to the bottom; QuickSeam Walkway Pads by Firestone or approved equal.

2.04 ROOF INSULATION AND COVER BOARDS

- A. Polyisocyanurate Board Insulation: Closed cell polyisocyanurate foam with black glass reinforced mat laminated to faces, complying with ASTM C 1289 Type II Class 1, with the following additional characteristics:
 - 1. Thickness: As indicated elsewhere.
 - 2. Size: 48 inches (1220 mm) by 96 inches (2440 mm), nominal.
 - a. Exception: Insulation to be attached using adhesive or asphalt may be no larger than 48 inches (1220 mm) by 48 inches (1220 mm), nominal.
 - 3. R-Value (LTTR): 1.0 inch (25 mm) Thickness: 6.0, minimum.
 - 4. Compressive Strength: 20 psi (138 kPa) when tested in accordance with ASTM C 1289.
 - 5. Ozone Depletion Potential: Zero; made without CFC or HCFC blowing agents.
 - 6. Recycled Content: 19 percent post-consumer and 15 percent post-industrial, average.
 - 7. Acceptable Product: ISO 95+ polyiso board insulation by Firestone or approved equal.
 - 8. Acceptable Product: Resista polyiso board insulation by Firestone or approved equal.

- B. High Density Polyisocyanurate Cover Board: Non-combustible, water resistant high density, closed cell polyisocyanurate core with coated glass mat facers, complying with ASTM D 1623, and with the following additional characteristics:
 - 1. Size: 48 inches (1220 mm) by 96 inches (2440 mm), nominal.
 - a. Exception: Board to be attached using adhesive or asphalt may be no larger than 48 inches (1220 mm) by 48 inches (1220 mm), nominal.
 - 2. Thickness: 0.5 inch (12.7mm).
 - 3. R-Value: 2.5 based on ASTM tests C158 and C177.
 - 4. Surface Water Absorption: <3%, maximum, when tested in accordance with ASTM C 209.
 - 5. Compressive Strength: 120psi, when tested in accordance with ASTM 1621.
 - 6. Density: 5pcf, when tested in accordance with ASTM 1622.
 - 7. Factory Mutual approved for use with FM 1-60 and 1-90 rated roofing assemblies.
 - 8. Mold Growth Resistance: Passed, when tested in accordance with ASTM D 3273.
 - 9. Acceptable Product: ISOGARD HD Cover Board by Firestone.
- C. Insulation Fasteners: Type and size as required by roof membrane manufacturer for roofing system and warranty to be provided; use only fasteners furnished by roof membrane manufacturer.
- D. Adhesive for Insulation Attachment: Type as required by roof membrane manufacturer for roofing system and warranty to be provided; use only adhesives furnished by roof membrane manufacturer.

2.05 METAL ACCESSORIES

- A. Metal Roof Edging and Fascia: Continuous metal edge member serving as termination of roof membrane and retainer for metal fascia; watertight with no exposed fasteners; mounted to roof edge nailer.
 - 1. Wind Performance:
 - a. Membrane Pull-Off Resistance: 100 lbs/ft (1460 N/m), minimum, when tested in accordance with ANSI/SPRI ES-1 Test Method RE-1, current edition.
 - b. Fascia Pull-Off Resistance: At least the minimum required when tested in accordance with ANSI/SPRI ES-1 Test Method RE-2, current edition.
 - c. Provide product listed in current Factory Mutual Research Corporation Approval Guide with at least FM 1-270 rating.
 - 2. Description: Two-piece; 45 degree sloped galvanized steel sheet edge member securing top and bottom edges of formed metal fascia; Firestone EdgeGard or approved equal.
 - 3. Fascia Face Height: 5 inches (127 mm).
 - 4. Edge Member Height Above Nailers: 1-1/4 inches (31 mm).
 - 5. Fascia Material and Finish: 24 gage, 0.024 inch (0.06 mm) galvanized steel with Kynar 500 finish in manufacturer's standard color; matching concealed joint splice plates; factory-installed protective plastic film.
 - 6. Length: 144 inches (3650 mm).
 - 7. Functional Characteristics: Fascia retainer supports while allowing for free thermal cycling of fascia.
 - 8. Aluminum Bar: Continuous 6063-T6 alloy aluminum extrusion with pre-punched slotted holes; miters welded; injection molded EPDM splices to allow thermal expansion.
 - 9. Anchor Bar Cleat: 20 gage, 0.036 inch (0.9 mm) G90 coated commercial type galvanized steel with pre-punched holes.
 - 10. Curved Applications: Factory modified.
 - 11. Fasteners: Factory-provided corrosion resistant fasteners, with drivers; no exposed fasteners permitted.
 - 12. Special Shaped Components: Provide factory-fabricated pieces necessary for complete installation, including miters, scuppers, and end caps; minimum 14 inch (355 mm) long legs on corner pieces.
 - 13. Scuppers: Welded watertight.

2.06 ACCESSORY MATERIALS

- A. Wood Nailers: PS 20 dimension lumber, Structural Grade No. 2 or better Southern Pine, Douglas Fir; or PS 1, APA Exterior Grade plywood; pressure preservative treated.
 - 1. Width: 3-1/2 inches (90 mm), nominal minimum, or as wide as the nailing flange of the roof accessory to be attached to it.
 - 2. Thickness: Same as thickness of roof insulation.

PART 3 INSTALLATION

3.01 GENERAL

- A. Install roofing, insulation, flashings, and accessories in accordance with roofing manufacturer's published instructions and recommendations for the specified roofing system. Where manufacturer provides no instructions or recommendations, follow good roofing practices and industry standards. Comply with federal, state, and local regulations.
- B. Obtain all relevant instructions and maintain copies at project site for duration of installation period.
- C. Do not start work until Pre-Installation Notice has been submitted to manufacturer as notification that this project requires a manufacturer's warranty.
- D. Perform work using competent and properly equipped personnel.
- E. Temporary closures, which ensure that moisture does not damage any completed section of the new roofing system, are the responsibility of the applicator. Completion of flashings, terminations, and temporary closures shall be completed as required to provide a watertight condition.
- F. Install roofing membrane only when surfaces are clean, dry, smooth and free of snow or ice; do not apply roofing membrane during inclement weather or when ambient conditions shall not allow proper application; consult manufacturer for recommended procedures during cold weather. Do not work with sealants and adhesives when material temperature is outside the range of 60 to 80 degrees F (15 to 25 degrees C).
- G. Protect adjacent construction, property, vehicles, and persons from damage related to roofing work; repair or restore damage caused by roofing work.
 - 1. Protect from spills and overspray from bitumen, adhesives, sealants and coatings.
 - 2. Particularly protect metal, glass, plastic, and painted surfaces from bitumen, adhesives, and sealants within the range of wind-borne overspray.
 - 3. Protect finished areas of the roofing system from roofing related work traffic and traffic by other trades.
- H. Until ready for use, keep materials in their original containers as labeled by the manufacturer.
- I. Consult membrane manufacturer's instructions, container labels, and Material Safety Data Sheets (MSDS) for specific safety instructions. Keep all adhesives, sealants, primers and cleaning materials away from all sources of ignition.

3.02 EXAMINATION

- A. Examine roof deck to determine that it is sufficiently rigid to support installers and their mechanical equipment and that deflection shall not strain or rupture roof components or deform deck.
- B. Verify that surfaces and site conditions are ready to receive work. Correct defects in the substrate before commencing with roofing work.
- C. Examine roof substrate to verify that it is properly sloped to drains.
- D. Verify that the specifications and drawing details are workable and not in conflict with the roofing manufacturer's recommendations and instructions; start of work constitutes acceptable of project conditions and requirements.

3.03 PREPARATION

- A. Take appropriate measures to ensure that fumes from adhesive solvents are not drawn into the building through air intakes.
- B. Prior to proceeding, prepare roof surface so that it is clean, dry, and smooth, and free of sharp edges, fins, roughened surfaces, loose or foreign materials, oil, grease and other materials that may damage the membrane.
- C. Fill all surface voids in the immediate substrate that are greater than 1/4 inch (6 mm) wide with fill material acceptable insulation to membrane manufacturer.
- D. Seal, grout, or tape deck joints, where needed, to prevent bitumen seepage into building.

3.04 INSULATION AND COVER BOARD INSTALLATION

- A. Install insulation in configuration and with attachment method(s) specified in PART 2, under Roofing System.
- B. Install only as much insulation as can be covered with the completed roofing system before the end of the day's work or before the onset of inclement weather.
- C. Lay roof insulation in courses parallel to roof edges.
- D. Neatly and tightly fit insulation to all penetrations, projections, and nailers, with gaps not greater than 1/4 inch (6 mm). Fill gaps greater than 1/4 inch (6 mm) with acceptable insulation. Do not leave the roofing membrane unsupported over a space greater than 1/4 inch (6 mm).
- E. Mechanical Fastening: Using specified fasteners and insulation plates engage fasteners through insulation into deck to depth and in pattern required by Factory Mutual for FM Class specified in PART 2 and membrane manufacturer, whichever is more stringent?
- F. Cold Adhesive Attachment: Apply in accordance with membrane manufacturer's instructions and recommendations; "walk-in" individual roof insulation boards to obtain maximum adhesive contact.

3.05 SINGLE-PLY MEMBRANE INSTALLATION

- A. Beginning at low point of roof, place membrane without stretching over substrate and allow to relax at least 30 minutes before attachment or splicing; in colder weather allow for longer relax time.
- B. Lay out the membrane pieces so that field and flashing splices are installed to shed water.
- C. Install membrane without wrinkles and without gaps or fishmouths in seams; bond and test seams and laps in accordance with membrane manufacturer's instructions and details.
- D. Install membrane adhered to the substrate, with edge securement as specified.
- E. Adhered Membrane: Bond membrane sheet to substrate using membrane manufacturer's recommended bonding material, application rate, and procedures.
- F. Edge Securement: Secure membrane at all locations where membrane terminates or goes through an angle change greater than 2 in 12 inches (1:6) using mechanically fastened reinforced perimeter fastening strips, plates, or metal edging as indicated or as recommended by roofing manufacturer.
 - 1. Exceptions: Round pipe penetrations less than 18 inches (460 mm) in diameter and square penetrations less than 4 inches (200 mm) square.
 - 2. Metal edging is not merely decorative; ensure anchorage of membrane as intended by roofing manufacturer.

3.06 FLASHING AND ACCESSORIES INSTALLATION

- A. Install flashings, including laps, splices, joints, bonding, adhesion, and attachment, as required by membrane manufacturer's recommendations and details.
- B. Metal Accessories: Install metal edgings, gravel stops, and copings in locations indicated on the drawings, with horizontal leg of edge member over membrane and flashing over metal onto membrane.
 - 1. Follow roofing manufacturer's instructions.
 - 2. Remove protective plastic surface film immediately before installation.
 - 3. Install water block sealant under the membrane anchorage leg.
 - 4. Flash with manufacturer's recommended flashing sheet unless otherwise indicated.
 - 5. Where single application of flashing shall not completely cover the metal flange, install additional piece of flashing to cover the metal edge.
 - 6. If the roof edge includes a gravel stop and sealant is not applied between the laps in the metal edging, install an additional piece of self-adhesive flashing membrane over the metal lap to the top of the gravel stop; apply seam edge treatment at the intersections of the two flashing sections.
 - 7. When the roof slope is greater than 1:12, apply seam edge treatment along the back edge of the flashing.
- C. Scuppers: Set in sealant and secure to structure; flash as recommended by manufacturer.
- D. Roofing Expansion Joints: Install as shown on drawings and as recommended by roofing manufacturer.

- E. Flashing at Walls, Curbs, and Other Vertical and Sloped Surfaces: Install weathertight flashing at all walls, curbs, parapets, curbs, skylights, and other vertical and sloped surfaces that the roofing membrane abuts to; extend flashing at least 8 inches (200 mm) high above membrane surface.
 - 1. Use the longest practical flashing pieces.
 - 2. Evaluate the substrate and overlay and adjust installation procedure in accordance with membrane manufacturer's recommendations.
 - 3. Complete the splice between flashing and the main roof sheet with specified splice adhesive before adhering flashing to the vertical surface.
 - 4. Provide termination directly to the vertical substrate as shown on roof drawings.
- F. Roof Drains:
 - 1. Taper insulation around drain to provide smooth transition from roof surface to drain. Use specified pre-manufactured tapered insulation with facer or suitable bonding surface to achieve slope; slope not to exceed manufacturer's recommendations.
 - 2. Position membrane, then cut a hole for roof drain to allow 1/2 to 3/4 inch (12 to 19 mm) of membrane to extend inside clamping ring past drain bolts.
 - 3. Make round holes in membrane to align with clamping bolts; do not cut membrane back to bolt holes.
 - 4. Apply sealant on top of drain bowl where clamping ring seats below the membrane
 - 5. Install roof drain clamping ring and clamping bolts; tighten clamping bolts to achieve constant compression.
- G. Flashing at Penetrations: Flash all penetrations passing through the membrane; make flashing seals directly to the penetration.
 - 1. Pipes, Round Supports, and Similar Items: Flash with specified pre-molded pipe flashings wherever practical; otherwise use specified self-curing elastomeric flashing.
 - 2. Pipe Clusters and Unusual Shaped Penetrations: Provide penetration pocket at least 2 inches (50 mm) deep, with at least 1 inch (25 mm) clearance from penetration, sloped to shed water.
 - 3. Structural Steel Tubing: If corner radii are greater than 1/4 inch (6 mm) and longest side of tube does not exceed 12 inches (305 mm), flash as for pipes; otherwise, provide a standard curb with flashing.
 - 4. Flexible and Moving Penetrations: Provide weathertight gooseneck set in sealant and secured to deck, flashed as recommended by manufacturer.

3.07 FINISHING AND WALKWAY INSTALLATION

- A. Install walkways at access points to the roof, around rooftop equipment that may require maintenance, and where indicated on the drawings.
 - 1. Use specified walkway pads unless otherwise indicated.
- B. Walkway Pads: Adhere to the roofing membrane, spacing each pad at minimum of 1.0 inch (25 mm) and maximum of 3.0 inches (75 mm) from each other to allow for drainage.
 - 1. If installation of walkway pads over field fabricated splices or within 6 inches (150 mm) of a splice edge cannot be avoided, adhere another layer of flashing over the splice and extending beyond the walkway pad a minimum of 6 inches (150 mm) on either side.
 - 2. Prime the membrane, remove the release paper on the pad, press in place, and walk on pad to ensure proper adhesion.

3.08 FIELD QUALITY CONTROL

- A. Inspection by Manufacturer: Provide final inspection of the roofing system by a Technical Representative employed by roofing system manufacturer specifically to inspect installation for warranty purposes (i.e. not a sales person).
- B. Perform all corrections necessary for issuance of warranty.

3.09 CLEANING

- A. Clean all contaminants generated by roofing work from building and surrounding areas, including bitumen, adhesives, sealants, and coatings.
- B. Repair or replace building components and finished surfaces damaged or defaced due to the work of this section; comply with recommendations of manufacturers of components and surfaces.
- C. Remove leftover materials, trash, debris, equipment from project site and surrounding areas.

3.10 PROTECTION

- A. Where construction traffic must continue over finished roof membrane, provide durable protection and replace or repair damaged roofing to original condition.

END OF SECTION

Asbestos Abatement Asbestos Inspections

Enviro Assessments East Inc.

July 16, 2014

To: City of Greenville – C/O Mr. Devin Thompson

RE: Limited Asbestos Survey @ The Intergenerational Community Center

On June 11th, 2014 I conducted a Limited Asbestos containing materials survey on the building known as the Intergenerational Community Center located at 1100 Ward Street in Greenville, NC. The purpose of this survey was to sample and identify possible Asbestos containing materials prior to renovations. The sample renovation areas included the Roofing, Kitchen, Multipurpose room, and associated windows throughout. Materials Sampled included multiple roofing materials/sealants, Floor tile, Floor mastic, cove base glue, window caulking, and window glazing. No other suspect materials were identified and no other areas were inspected as part of this limited inspection. There were materials found in this survey that contained asbestos and they are listed below. This inspection was done in accordance with the United States Environmental Protection Agency.

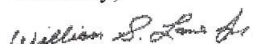
POSITIVE RESULTS WERE FOUND:

1. *Floor Tile and Mastic located in the Multipurpose room and Kitchen*
2. *Original Residual tar on Center parapet wall - upper and lower sides*
3. *Original Tar Sealant on Front parapet over entrance*

To the best of my knowledge, no other asbestos containing materials were found that were sampled in this survey. Before a building is to be remodeled or demolished all materials containing 1% asbestos or greater should be removed by a North Carolina State Licensed Asbestos Contractor.

If during demolition or remodeling any suspect asbestos materials are uncovered, stop work immediately and test those materials for asbestos.

Sincerely,



William S. Lane Jr.

N.C. Asbestos Inspector # 12021
 N.C. Asbestos Supervisor # 33514
 N.C. General Contracting # 60742
 N.C. Lead Firm # FPB-0292
 N.C. Lead RRP # RRP-0943
 V.A. Contractor's License # 3306-001122
 S.C. Contractor's License # CO- 00409

10705 Hwy 55 West, Dover, NC 28526

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SCHNEIDER LABORATORIES GLOBAL

INCORPORATED

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804-353-6778 • 800-785-LABS (5227) • (FAX) 804-359-1475

Over 25 Years of Excellence in Service and Technology

LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method¹ 600/R-93/116; EPA 600/M4-82-020

ACCOUNT #: 1833-14-3178
CUSTOMER: Enviro Assessments East Inc.
ADDRESS: 10705 Highway 55 West
Dover, NC 28526
PROJECT NAME: 1100 Ward St.
JOB LOCATION: Greenville, NC
PROJECT NO.:
PO NO.:

DATE COLLECTED: 7/11/2014
DATE RECEIVED: 7/14/2014
DATE ANALYZED: 7/15/2014
DATE REPORTED: 7/15/2014

SampleType: Bulk

Customer Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
1	32258829	On Deck Under New Roof		
Layer 1:	Felt Cream, Fibrous		None Detected	95% CELLULOSE FIBER 5% NON FIBROUS MATERIAL
Layer 2:	Tar Black, Bituminous		None Detected	5% CELLULOSE FIBER 95% NON FIBROUS MATERIAL
2	32258830	On Deck Under New Roof		
Layer 1:	Felt Cream, Fibrous		None Detected	95% CELLULOSE FIBER 5% NON FIBROUS MATERIAL
Layer 2:	Tar Black, Bituminous		None Detected	5% CELLULOSE FIBER 95% NON FIBROUS MATERIAL
3	32258831	On Deck Under New Roof		
Layer 1:	Felt Cream, Fibrous		None Detected	90% CELLULOSE FIBER 10% NON FIBROUS MATERIAL
Layer 2:	Tar Black, Bituminous		None Detected	10% MINERAL/GLASS WOOL 90% NON FIBROUS MATERIAL

Total Number of Pages in Report: 5

Results relate only to samples as received by the laboratory.

Visit www.slabinc.com for current certifications.

Accrediting bodies: AIHA-LAP, LLC 100527, NVLAP 101150-0, VELAP/NELAC 460135 - Call laboratory for current national and state certifications.

Method reporting limit is 1%. PLM analysis is based on Visual Estimation and NESHAP recommends that any asbestos content less than 10 percent be verified by PLM Point Count or TEM Analysis. This report must not be reproduced except in full with the approval of the laboratory.

Customer Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
4	32258832	On Deck Under New Roof		
Layer 1:	Felt Cream, Fibrous		None Detected	90% CELLULOSE FIBER 10% NON FIBROUS MATERIAL
Layer 2:	Tar Black, Bituminous		None Detected	10% MINERAL/GLASS WOOL 90% NON FIBROUS MATERIAL
5	32258833	Edges Throughout Roof		
Layer 1:	Tar Black, Bituminous		None Detected	12% CELLULOSE FIBER 88% NON FIBROUS MATERIAL
Layer 2:	Adhesive Brown, Soft		None Detected	2% CELLULOSE FIBER 98% NON FIBROUS MATERIAL
6	32258834	Edges Throughout Roof		
Layer 1:	Tar Black, Bituminous		None Detected	12% CELLULOSE FIBER 88% NON FIBROUS MATERIAL
Layer 2:	Adhesive Brown, Soft		None Detected	100% NON FIBROUS MATERIAL
7	32258835	On Lower-Upper Parapet Wall		
Layer 1:	Tar Black, Bituminous		20% CHRYSOTILE	10% CELLULOSE FIBER 70% NON FIBROUS MATERIAL
8	32258836	Front Parapet Entrance		
Layer 1:	Sealant Black, Bituminous		15% CHRYSOTILE	85% NON FIBROUS MATERIAL
9	32258837	Front Parapet Entrance		
Layer 1:	Sealant Black, Bituminous		15% CHRYSOTILE	85% NON FIBROUS MATERIAL
10	32258838	Stage		
Layer 1:	Floor Tile Red, Organically Bound		5% CHRYSOTILE	95% NON FIBROUS MATERIAL

Total Number of Pages in Report: 5

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Customer Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
Layer 2:	Mastic Black, Bituminous		8% CHRYSOTILE	92% NON FIBROUS MATERIAL
11	32258839	Stage		
Layer 1:	Floor Tile Red, Organically Bound		5% CHRYSOTILE	95% NON FIBROUS MATERIAL
Layer 2:	Mastic Black, Bituminous		8% CHRYSOTILE	92% NON FIBROUS MATERIAL
12	32258840	Multi Purpose Room		
Layer 1:	Floor Tile Gray, Organically Bound		4% CHRYSOTILE	96% NON FIBROUS MATERIAL
Layer 2:	Mastic Black, Bituminous		5% CHRYSOTILE	95% NON FIBROUS MATERIAL
13	32258841	Multi Purpose Room		
Layer 1:	Floor Tile Gray, Organically Bound		4% CHRYSOTILE	96% NON FIBROUS MATERIAL
Layer 2:	Mastic Black, Bituminous		5% CHRYSOTILE	95% NON FIBROUS MATERIAL
14	32258842	Kitchen		
Layer 1:	Glue Beige, Soft		None Detected	100% NON FIBROUS MATERIAL
15	32258843	Kitchen		
Layer 1:	Glue Beige, Soft		None Detected	100% NON FIBROUS MATERIAL
16	32258844	Kitchen		
Layer 1:	Floor Tile White, Organically Bound		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Mastic Black, Bituminous		4% CHRYSOTILE	6% CELLULOSE FIBER 90% NON FIBROUS MATERIAL

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Customer Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
17	32258845	Kitchen		
Layer 1:	Floor Tile White, Organically Bound		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Mastic Black, Bituminous		4% CHRYSOTILE	6% CELLULOSE FIBER 90% NON FIBROUS MATERIAL
18	32258846	Side Windows		
Layer 1:	Window Caulking Gray, Soft		None Detected	95% NON FIBROUS MATERIAL 5% WOLLASTONITE
19	32258847	Side Windows		
Layer 1:	Window Caulking Gray, Soft		None Detected	95% NON FIBROUS MATERIAL 5% WOLLASTONITE
20	32258848	Front Windows		
Layer 1:	Window Caulk Gray, Soft		None Detected	95% NON FIBROUS MATERIAL 5% WOLLASTONITE
21	32258849	Front Windows		
Layer 1:	Window Caulk Gray, Soft		None Detected	95% NON FIBROUS MATERIAL 5% WOLLASTONITE
22	32258850	Small Side Windows		
Layer 1:	Window Glazing Beige, Brittle		None Detected	97% NON FIBROUS MATERIAL 3% WOLLASTONITE
23	32258851	Small Side Windows		
Layer 1:	Window Glazing Beige, Brittle		None Detected	97% NON FIBROUS MATERIAL 3% WOLLASTONITE
24	32258852	Small Side Windows		
Layer 1:	Window Caulk Beige, Brittle		None Detected	95% NON FIBROUS MATERIAL 5% WOLLASTONITE

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Customer Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
25	32258853	Small Side Windows		
Layer 1:	Window Caulk Beige, Brittle		None Detected	95% NON FIBROUS MATERIAL 5% WOLLASTONITE

Analyst: Reel Hashim
Reel Hashim

Reviewed By: Alisar Daou
Alisar Daou, HR

Total Number of Pages in Report: 5

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1833-14-3178

Enviro Assessments East, Inc. ACCOUNT # 1833 10705 Hwy 55 West Dover, NC 28526 Contact: Sammy Lane PH# 252-560-3363 Fax#252-527-3055 Email: eae200@embarqmail.com	LABORATORY TEST REQUEST Laboratory Name: Schneider Labs Account Name: <u>City of Greenville</u> Survey Site: <u>Intergenerational Center</u> Address: <u>1100 Ward St.</u> <u>Greenville, NC</u>
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Sample Type: Asbestos Bulk	Analysis Type: PLM	Date Shipped: 7-11-14
Turn Around Time: 24 HR	# of Samples: 25	Date Collected: 7-11-14
Special Instructions/Notes		

Sample #	Sample type	Location	P/S
1	Felt/TAR (Lower Roof)	Felt on Deck under new Rubber Roof	
2	" " " "	" " " " " " " "	
3	" " (Upper Roof)	" " " " " " " "	
4	" " " "	" " " " " " " "	
5	TAR/Adhesive	Flashing edges throughout roof.	
6	" "	" " " " " "	
7	TAR	Flashing on lower-upper parapet wall	
8	Tar Sealant	Front Parapet Entrance	
9	" "	" " " "	
10	FT/mastic	Stage	
11	" "	" "	
12	" "	Multi Purpose Room	
13	" "	" " " "	
14	Cove Base Glue	Kitchen	
15	" " "	" "	
16	FT/mastic	" "	
17	" "	" "	
18	Window Caulking	windows Side Windows	
19	" "	" " " "	
20	Original Window Caulk	Front Windows	
21	" " "	" " " "	
22	Window Glazing	Small Side Windows	
23	" "	" " " "	
24	Window Caulk	" " " "	
25	" "	" " " "	
26			



CHAIN OF CUSTODY RECORD

DATE/TIME	CONDITION OF SAMPLE	SAMPLES RECEIVED BY:	SAMPLES RELEASED BY:
7-11-14	Double Bagged	<i>[Signature]</i>	<i>[Signature]</i>

7-11-14 WPC (M.D.S)

STATE OF NORTH CAROLINA

AFFIDAVIT

CITY OF GREENVILLE

I, _____ (the individual attesting below), being duly authorized by and on behalf of _____ (the entity bidding on project hereinafter "Employer") after first being duly sworn hereby swears or affirms as follows:

- 1. Employer understands that E-Verify is the federal E-Verify program operated by the United States Department of Homeland Security and other federal agencies, or any successor or equivalent program used to verify the work authorization of newly hired employees pursuant to federal law in accordance with NCGS §64-25(5).
- 2. Employer understands that Employers Must Use E-Verify. Each employer, after hiring an employee to work in the United States, shall verify the work authorization of the employee through E-Verify in accordance with NCGS§64-26(a).
- 3. Employer is a person, business entity, or other organization that transacts business in this State and that employs 25 or more employees in this State. (mark Yes or No)
 - a. YES _____, or
 - b. NO _____
- 4. Employer's subcontractors comply with E-Verify, and if Employer is the winning bidder on this project Employer shall ensure compliance with E-Verify by any subcontractors subsequently hired by Employer.

This ____ day of _____, 20____.

Signature of Affiant
Print or Type Name: _____

State of North Carolina City of Greenville

Signed and sworn to (or affirmed) before me, this the ____ day of _____, 20____.

My Commission Expires:

Notary Public

||
||
(Affix Official/Notarial Seal)

*****Contractor, Vendor or Bidder – Return This Form With All Other Required Documentation*****

IRAN DIVESTMENT ACT CERTIFICATION REQUIRED BY N.C.G.S.

147-86.59(a)

Name of Contractor, Vendor or Bidder: _____

The contractor, vendor, or bidder listed above hereby certifies that it is not on the Iran Final Divestment List created by the North Carolina State Treasurer pursuant to N.C.G.S. 147-86.58. The contractor, vendor, or bidder listed above will not utilize on the contract with the City Of Greenville any subcontractor that is listed on the Iran Final Divestment List created by the North Carolina State Treasurer pursuant to N.C.G.S. 147-86.58.

The undersigned hereby certifies that he or she is authorized by the contractor, vendor or bidder listed above to make the foregoing statement.

Signature Date

Printed Name Title

Notes to persons signing this form:

N.C.G.S. 147-86.59(a) requires this certification for bids or contracts with the State of North Carolina, a North Carolina local government, or any other political subdivision of the State of North Carolina. The certification is required at the following times:

- When a bid is submitted
- When a contract is entered into (if the certification was not already made when the vendor made its bid)
- When a contract is renewed or assigned

N.C.G.S. 147-86.59(b) requires that contractors with the State, a North Carolina local government, or any other political subdivision of the State of North Carolina must not utilize any subcontractor found on the State Treasurer’s Final Divestment List. The State Treasurer’s Final Divestment List can be found on the State Treasurer’s website at the address www.nctreasurer.com/Iran and will be updated every 180 days.