

**BID FORM**  
**Van Buren County DHS REROOF PROJECT**

Please Submit To:  
[smallj@vanburencountymi.gov](mailto:smallj@vanburencountymi.gov)  
[marc@greatlakesroofingsolutions.com](mailto:marc@greatlakesroofingsolutions.com)

By: **Thursday, November 14th at 1:00 PM**

**BID OPTION – New fully adhered 80 mil PVC over 2 layers of 2.6” iso and ½” Securshield hd board**

- A. Price for all labor, material, permits, tools, equipment, and supervision necessary to complete the installation of the new 80 mil Versiflex PVC Fully Adhered roof system according to the Reroofing Specification. The new roof system must meet the requirements of the roof system manufacturer’s warranty and all local, state, and national building code requirements for the geographic location of the project. Price must include the cost of the manufacturer’s 30-year, 55 mph NDL Edge to Edge warranty.

Lump Sum Bid for Option #1: \$ \_\_\_\_\_

Price/Square foot to replace bad decking: \$ \_\_\_\_\_

Projected number of working days to completion: \_\_\_\_\_

Pricing is valid through this date: \_\_\_\_\_ (date)

**Asphalt Shingles**

- B. Price for all labor, material, permits, tools, equipment, and supervision necessary to complete the installation of the new Certaineed Landmark Pro Shingle system according to the Reroofing Specification. The new roof system must meet the requirements of the roof system manufacturer’s warranty and all local, state, and national building code requirements for the geographic location of the project.

Lump Sum Bid for Shingles: \$ \_\_\_\_\_

Price/Square foot to replace bad decking: \$ \_\_\_\_\_

Projected number of working days to completion: \_\_\_\_\_

Pricing is valid through this date: \_\_\_\_\_ (date)

Comments (Optional):

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**Contract Acknowledgement and Acceptance**

By signing below, I acknowledge that I have received and reviewed the provided specification and accept these terms and conditions without modification. This includes the review and acceptance of the insurance requirements and building rules and regulations.

I have also included in my bid to use Versico metals for all edge metal treatments to achieve a full "Edge to Edge" Warranty from Versico Roofing Systems.

**Contractor Information:**

Company Name: \_\_\_\_\_ Contact Name: \_\_\_\_\_

Contact Phone No.: \_\_\_\_\_ Contact Email: \_\_\_\_\_

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

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- B. Price for all labor, material, permits, tools, equipment, and supervision necessary to complete the installation of the new Certainteed Landmark Pro Shingle system according to the Reroofing Specification. The new roof system must meet the requirements of the roof system manufacturer’s warranty and all local, state, and national building code requirements for the geographic location of the project.

Lump Sum Bid for Shingles: \$ \_\_\_\_\_

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Contact Phone No.: \_\_\_\_\_ Contact Email: \_\_\_\_\_

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

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# Van Buren County Multiple Roofs VersiFlex White PVC™ Adhered

October 2024

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## Scope of Work:

1. Remove existing PVC roofing system down to deck (Tectum, Concrete)
  2. Adhere two layers of 2.6" polyisocyanurate
  3. Install 8 x 8 sumps around all the drains
  4. Adhere 1/2" securshield hd
  5. Fully adhere 80 mil White PVC
  6. Install 24 gauge fascia around perimeter
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## PART 1 GENERAL

### 1.01 DESCRIPTION

- A. The Van Buren multiple roofs is located at 57236-57354 County Road 681 in Lawrence, MI. Marc Treat Versico Roofing Systems, Project Manager/Coordinator, is the Owner's Representative and may be contacted regarding any questions or for a pre-bid job site inspection, phone 616-502-0230.
- B. The project consists of installing Versico's VersiFlex PVC Adhered Roofing System as outlined below:

Apply the VersiFlex Adhered Roofing System in conjunction with two layers of 2.6" polyisocyanurate after tear off of the existing 40 mil PVC roof to expose the Tectum/concrete for verification of suitable substrate as specified in this specification.

### 1.02 EXTENT OF WORK

- A. Provide all labor, material, tools, equipment, and supervision necessary to complete the installation of the VersiFlex PVC 80-mil thick white polyester reinforced PVC (polyvinyl chloride) membrane adhered roofing system including flashings and insulation as specified herein and as indicated on the drawings in accordance with the manufacturer's most current specifications and details.
- B. The roofing contractor shall be fully knowledgeable of all requirements of the contract documents and shall make themselves aware of all job site conditions that will affect their work.
- C. The roofing contractor shall confirm all given information and advise the building owner, prior to bid, of any conflicts that will affect their cost proposal.
- D. Any contractor who intends to submit a bid using a roofing system other than the approved manufacturer must submit for pre-qualification in writing fourteen (14) days prior to the bid date. Any contractor who fails to submit all information as requested will be subject to rejection. Bids stating "as per plans and specs" will

be unacceptable.

### **1.03 SUBMITTALS**

- A. Prior to starting work, the roofing contractor must submit the following:
  - 1. Shop drawings showing layout, details of construction and identification of materials.
  - 2. A sample of the manufacturer's Membrane System Warranty.
  - 3. Submit a letter of certification from the manufacturer which certifies the roofing contractor is authorized to install the manufacturer's roofing system and lists foremen who have received training from the manufacturer along with the dates training was received.
  - 4. Certification from the membrane manufacturer indicating the membrane thickness over the reinforcing scrim (top ply membrane thickness) is nominal 27-mil or thicker, depending on membrane thickness.
  - 5. Certification of the manufacturer's warranty reserve.
- B. Upon completion of the installed work, submit copies of the manufacturer's final inspection to the specifier prior to the issuance of the manufacturer's warranty.

### **1.04 PRODUCT DELIVERY, STORAGE AND HANDLING**

- A. Deliver materials to the job site in the manufacturer's original, unopened containers or wrappings with the manufacturer's name, brand name and installation instructions intact and legible. Deliver in sufficient quantity to permit work to continue without interruption.
- B. Comply with the manufacturer's written instructions for proper material storage.
  - 1. Store VersiFlex membrane on provided pallets in the original undisturbed plastic wrap and cover with light colored breathable waterproof tarpaulins in a cool, shaded area. VersiFlex membrane that has been exposed to the elements must be prepared with Versico PVC cleaner prior to hot air welding.
  - 2. Store curable materials (adhesives and sealants) between 60°F and 80°F in dry areas protected from water and direct sunlight. If exposed to lower temperature, restore to 60°F minimum temperature before using.
  - 3. Store materials containing solvents in dry, well ventilated spaces with proper fire and safety precautions. Keep lids on tight. Use before expiration of their shelf life.
  - 4. Insulation/underlayment must be stored so that it is kept dry and is protected from the elements. Store bundles flat and upright with the bottom of the bundles elevated (2" or more) above the finished surface.
  - 5. Slit the insulation bundle packaging vertically down the center of the two short sides to prevent moisture accumulation within the package. Completely cover the bundle with a waterproof tarp and secure to prevent wind damage and / or displacement.
- D. Any materials which are found to be damaged shall be removed and replaced at the applicator's expense.

## 1.05 WORK SEQUENCE

- A. Schedule and execute work to prevent leaks and excessive traffic on completed roof sections. Care should be exercised to provide protection for the interior of the building and to ensure water does not flow beneath any completed sections of the membrane system.
- B. Do not disrupt activities in occupied spaces.

## 1.06 USE OF THE PREMISES

- A. Before beginning work, the roofing contractor must secure approval from the building owner's representative for the following:
  - 1. Areas permitted for personnel parking.
  - 2. Access to the site.
  - 3. Areas permitted for storage of materials and debris.
  - 4. Areas permitted for the location of cranes, hoists and chutes for loading and unloading materials to and from the roof.
- B. Interior stairs or elevators may not be used for removing debris or delivering materials, except as authorized by the building superintendent.

## 1.07 EXISTING CONDITIONS

If discrepancies are discovered between the existing conditions and those noted on the drawings, immediately notify the owner's representative by phone and solicit the manufacturer's approval prior to commencing with the work. Necessary steps shall be taken to make the building watertight until the discrepancies are resolved.

## 1.08 PRECONSTRUCTION CONFERENCE

- A. A pre-bid meeting will be held at the job site on Wednesday November 6th, 2024 at 11:00am. Contact the owner's representative, Marc Treat, Versico Roofing Systems, at 616-502-0230 if there are any questions.
- B. Prior to bid submittal, the roofing contractor should schedule a job site inspection to observe actual conditions and verify all dimensions on the roof. The job site inspection may occur on the day of the pre-bid meeting or prior to such a meeting. Should access to the roof be necessary before or after the pre-bid meeting, the contractor must contact the owner's representative, Marc Treat, Versico Roofing Systems, at 616-502-0230 to coordinate an appropriate time.
- C. Bids must be forwarded to the following address no later than 1:00pm on Thursday November 14<sup>th</sup> 2024:

Marc Treat Versico Roofing systems  
marc@greatlakesroofingsolutions.com

And

John Small Van Buren County  
smallj@vanburencountymi.gov

- D. Any conditions which are not shown on the shop drawings should be indicated on a copy of the shop drawing and included with bid submittal if necessary to clarify any conditions not shown.

## 1.09 TEMPORARY FACILITIES AND CONTROLS

### A. Temporary Utilities:

1. Water, power for construction purposes and lighting are not available at the site and will not be made available to the roofing contractor.
2. Provide all hoses, valves and connections for water from a source designated by the owner when made available.
3. When available, electrical power should be extended as required from the source. Provide all trailers, connections and fused disconnects.

### B. Temporary, Sanitary Facilities

Sanitary facilities will not be available at the job site. The roofing contractor shall be responsible for the provision and maintenance of portable toilets or their equal.

### C. Building Site:

1. The roofing contractor shall use reasonable care and responsibility to protect the building and site against damages. The contractor shall be responsible for the correction of any damage incurred as a result of the performance of the contract.
2. The roofing contractor shall remove all debris from the job site in a timely and legally acceptable manner so as to not detract from the aesthetics or the functions of the building.

### D. Security:

Obey the owner's requirements for personnel identification, inspection and other security measures.

## 1.10 JOB SITE PROTECTION

- A. The roofing contractor shall adequately protect building, paved areas, service drives, lawn, shrubs, trees, etc. from damage while performing the required work. Provide canvas, boards and sheet metal (properly secured) as necessary for protection and remove protection material at completion. The contractor shall repair or be responsible for costs to repair all property damaged during the roofing application.
- B. During the roofing contractor's performance of the work, the building owner will continue to occupy the existing building. The contractor shall take precautions to prevent the spread of dust and debris, particularly where such material may sift into the building. The roofing contractor shall provide labor and materials to construct, maintain and remove necessary, temporary enclosures to prevent dust or debris in the construction area(s) from entering the remainder of the building.
- C. Do not overload any portion of the building, by either use of or placement of equipment, storage of debris, or storage of materials.
- D. Protect against fire and flame spread. Maintain proper and adequate fire extinguishers.
- E. Take precautions to prevent drains from clogging during the roofing application. Remove debris at the completion of each day's work and clean drains, if required. At completion, test drains to ensure the system is free running and drains are watertight. Remove strainers and plug drains in areas where work is in progress. Install flags or other telltales on plugs. Remove plugs each night and screen drain.
- F. Store moisture susceptible materials above ground and protect with waterproof coverings.
- G. Remove all traces of piled bulk material and return the job site to its original condition upon completion.

## **1.11 SAFETY**

The roofing contractor shall be responsible for all means and methods as they relate to safety and shall comply with all applicable local, state and federal requirements that are safety related. **Safety shall be the responsibility of the roofing contractor.** All related personnel shall be instructed daily to be mindful of the full time requirement to maintain a safe environment for the facility's occupants including staff, visitors, customers and the occurrence of the general public on or near the site.

## **1.12 WORKMANSHIP**

- A. Applicators installing new roof, flashing and related work shall be factory trained and approved by the manufacturer they are representing.
- B. All work shall be of highest quality and in strict accordance with the manufacturer's published specifications and to the building owner's satisfaction.
- C. There shall be a supervisor on the job site at all times while work is in progress.

## **1.13 QUALITY ASSURANCE**

- A. Unless otherwise noted in this specification, the roofing contractor must strictly comply with Versico Roofing Systems current specifications and details.
- B. The membrane must be manufactured by Versico Roofing Systems. Manufacturers supplying membrane made by others is not acceptable.
- C. The roofing system must be installed by an applicator authorized and trained by the manufacturer in compliance with shop drawings as approved by the manufacturer.
- D. Provide a adequate number of experienced workmen regularly engaged in this type of work who are skilled in the application techniques of the materials specified including operation of hot air welding equipment and power supply. Provide at least one thoroughly trained and an experienced superintendent on the job at all times roofing work is in progress.
- E. 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.
- F. Upon completion of the installation, the applicator shall arrange for an inspection to be made by a non-sales technical representative of the membrane manufacturer in order to determine whether or not corrective work will be required before the warranty will be issued. Notify the building owner seventy-two (72) hours prior to the manufacturer's final inspection.

## **1.14 JOB CONDITIONS, CAUTIONS AND WARNINGS**

Refer to Versico's VersiFlex specification for General Job Site Considerations.

- A. Safety Data Sheets (SDS) must be on location at all times during the transportation, storage and application of materials.
- B. When positioning membrane sheets, exercise care to locate all field splices away from low spots and out of drain sumps. All field splices should be shingled to prevent bucking of water.
- C. When loading materials onto the roof, the Versico Authorized Roofing Applicator must comply with the

requirements of the building owner to prevent overloading and possible disturbance to the building structure.

- D. Proceed with roofing work only when weather conditions are in compliance with the manufacturer's recommended limitations, and when conditions will permit the work to proceed in accordance with the manufacturer's requirements and recommendations.
- E. Proceed with work so new roofing materials are not subject to construction traffic. When necessary, new roof sections shall be protected and inspected upon completion for possible damage.
- F. Provide protection, such as 3/4 inch thick plywood, for all roof areas exposed to traffic during construction. Plywood must be smooth and free of fasteners and splinters.
- G. The surface on which the insulation or roofing membrane is to be applied shall be clean, smooth, dry, and free of projections or contaminants that would prevent proper application of or be incompatible with the new installation, such as fins, sharp edges, foreign materials, oil and grease.
- H. New roofing shall be complete and weather tight at the end of the work day.
- I. Contaminants such as grease, fats and oils shall not be allowed to come in direct contact with the roofing membrane.

## **1.15 WARRANTY**

- A. Provide manufacturer's 30 year Total System Warranty covering both labor and material with no dollar limitation. The maximum wind speed coverage shall be peak gusts of 55 mph measured at 10 meters above ground level. Certification is required with bid submittal indicating the manufacturer has reviewed and agreed to such wind coverage.
- B. Pro-rated System Warranties shall not be accepted.
- C. Evidence of the manufacturer's warranty reserve shall be included as part of the project submittals for the specifier's approval.

## **PART 2 PRODUCTS**

### **2.01 GENERAL**

- A. All components of the specified roofing system shall be products of Versico or accepted by Versico as compatible.
- B. All products (including insulation, fasteners, fastening plates, pre-fabricated accessories and edgings) must be **manufactured and supplied** by the roofing system manufacturer and covered by the warranty.

### **2.02 MEMBRANE**

- A. Furnish VersiFlex PVC 80-mil thick white polyester reinforced PVC (polyvinyl chloride) membrane as needed to complete the roofing system.

### **2.03 INSULATION/UNDERLAYMENT**

- A. When applicable, insulation shall be installed in multiple layers. The first and second layers of insulation shall be mechanically fastened to the substrate in accordance with the manufacturer's published specifications.
- B. Insulation shall be polyisocyanurate as supplied by Versico. Minimum R-value required is R-30.

1. **Versico Versicore MP-H Polyiso** – A foam core insulation board covered on both sides with a medium weight fiber-reinforced felt facer meeting ASTM C 1289-06, Type II, Class 1, Grade 2 (20 psi) or Grade 3 (25 psi). The product is available in 4' x 8' standard size with a thickness from 1 to 4 inches. 4' x 4' tapered panels are also available.
2. **Versico SecurShield HD Cover Board**– a 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 (109 psi max). Available 1/2" thick 4' x 8' panel weight 11 lbs with an R-value of 2.5.

## 2.04 FASTENING COMPONENTS

### A. Insulation Adhesive:

1. **Flexible DASH Adhesive:** An elongating impact resistant two component (Part A and B), extrusion applied, low rise adhesive for bonding insulation to various surfaces. Packaging formats include 50 and 15 gallon drums, Dual Tanks, Dual Cartridges and 5-gallon Jugs. When extruded at 12" on center the coverage rate is 3,500-3,700 sq.ft. per set of Dual Tanks, 400-600 sq.ft. per carton of Dual Cartridges or 2,000-2,500 sq.ft. per set of 5-gallon Jug Adhesive.

## 2.05 ADHESIVES, CLEANERS AND SEALANTS

All products shall be furnished by Versico and specifically formulated for the intended purpose.

- A. **CAV-GRIP PVC Aerosol Contact Adhesive:** a low-VOC, methylene chloride-free adhesive that can be used for a variety of applications including: adhering PVC bareback membranes to a variety of horizontal substrates and vertical walls (cannot be used with any KEE or KEE HP bareback membranes), as well as adhering VersiFleece membranes to vertical walls. Coverage rate is approximately 400 sq. ft. per #40 cylinder and 800 sq. ft. per #85 cylinder as an adhesive for vertical walls, in a double-sided application; 750 sq. ft. per #40 cylinder and 1,500 sq. ft. per #85 cylinder as an adhesive, horizontally, for the field of the roof, in a double-sided applications.
- B. **VersiFlex PVC Cut-Edge Sealant:** A clear-colored sealant used to seal cut edges of reinforced VersiFlex membrane. A coverage rate of approximately 225 - 275 linear feet per squeeze bottle can be achieved when a 1/8" diameter bead is applied.
- C. **Water Cut-Off Mastic:** Used as mastic to prevent moisture migration at drains, compression terminations and beneath conventional metal ledging (at a coverage rate of approximately 10' per tube or 100' per gallon).
- D. **Universal Single-Ply Sealant:** A 100% solids, solvent free, one-part, polyether sealant that provides a weather tight seal to a variety of building substrates. Can be used as a termination bar sealant or for use in counterflashing, coping, and scupper details.
- E. **PVC One-Part Pourable Sealer:** A one-part, moisture curing, elastomeric polyether sealant used to fill Molded Sealant Pockets. Packaged in four 1/2 gallon pouches per plastic bucket. One pouch will fill one Molded Sealant Pocket.
- F. **PVC and KEE HP Membrane Cleaner:** Used to prepare membrane that has been exposed to the elements for approximately 7 days prior to heat welding or to remove general construction dirt at an approximate coverage rate of 400 square feet per gallon (one surface).

- G. **VersiFlex Low-VOC PVC Step 1 Activator:** A high-strength, solvent-based activator that allows PVC Pressure-Sensitive (PS) CoverStrip to be bonded to VersiFlex PVC or KEE HP membranes. Low-VOC PVC Step 1 Activator meets the < 250 gpl VOC content requirements of the OTC Model Rule. It is specially formulated using a blend of VOC-exempt and non-exempt solvents and follows the state of California Clean Air Act of 1988 (updated in 1997) as further regulated by California's Air Quality Control Districts listing VOC limitations.
- H. **VersiFlex Low-VOC PVC Step 2 Primer:** A high-solids-content, polymer based splice primer. This product is applied to KEE HP and PVC membranes to improve the adhesion of PVC Pressure-Sensitive Cover Strip. Low-VOC PVC Step 2 Primer meets the < 250 gpl VOC content requirements of the OTC Model Rule.
- I. **VersiFlex PVC Step 2 Primer:** A high-solids-content, clear (translucent color), polymer-based splice primer used to prepare KEE HP and PVC membranes to be bonded to PVC Pressure-Sensitive Cover Strip.

## 2.06 METAL EDGING AND MEMBRANE TERMINATIONS

- A. (Core Supply or Versico Metal only)
  - 1. **VersiTrim One Fascia:** A snap-on edge system consisting of a 20 gauge retainer bar, corrosion resistant fasteners and a 24 gauge or 0.040 aluminum Kynar finished fascia cover. A spring clip holds the fascia cover in place. Available in sizes up to 8" fascia height 12' long. Metal fascia color shall be designated by the Owner's Representative. ANSI/SPRI ES-1 Certified.
- B. **Termination Bar:** a 1" wide and .098" thick extruded aluminum bar pre-punched 6" on center; incorporates a sealant ledge to support Lap Sealant and provide increased stability for membrane terminations.

## 2.07 WALKWAYS

Protective surfacing for roof traffic shall be VersiFlex PVC Walkway Rolls installed per manufacturer's requirements or concrete pavers loose laid over an approved slip sheet (pavers not recommended for slopes greater than 2" in 12").

## PART 3 EXECUTION

### 3.01 GENERAL

- A. Comply with the manufacturer's published instructions for the installation of the membrane roofing system including proper substrate preparation, job site considerations and weather restrictions.
- B. Position sheets to accommodate contours of the roof deck and shingle splices to avoid bucking water.

### 3.02 INSULATION PLACEMENT AND ATTACHMENT

- A. 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 horizontally and vertically if multiple layers are provided.
- B. Secure insulation to the substrate with the required mechanical fasteners or insulation adhesive Flexible DASH Adhesive in accordance with the manufacturer's specifications.

### 3.03 MEMBRANE PLACEMENT AND ATTACHMENT

- A. Position VersiFlex membrane over the acceptable substrate. Fold membrane sheet back onto itself so half the underside of the membrane is exposed.

- B. Apply Bonding Adhesive in accordance with the manufacturer's published instructions, to the exposed underside of the membrane and the corresponding substrate area. Do not apply Bonding Adhesive along the splice edge of the membrane to be hot air welded over the adjoining sheet. Allow the adhesive to dry until it is tacky but will not string or stick to a dry finger touch.
  - 1. Roll the coated membrane into the coated substrate while avoiding wrinkles. Brush down the bonded section of the membrane sheet immediately after rolling the membrane into the adhesive with a soft bristle push broom to achieve maximum contact.
  - 2. Fold back the unbonded half of the sheet and repeat the bonding procedures.
- C. Position adjoining sheets to allow a minimum overlap of 2 inches to provide a minimum 1-1/2" hot air weld.
- D. Continue to install adjoining membrane sheets in the same manner, overlapping edges a minimum of 2 inches and complete the bonding procedures as stated previously.

### 3.04 MEMBRANE HOT AIR WELDING PROCEDURES

- A. Heat weld the VersiFlex membrane using an Automatic Heat Welding Machine or Hot Air Hand Welder in accordance with the manufacturer's specifications. At all splice intersections, roll the seam with a silicone roller immediately after the welder causes the membrane step off to ensure a continuous hot air welded seam.
 

**Note: When using 80-mil thick membrane, all splice intersections shall be overlaid with VersiFlex T Joint Covers.**
- B. Probe all seams once the hot air welds have thoroughly cooled (approximately 30 minutes).
- C. Repair all seam deficiencies the same day they are discovered.
- D. Apply Cut Edge Sealant on all cut edges of reinforced membrane (where the scrim reinforcement is exposed) after seam probing is complete. Cut Edge Sealant is **not required** on horizontal or vertical splices.

### 3.05 FLASHING

- A. Flashing of parapets, curbs, expansion joints and other parts of the roof must be performed using VersiFlex reinforced membrane. VersiFlex non-reinforced membrane can be used for flashing pipe penetrations, Sealant Pockets, and scuppers, as well as inside and outside corners, when the use of pre-molded accessories is not feasible.
- B. Follow manufacturer's typical flashing procedures for all wall, curb, and penetration flashing including metal edging/coping and roof drain applications.

### 3.06 WALKWAYS

- A. Install walkways at all traffic concentration points (such as roof hatches, access doors, rooftop ladders, etc.) and all locations as identified on the specifier's drawing.

### 3.07 DAILY SEAL

- A. On phased roofing, when the completion of flashings and terminations is not achieved by the end of the work day, a daily seal must be performed to temporarily close the membrane to prevent water infiltration.
- B. Complete an acceptable membrane seal in accordance with the manufacturer's requirements.

### **3.08 CLEAN UP**

- A. Perform daily clean up to collect all wrappings, empty containers, paper, and other debris from the project site. Upon completion, all debris must be disposed of in a legally acceptable manner.
- B. Prior to the manufacturer's inspection for warranty, the applicator must perform a pre-inspection to review all work and to verify all flashing has been completed as well as the application of all caulking.

### **3.09 Asphalt Shingles**

#### **SUMMARY OF WORK - DHS – Shingle Roof Areas**

- A. Contractor to remove the existing asphalt shingles down to the roof deck.
- B. Roof deck is to be repaired or replaced as necessary with like material and provide a per square foot price for replacement
- C. Furnish and install ice and water shield over the eaves and valley's. Generic underlayment to be used everywhere else
- D. Furnish and install new Certainteed Landmark Pro shingles.
- E. Furnish and install new hip and ridge ventilation per manufacturers recommendation
- F. Furnish and install new gutter, roof to gutter flashing transitions, downspouts, elbow, and necessary accessories pertaining to the gutter system.
- G. Install new metal valley's throughout
- H. Match the existing exit ventilation system with new

**END OF SPECIFICATION**