

**City of Edgerton, Wisconsin
Department of Public Works
Request for Proposals**

Library Roof Replacement

2023

The City of Edgerton, Wisconsin is soliciting proposals from Contractors interested in removing and replacing the flat roof at the City Library.

Interested Contractors shall provide the city with written cost proposals which also provide information regarding the firm's experience, references, equipment to be used and proposed schedule.

The proposal shall also include a completed and fully executed Bid Form.

All proposals may either be provided in hard copy enclosed within a sealed envelope and clearly labeled "Library Roof Replacement" or emailed to hmoser@edgerton.wi.gov by the deadline noted below:

Deadline for receipt of proposals is 2:00 p.m. Thursday May 25, 2023

Interested parties should contact:

City of Edgerton

12 Albion St

Edgerton, WI 53534

Call 608-884-3341 or email hmoser@edgerton.wi.gov

The City of Edgerton reserves the right to contract with the Bidder that has been determined to be in the best interest of the City after full consideration of cost, schedule and overall value.

The City of Edgerton also reserves the right to reject any or all Bids and the right to adjust the schedule as may be required due to weather conditions.

Important Bidder Information

Contractors are requested to plan to visit the library roof prior to bidding.

Each **Bid shall be submitted on the bid form** furnished by the City of Edgerton and attached to this Request for Proposals package.

Scope of Work

The scope of work consists of the removal and replacement of the EPDM flat roofing system, roof insulation, vapor barrier, walkway pad for roof.

References

Contractors must provide a list of three (3) jobs completed within 30 miles of the City of Edgerton that have gone through a minimum of three winters. List should include name of municipality, name and phone number of municipal representative and years worked for the municipality. Listed projects must be municipal/commercial roof replacements. Submit list in attached bid forms.

Equipment

Equipment used in the performance of this work shall be subject to the approval of the Municipal Services Director and maintained in optimum working condition at all times. The Contractor shall have ready access to sufficient back-up equipment that can be utilized in the event of equipment breakdown.

Traffic Control

The Contractors shall be required to provide their own traffic control measures. Said measures shall insure that traffic interruptions are minimal and that the public receives sufficient information and directions to pass and proceed safely through the work areas.

The setup shall include but not be limited to road signs, safety vests, and flaggers where necessary, and traffic cones. The selected Contractor shall employ all measures and procedures of safety and traffic control applicable by local, state, and/or federal laws during the performance of services.

The selected Contractor shall work in one lane at a time, and shall work with the direction of traffic in that lane.

The selected Contractor will be held responsible for all damage to the work from vehicles, motorcycles, bicycles, pedestrians, and animals or any other cause due to lack of adequate controlling devices.

Coordination

All work on the library shall be coordinated through the office of the Municipal Services Director.

The Contractor shall have an on-site supervisor or foreman available to direct operations. This supervisor or foreman will report to the Municipal Services Director regarding any problems encountered, resolution of corrective actions, provide daily progress reports and coordinate the next day's activities.

Defective Work

The City will provide a Department of Public Works staff person to observe the operation and confirm proper procedure.

Should the Contractor fail to maintain an effective level of performance, the City of Edgerton reserves the right to terminate the contract.

In the event the work performance of the selected Contractor is unsatisfactory, the selected Contractor will be notified by the Municipal Services Director or his designee and be given five (5) working days to correct work, and unreasonable delay in the performing of corrections may be grounds for termination of the selected Contractor.

Payment:

Price will include all labor and materials including traffic control for the project.

Payment will be made within 30-days of receipt of the submission of a completed invoice for the services billed in writing, with approval signoff of the Municipal Services Director or his designee.

Payment of each invoice shall automatically release any lien that the invoice may have provided against the City.

Payment will be made only for actual work performed and accepted in accordance with the contract.

Any scheduled item of work to be done and materials to be furnished may be increased, decreased, or omitted by the Municipal Services Director or his designee, and no claim for loss, anticipated profits, or costs incurred in anticipation of work not ultimately performed will be allowed due to such increase or decrease.

Safety:

All activities under this Contract shall be executed in accordance with all applicable Federal, State and Local safety regulations. All workers of the selected Contractor shall be properly trained in safe operation of tools and equipment assigned to them for their use and shall be provided with proper safety and protective gear.

Schedule Considerations:

The roof replacement work can begin after award on June 5th and must be completed no later than August 31st.

SECTION 075323 - ETHYLENE-PROPYLENE-DIENE-MONOMER (EPDM) ROOFING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Adhered ethylene-propylene-diene-monomer (EPDM) roofing system.
 - 2. Roof insulation.
 - 3. Walkway pad for adhered roofing system.
 - 4. Vapor barrier
- B. Section includes the installation of insulation strips in ribs of roof deck.

1.3 DEFINITIONS

- A. Roofing Terminology: Definitions in ASTM D 1079 and glossary of NRCA's "The NRCA Roofing and Waterproofing Manual" apply to work of this Section.

1.4 PREINSTALLATION MEETINGS

- A. Preinstallation Roofing Conference: Conduct conference at Project site.
 - 1. Meet with Owner, Owner's insurer if applicable, testing and inspecting agency representative, roofing Installer, roofing system manufacturer's representative, deck Installer, and installers whose work interfaces with or affects roofing, including installers of roof accessories and roof-mounted equipment.
 - 2. Review methods and procedures related to roofing installation, including manufacturer's written instructions.
 - 3. Review and finalize construction schedule, and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
 - 4. Examine deck substrate conditions and finishes for compliance with requirements, including flatness and fastening.
 - 5. Review structural loading limitations of roof deck during and after roofing.

6. Review base flashings, special roofing details, roof drainage, roof penetrations, equipment curbs, and condition of other construction that affects roofing system.
7. Review governing regulations and requirements for insurance and certificates if applicable.
8. Review temporary protection requirements for roofing system during and after installation.
9. Review roof observation and repair procedures after roofing installation.

1.5 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: For roofing system. Include plans, elevations, sections, details, and attachments to other work, including:
 1. Base flashings and membrane terminations.
 2. Roof plan showing orientation of steel roof deck and orientation of roofing and fastening spacings and patterns for mechanically fastened roofing.
 3. Insulation fastening patterns for corner, perimeter, and field-of-roof locations.

1.6 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer and manufacturer.
- B. Manufacturer Certificates: Signed by roofing manufacturer certifying that roofing system complies with requirements specified in "Performance Requirements" Article.
 1. Submit evidence of complying with performance requirements.
 - a. Shop drawings showing layout, details of construction and identification of materials.
 - b. Sample of the manufacturer's Total Systems Warranty covering all components of the roofing system.
 - c. Submit a letter of certification from the manufacturer which certifies the roofing contractor is authorized to install the manufacturer's roofing system.
 - d. Certification of the manufacturer's warranty reserve.

- C. Product Test Reports: For components of roofing system, tests performed by manufacturer and witnessed by a qualified testing agency.
- D. Field quality-control reports.
- E. Sample Warranties: For manufacturer's special warranties.

1.7 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For roofing system to include in maintenance manuals.

1.8 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A qualified manufacturer that is UL listed for roofing system identical to that used for this Project.
- B. Installer Qualifications: A qualified firm that is approved, authorized, or licensed by roofing system manufacturer to install manufacturer's product and that is eligible to receive manufacturer's special warranty.
- C. The specified roofing assembly must have been successfully tested by a qualified testing agency to resist the design uplift pressures calculated according to International Building Code (IBC) and American Society of Civil Engineers (ASCE 7) and after multiplying the results with a safety factor of (determined by designing professional).
- D. The membrane must be manufactured by the material supplier. Manufacturer's supplying membrane made by others are not acceptable.
- E. The manufacturer must have a minimum of 25 years' experience in the manufacturing of vulcanized black, thermoset sheeting.
- F. The manufacturer shall have domestic manufacturing experience commensurate with the term of warranty coverage of the products supplied.
- G. Unless otherwise noted in this specification, the roofing contractor must strictly comply with the manufacturer's current specifications and details.
- H. The roofing system must be installed by a contractor authorized and trained by the manufacturer in compliance with shop drawings as approved by the manufacturer. The roofing contractor shall be thoroughly experienced and upon request be able to provide evidence of having at least five (5) years successful experience installing single-ply EPDM roofing systems and having installed at least one (1) EPDM roofing application or several similar systems of equal or greater size within one year.
- I. There shall be no deviations made from this specification or the approved shop drawings without the prior written approval of the specifier. Any deviation from the manufacturer's installation procedures must be supported by a written certification on the manufacturer's letterhead and presented for the specifier's consideration.
- J. Non-sales Inspector shall be employed and trained by the manufacturer and have received product-specific training from the manufacturer of the products.

1.9 DELIVERY, STORAGE, AND HANDLING

- A. Deliver roofing materials to Project site in original containers with seals unbroken and labeled with manufacturer's name, product brand name and type, date of manufacture, approval or listing agency markings, and directions for storing and mixing with other components.
- B. Store liquid materials in their original undamaged containers in a clean, dry, protected location and within the temperature range required by roofing system manufacturer. Protect stored liquid material from direct sunlight.
 - 1. Discard and legally dispose of liquid material that cannot be applied within its stated shelf life.
- C. Protect roof insulation materials from physical damage and from deterioration by sunlight, moisture, soiling, and other sources. Store in a dry location. Comply with insulation manufacturer's written instructions for handling, storing, and protecting during installation.
- D. Handle and store roofing materials, and place equipment in a manner to avoid permanent deflection of deck.

1.10 FIELD CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit roofing system to be installed according to manufacturer's written instructions and warranty requirements.

1.11 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of roofing system that fail in materials or workmanship within specified warranty period.
 - 1. Special warranty includes membrane roofing, base flashings, roof insulation, fasteners, cover boards, roofing accessories, roof pavers, and other components of roofing system.
 - 2. Warranty Period: 20 years from date of Substantial Completion. The maximum wind speed coverage shall be peak gusts of 90 mph measured at 10 meters above ground level.
 - 3. Written certification is required with bid submittal indicating the manufacturer has reviewed and agreed to such wind coverage and manufacturer will provide specified warranties for the roof assemblies specified in Contract Documents.
- B. Warranty shall also cover leaks caused by hail: 1. Hail up to 1" diameter when 60 mil Non-Reinforced EPDM is installed over adhered ½" SecurShield HD. DensDeck Prime or SecuRock coverboard.

- C. Pro-rated System Warranties shall not be accepted.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Source Limitations: Obtain components including roof insulation and fasteners for roofing system from same manufacturer as membrane roofing or manufacturer approved by membrane roofing manufacturer.

2.2 PERFORMANCE REQUIREMENTS

- A. General Performance: Installed roofing and base flashings shall withstand specified uplift pressures, thermally induced movement, and exposure to weather without failure due to defective manufacture, fabrication, installation, or other defects in construction. Roofing and base flashings shall remain watertight.
 - 1. Accelerated Weathering: Roofing system shall withstand 2000 hours of exposure when tested according to ASTM G 152, ASTM G 154, or ASTM G 155.
 - 2. Impact Resistance: Roofing system shall resist impact damage when tested according to ASTM D 3746 or ASTM D 4272.
- B. Material Compatibility: Roofing materials shall be compatible with one another and adjacent materials under conditions of service and application required, as demonstrated by roofing manufacturer based on testing and field experience.
- C. Roofing System Design: Provide membrane roofing system that is identical to systems that have been successfully tested by a qualified testing and inspection agency to resist uplift pressure calculated according to ASCE/SEI 7.
- D. Exterior Fire-Test Exposure: ASTM E 108 or UL 790, Class B; for application and roof slopes indicated; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

2.3 EPDM ROOFING

- A. EPDM: ASTM D 4637, Type I, nonreinforced, uniform, flexible EPDM sheet.
 - 1. Manufacturers: Basis of Design Product: Subject to compliance with requirements, provide VersiGard 60mil non-reinforced EPDM membrane by Versico Roofing Systems or products by one of the following:
 - a. Carlisle SynTec Incorporated.
 - b. Firestone Building Products. – No longer Firestone. Called Elevate, no longer owned by Bridgestone.
 - c. GenFlex Roofing Systems.
 - d. Johns Manville.

- e. Approved equal
- 2. Thickness: 60 mils (20-year warranty), alternate thickness: 90 mils (30-year warranty).
- 3. Exposed Face Color: Black.

2.4 AUXILIARY ROOFING MATERIALS

- A. General: Auxiliary materials recommended by roofing system manufacturer for intended use and compatible with roofing.
 - 1. Liquid-type auxiliary materials shall comply with VOC limits of authorities having jurisdiction.
- B. Sheet Flashing: 60-mil-thick EPDM, partially cured or cured, according to application.
- C. Bonding Adhesive: Manufacturer's standard.
- D. Seaming Material: Manufacturer's standard, synthetic-rubber polymer primer and 3-inch-wide minimum, butyl splice tape with release film.
- E. Lap Sealant: Manufacturer's standard, single-component sealant, colored to match membrane roofing.
- F. Water Cutoff Mastic: Manufacturer's standard butyl mastic sealant.
- G. Metal Termination Bars: Manufacturer's standard, predrilled stainless-steel or aluminum bars, approximately 1 by 1/8 inch thick; with anchors.
- H. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Global 4470, designed for fastening membrane to substrate, and acceptable to roofing system manufacturer.
- I. Miscellaneous Accessories: Provide pourable sealers, preformed cone and vent sheet flashings, molded pipe boot flashings, preformed inside and outside corner sheet flashings, reinforced EPDM securement strips, T-joint covers, in-seam sealants, termination reglets, cover strips, and other accessories.

2.5 ROOF INSULATION

- A. General: Preformed roof insulation boards manufactured or approved by EPDM roofing manufacturer, selected from manufacturer's standard sizes suitable for application, of thicknesses required to achieve specified R-value.
- B. General: Provide preformed roof insulation boards that comply with requirements and referenced standards, selected from manufacturer's standard sizes and of thicknesses indicated.

- C. Rigid insulation panel composed of a high-density, closed-cell polyisocyanurate foam core laminated to moisture-resistant coated-glass fiber-mat facer for use as a cover board or recover board meeting ASTM 1289-06, Type II, Class 2 (100 psi). Available 1/2" thick 4' x 8' panel weight 11 lbs with an R-value of 2.5.
 - 1. Basis of Design Product: Subject to compliance with requirements, provide SecurShield HD Cover Board by Versico Roofing Systems or products by one of the following:
 - a. Carlisle SynTec Incorporated.
 - b. Firestone Building Products. – No longer Firestone. Called Elevate, no longer owned by Bridgestone.
 - c. GenFlex Roofing Systems.
 - d. Johns Manville.
 - e. Approved Equal
- D. Polyisocyanurate Board Tapered Insulation: Provide factory-tapered insulation boards fabricated to slope of 1/4 inch per 12 inches, unless otherwise indicated. Use a minimum of 4" insulation at any point or the minimum required by the energy code.

2.6 INSULATION ACCESSORIES

- A. General: Roof insulation accessories recommended by insulation manufacturer for intended use and compatibility with roofing.
- B. Use electro-magnetic screws to fasten new high density EPS board over existing and remediated insulation at all flat roof areas.
- C. Basis of Design Product: Subject to compliance with requirements, provide fastening accessories by Versico Roofing Systems or products by one of the following:
 - 1. Carlisle SynTec Incorporated.
 - 2. Elevate Roof Systems
 - 3. Johns Manville
 - a. HPV Fasteners: a threaded, #14 fastener with a #3 phillips drive used with steel and wood roof decks.
 - b. Pre-Assembled ASAP Fasteners: A pre-assembled 3" diameter Plastic Plate and # 12 threaded fastener with a #3 drive used for insulation attachment into steel or wood decks.
 - c. InsulTite Fasteners: A threaded #12 fastener with #3 phillips drive used for insulation attachment into steel or wood decks.
 - d. Term Bar Nail-Ins: A 1-1/4" long expansion anchor with a zinc plated steel drive pin used for fastening the Versico Termination Bar or Seam Fastening Plates to concrete, brick, or block walls.

- e. Seam Fastening Plate: a 2" diameter metal fastening plate used in conjunction with RUSS or EPDM membrane for additional membrane securement.
- f. Insulation Fastening Plates: a nominal 3 inch diameter plastic or metal plate used for insulation attachment.
- g. Quick-Applied RTS (Reinforced Termination Strip): a 6" wide, nominal 45-mil thick clean, cured black reinforced EPDM membrane with 3" wide factory applied quick applied seam tape (VersiGard QAT) laminated along one edge. The 6" wide Quick Applied RTS is used horizontally or vertically at the base of walls, curbs, etc., in conjunction with 2" diameter securement plates or bars below the EPDM deck membrane for additional membrane securement.

D. Approved equal

2.8 ADHESIVES, CLEANERS AND SEALANTS

- A. **Basis of Design Product: Subject to compliance with requirements, provide fastening accessories by Versico Roofing Systems or products by one of the following:**
- 1. Carlisle SynTec Incorporated.
 - 2. Elevate Roof Systems
 - 3. Johns Manville
- a. G200SA Substrate Adhesive: A high-strength, yellow colored, synthetic rubber adhesive used for bonding VersiGard (Black or White) EPDM membranes to various surfaces. Available in 5 gallon pails.
 - b. Versico Weathered Membrane Cleaner: A clear, solvent-based cleaner used to loosen and remove dirt and other contaminants from the surface of exposed EPDM membrane (for repairs, etc.) prior to applying EPDM Primer. Weathered Membrane Cleaner can also be used when applying Splicing Cement. Available in 1 and 5-gallon pails.
 - c. VersiGard (Black or White) Quick Applied Seam Tape (Factory Applied): A 3" or 6" wide by 100' long splice tape used for splicing adjoining sections of EPDM membrane. Complies with the South Coast Air Quality Management District Rule 1168.
 - d. EPDM Primer: A solvent-based primer used to prepare the surface of EPDM membrane for application of Splice Tape or Quick Applied products. Available in 1 gallon pails and pressurized cylinders.
 - e. Lap Sealant: A heavy-bodied material used to seal the exposed edges of a membrane splice. Available in tubes.

- f. Water Cut-Off Mastic: A one-component, low viscosity, self wetting, Butyl blend mastic used to achieve a compression seal between the EPDM membrane or Uncured EPDM Flashing and applicable substrates. Available in tubes.
- g. CAV-GRIP 3V Low-VOC Aerosol Contact Adhesive/Primer: a low-VOC, methylene chloride-free adhesive that can be used for a variety of applications including: bonding VersiWeld membrane to various surfaces, enhancing the bond between Versico's VapAir Seal 725TR and various substrates, priming unexposed asphalt prior to applying Flexible DASH Adhesive and for adhering VersiGard EPDM membrane to vertical walls. Coverage rate is approximately 2,000-2,500 sq. ft. per #40 cylinder and 4,000-5,000 sq. ft. per #85 cylinder as a primer, in a single-sided application and 750 sq. ft. per #40 cylinder and 1,500 sq. ft. per #85 cylinder as an adhesive for vertical walls, in a double-sided application.

2.9 WALKWAY PADS

- B. Roof Walkway Pads for fully adhered EPDM roof: Molded rubber type with slip resistant surface and rounded corners.
 - 1. Size: 30 inch by 30 inch by 3/16 inch thick.
 - a. Provide at the roof access point located on the mechanical mezzanine.
 - 2. Color: Contrasting with roof membrane. See drawings for locations.

2.10 METAL EDGING AND MEMBRANE TERMINATION

- A. **General:** All metal edgings shall be tested and meet ANSI/SPRI ES-1 standards and comply with International Building Code. All metal work is to be supplied and warranted by the manufacturer.
 - 1. VersiTrim Drip Edge: A metal fascia/edge system with a 22 or 24 gauge continuous anchor cleat and .032 inch thick aluminum or 24 gauge steel fascia. Metal fascia color shall be as designated by the Owner's Representative.

2.11 Vapor Barrier

- A. Provide vapor barrier above roof deck, with a min 15 mil thickness, self adhered, .001 perm rating. Carlisle VapSeal MD or approved equal

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements and other conditions affecting performance of the Work:
 - 1. Verify that roof openings and penetrations are in place, curbs are set and braced, and roof-drain bodies are securely clamped in place.
 - 2. Verify that wood blocking, curbs, and nailers are securely anchored to roof deck at penetrations and terminations and that nailers match thicknesses of insulation.
 - 3. Verify that surface plane flatness and fastening of steel roof deck complies with requirements in Section 053100 "Steel Decking."
 - 4. Verify that any penetrations of the existing roof deck have been covered and sealed.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean substrate of dust, debris, moisture, and other substances detrimental to roofing installation according to roofing system manufacturer's written instructions. Remove sharp projections.
- B. Prevent materials from entering and clogging roof drains and conductors and from spilling or migrating onto surfaces of other construction. Remove roof-drain plugs when no work is taking place or when rain is forecast.
- C. At the roof replacement cut and remove wet insulation and fill all voids with new insulation so that it is relatively flush.

3.3 ROOFING INSTALLATION, GENERAL

- A. Install roofing system according to roofing system manufacturer's written instructions and details per warranty.
- B. Coordinate installing membrane roofing system components so insulation is not exposed to precipitation or left exposed at the end of the workday.
- C. Comply with membrane roofing system manufacturer's written instructions for installing roof insulation.
- D. Install insulation under area of roofing to achieve required thickness. Where overall insulation thickness is 2.7 inches or greater, install two or more layers with joints of each succeeding layer staggered from joints of previous layer a minimum of 6 inches in each direction.

- E. Trim surface of insulation where necessary at roof drains so completed surface is flush and does not restrict flow of water.
- F. Install insulation with long joints of insulation in a continuous straight line with end joints staggered between rows, abutting edges and ends between boards. Fill gaps exceeding 1/4 inch with insulation.
 - 1. Cut and fit insulation within 1/4 inch of nailers, projections, and penetrations.

3.4 INSULATION INSTALLATION

- A. Coordinate installing roofing system components so insulation is not exposed to precipitation or left exposed at the end of the workday.
- B. Install insulation or membrane underlayment over the substrate with boards butted tightly together with no joints or gaps greater than 1/4 inch. Stagger joints both horizontally and vertically if multiple layers are provided.
- C. B. Secure insulation to the substrate with the required mechanical fasteners in accordance with the manufacturer's specifications.

3.5 ADHERED MEMBRANE ROOFING INSTALLATION

- A. Adhere roofing over area to receive roofing according to membrane roofing system manufacturer's written instructions. Unroll membrane roofing and allow to relax before installing.
- B. Start installation of roofing in presence of roofing system manufacturer's technical personnel.
- C. Accurately align roofing, and maintain uniform side and end laps of minimum dimensions required by manufacturer. Stagger end laps.
- D. Bonding Adhesive: Apply to substrate and underside of roofing at rate required by manufacturer, and allow to partially dry before installing roofing. Do not apply to splice area of roofing.
- E. Tape Seam Installation: Clean and prime both faces of splice areas, apply splice tape, and firmly roll side and end laps of overlapping roofing according to manufacturer's written instructions to ensure a watertight seam installation. Apply lap sealant and seal exposed edges of roofing terminations.
- F. Repair tears, voids, and lapped seams in roofing that do not comply with requirements.
- G. Spread sealant or mastic bed over deck-drain flange at roof drains, and securely seal membrane roofing in place with clamping ring and tighten all bolts.

3.6 BASE FLASHING INSTALLATION

- A. Install sheet flashings and preformed flashing accessories, and adhere to substrates according to roofing system manufacturer's written instructions.
- B. Apply bonding adhesive to substrate and underside of sheet flashing at required rate, and allow to partially dry. Do not apply to seam area of flashing.
- C. Flash penetrations and field-formed inside and outside corners with cured or uncured sheet flashing.
- D. Clean splice areas, apply splicing cement, and firmly roll side and end laps of overlapping sheets to ensure a watertight seam installation. Apply lap sealant and seal exposed edges of sheet flashing terminations.
- E. Terminate and seal top of sheet flashings:
 - 1. Terminate and seal top of sheet flashings and mechanically anchor to substrate through termination bars for the fully adhered system.
 - 2. Terminate and seal top of sheet flashings and mechanically anchor to substrate to match what was previously done for the ballasted system.

3.7 FIELD QUALITY CONTROL

- A. Final Roof Inspection: Arrange for roofing system manufacturer's technical personnel to inspect roofing installation on completion.
- B. Repair or remove and replace components of roofing system where inspections indicate that they do not comply with specified requirements.
- C. Additional testing and inspecting, at Contractor's expense, will be performed to determine if replaced or additional work complies with specified requirements.

3.8 PROTECTING AND CLEANING

- A. Provide daily night seals during construction.
- B. Protect membrane roofing system from damage and wear during remainder of construction period. When remaining construction does not affect or endanger roofing, inspect roofing for deterioration and damage, describing its nature and extent in a written report, with copies to Architect and Owner.
- C. Correct deficiencies in or remove membrane roofing system that does not comply with requirements, repair substrates, and repair or reinstall membrane roofing system to a condition free of damage and deterioration at time of Substantial Completion and according to warranty requirements.
- D. Clean overspray and spillage from adjacent construction using cleaning agents and procedures recommended by manufacturer of affected construction.

END OF SECTION 075323

ROOF REPLACEMENT REFERENCE SHEET

Municipality: _____ Contact: _____

Address: _____

City, State, Zip: _____

Telephone: _____ Fax: _____ E-Mail: _____

Municipality: _____ Contact: _____

Address: _____

City, State, Zip: _____

Telephone: _____ Fax: _____ E-Mail: _____

Municipality: _____ Contact: _____

Address: _____

City, State, Zip: _____

Telephone: _____ Fax: _____ E-Mail: _____

**Library Roof Replacement
Bid Form**

Name of Firm

Type of Company Sole Proprietor Partnership Corporation

Street Address

City, State, Zip code

A certificate of insurance will be required from the successful contractor prior to beginning work.

Signature _____ Attest _____

ITEM	COST
MOBILIZATION	\$
REMOVAL OF EXISTING ROOF	\$
INSTALLATION OF NEW ROOF	\$
TOTAL PROJECT COST	\$

Printed Name _____ Title _____

Date _____

**Library Roof Replacement
Bid Form**

Name of Firm

Type of Company Sole Proprietor Partnership Corporation

Street Address

City, State, Zip code

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REMOVAL OF EXISTING ROOF	\$
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TOTAL PROJECT COST	\$

Printed Name _____ Title _____

Date _____

ROOF REPLACEMENT REFERENCE SHEET

Municipality: _____ Contact: _____

Address: _____

City, State, Zip: _____

Telephone: _____ Fax: _____ E-Mail: _____

Municipality: _____ Contact: _____

Address: _____

City, State, Zip: _____

Telephone: _____ Fax: _____ E-Mail: _____

Municipality: _____ Contact: _____

Address: _____

City, State, Zip: _____

Telephone: _____ Fax: _____ E-Mail: _____