SCOPe OF WORK

The following repairs shall be performed in accordance with the drawings and project documents as a whole. Work of this nature shall include, but not be limited to, the following:

1.0 LUMP SUM WORK ITEMS

1.1 Coordinate site staging, provisions, protection, and measures, and supervise with owner. Provide contractor access to each roof area in contact, view, or inspection. Coordinate with surrounding companies. Price shall include, but not be limited to, the following:

1.1.2 Provide a means of preventing unauthorized access to the roof areas

1.2 Paint existing exposed structural roof deck, metal, and structural components. Price shall include, but not be limited to, the following:

1.2.1 Painting shall be performed after all demarcations

1.3 Install new dormers and dormer framing. Price shall include, but not be limited to, the following:

1.4 Paint existing dormer framing, roof deck, and metal structural components. Price shall include, but not be limited to, the following:

1.5 Install new doorways. Price shall include, but not be limited to, the following:

1.6 Install new windows. Price shall include, but not be limited to, the following:

1.7 Install new skylights. Price shall include, but not be limited to, the following:

1.8 Install new skylights, dormers, and dormer framing. Price shall include, but not be limited to, the following:

1.9 Install new roof deck, roof deck framing, and metal structural components. Price shall include, but not be limited to, the following:

1.10 Paint existing dormer framing, roof deck, and structural components. Price shall include, but not be limited to, the following:

1.11 Paint existing roof deck, roof deck framing, and metal structural components. Price shall include, but not be limited to, the following:

1.12 Paint existing roof deck, roof deck framing, and structural components. Price shall include, but not be limited to, the following:

1.13 Paint existing dormer framing, roof deck, and structural components. Price shall include, but not be limited to, the following:

1.14 Paint existing dormer framing, roof deck, and structural components. Price shall include, but not be limited to, the following:

2.0 ESTIMATED QUANTITY UNIT PRICE REPAIR ITEMS

2.1 The estimated quantities and unit prices are based on the drawings and specifications in the project documents. Variations in the extent of the work to be performed as indicated in the drawings and specifications and the project documents may result in an adjustment of the estimated quantities and prices.

2.2 These quantities and unit prices are based on the average conditions on the site. These quantities and unit prices shall not be increased for any conditions arising from the work as a result of changes in the extent of the work or from any conditions arising from the work.

2.3 The estimated unit prices are based on the average conditions on the site. These quantities and unit prices shall not be increased for any conditions arising from the work as a result of changes in the extent of the work or from any conditions arising from the work.
1. The Contractor shall perform and complete the work in accordance with the approved plans, specifications, and any other written instructions, and shall comply with the applicable laws, regulations, and codes.

2. The Contractor shall supply the owner with safety data sheets for all hazardous materials used in the work.

3. The Contractor shall perform all work in a safe and professional manner, and shall comply with all applicable laws, regulations, and codes.

4. The Contractor shall furnish all necessary permits prior to starting the work.

5. The work of the Project consists of furnishing all items, materials, or methods listed, or indicated in these drawings, including all labor, materials, equipment, and services required for the completion of the work.

6. The Contractor shall provide all scaffolding, overhead protection, shoring, bracing, and sheeting required for safety or proper execution of the work.

7. The Contractor shall secure all necessary permits prior to starting the work.

8. The Contractor shall provide the owner with safety data sheets (SDS) for each chemical mentioned, or indicated in these drawings, including all labor, materials, equipment, and services.

9. The Contractor shall notify the architect/engineer immediately of any discrepancies between those mentioned, or indicated in these drawings.

10. The Contractor shall perform all work in accordance with the applicable requirements of the applicable laws, regulations, and codes.

11. The Contractor shall assume full responsibility for the protection and safekeeping of all equipment and materials on the job site.

12. The Contractor shall provide all necessary safety measures and controls to ensure a safe work environment.

13. The Contractor shall furnish all necessary permits prior to starting the work.

14. The Contractor shall perform all work in a safe and professional manner, and shall comply with all applicable laws, regulations, and codes.

15. The Contractor shall furnish all necessary permits prior to starting the work.

16. The Contractor shall provide all scaffolding, overhead protection, shoring, bracing, and sheeting required for safety or proper execution of the work.

17. The Contractor shall secure all necessary permits prior to starting the work.

18. The Contractor shall provide the owner with safety data sheets (SDS) for each chemical mentioned, or indicated in these drawings, including all labor, materials, equipment, and services.

19. The Contractor shall notify the architect/engineer immediately of any discrepancies between those mentioned, or indicated in these drawings.

20. The Contractor shall perform all work in accordance with the applicable requirements of the applicable laws, regulations, and codes.

21. The Contractor shall assume full responsibility for the protection and safekeeping of all equipment and materials on the job site.

22. The Contractor shall provide all necessary safety measures and controls to ensure a safe work environment.

23. The Contractor shall furnish all necessary permits prior to starting the work.

24. The Contractor shall perform all work in a safe and professional manner, and shall comply with all applicable laws, regulations, and codes.

25. The Contractor shall assume full responsibility for the protection and safekeeping of all equipment and materials on the job site.

26. The Contractor shall provide all necessary safety measures and controls to ensure a safe work environment.

27. The Contractor shall furnish all necessary permits prior to starting the work.

28. The Contractor shall perform all work in a safe and professional manner, and shall comply with all applicable laws, regulations, and codes.

29. The Contractor shall assume full responsibility for the protection and safekeeping of all equipment and materials on the job site.

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32. The Contractor shall perform all work in a safe and professional manner, and shall comply with all applicable laws, regulations, and codes.

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36. The Contractor shall perform all work in a safe and professional manner, and shall comply with all applicable laws, regulations, and codes.

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44. The Contractor shall perform all work in a safe and professional manner, and shall comply with all applicable laws, regulations, and codes.

45. The Contractor shall assume full responsibility for the protection and safekeeping of all equipment and materials on the job site.

46. The Contractor shall provide all necessary safety measures and controls to ensure a safe work environment.
1. IMPACT RESISTANCE: PERFORMANCE TESTING FOR IMPACT RESISTANCE SHALL BE IN ACCORDANCE WITH FM 4450, FM REQUIREMENTS FOR FM-SH (SEVERE HAIL), ASTM D3746, OR CGSB 37-GP 56M.

2. INSTALLER'S INSTALLATION PERSONNEL (SUPERVISOR AND INSTALLERS), AT THE PROJECT, AND SHALL COVER THE FOLLOWING:

   a. FLORIDA DBPR PRODUCT APPROVAL
   b. ROOF COVERING LAYERS, LAPS, JOINTS, SLOPES, THICKNESSES, CRICKETS AND SADDLES; INCLUDING FASTENING
   c. DRAWINGS AND SPECIFICATIONS DO NOT NECESSARILY INDICATE OR DESCRIBE TOTAL WORK REQUIRED FOR NATIONAL ROOFING CONTRACTORS ASSOCIATION (NRCA) “THE NRCA ROOFING MANUAL: MEMBRANE ROOF SYSTEMS” OBSERVATIONS, EVALUATIONS, AND PROBLEM DIAGNOSTICS. SALES REPRESENTATIVES ARE NOT ACCEPTABLE.
   d. SYSTEMS SIMILAR TO TYPE AND SCOPE REQUIRED FOR THIS PROJECT, AND IS NOT PERFORMING ACTUAL INSTALLATION SUPERVISION: INSTALLER SHALL MAINTAIN A FULL-TIME SUPERVISOR/FOREMAN FOR EACH MAJOR AREA OF WORK, WHOSE DUTIES INCLUDE:
   e. PROVIDE PRODUCT BY ONE OF THE MANUFACTURERS LISTED. IF NOT LISTED, SUBMIT AS SUBSTITUTION FOR OWNER SEALER BY ENGINEER LICENSED IN STATE OF PROJECT.

3. EMERGENCY PROVISIONS: MAINTAIN ON SEE, EQUIPMENT NECESSARY TO APPLY EMERGENCY TEMPORARY EDGE SEAL IN OPTION B - ASPHALT LAMINATED DIMENSIONAL SHINGLES:

   a. PLUMBING VENT STACKS AND OTHER ROOF PENETRATIONS TO AVOID LOCATING FLASHING BOOTS OVER METAL PANEL FABRICATE INTERIOR AND EXTERIOR CORNERS, INTERSECTIONS, AND COMPLEX FLASHING CONDITIONS IN THE SHOP, PROFILE: 5V-CRIMP STYLE METAL PANELS WITH 24" EXPOSURE WIDTH AND 1/2" RIBS
   b. DIMENSION LUMBER: SOUTHERN PINE, NO. 2 OR BETTER, KILN-DRIED AFTER TREATMENT TO MAXIMUM MOISTURE CONTRACTION TO AVOID BUCKLING OR FULLNESS IN THE METAL AFTER IT IS INSTALLED. FORM MATERIALS TO SHAPE
   c. PREFINISHED ALUMINUM METAL FLASHINGS: ASTM B202 (UNS ALLOY DESIGNATION A93003-H14 OR A933004-H34) ALUMINUM
   d. FORM METAL FLASHINGS IN SHOP ON A BENDING BRAKE. DO SHAPING, TRIMMING AND HAND SEAMING ON THE BENCH
   e. INSTALL WORK TO FIT SUBSTRATES WITH LAPS, JOINTS, AND SEAMS THAT WILL BE PERMANENTLY WATERTIGHT AND INSTALL FIRST AND REMAINING COURSES OF ASPHALT SHINGLES STAIR-STEPPING DIAGONALLY ACROSS ROOF DECK WITH OPEN LAPS AND ALL OTHER DEFICIENCIES.
   f. CLEAN INSTALLED NEW ROOF COVERINGS IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS TO PROVIDE WEATHERTIGHT EPDM FLASHING FOR PIPE- AND CONDUIT-PENETRATING PANELS.
   g. INSTALL ROOFING AND COMPONENTS ACCORDING TO ROOFING MANUFACTURER'S INSTRUCTIONS, APPROVED MANUFACTURER'S FIELD SERVICE:
   h. INSTALL STARTER STRIP ALONG RAKE EDGE.

4. MAINTENANCE AND INSPECTIONS:

   a. PERFORMANCE TESTING FOR IMPACT RESISTANCE SHALL BE IN ACCORDANCE WITH FM 4450, FM REQUIREMENTS FOR FM-SH (SEVERE HAIL), ASTM D3746, OR CGSB 37-GP 56M.
   b. INSTALL WORK TO FIT SUBSTRATES WITH LAPS, JOINTS, AND SEAMS THAT WILL BE PERMANENTLY WATERTIGHT AND INSTALL FIRST AND REMAINING COURSES OF ASPHALT SHINGLES STAIR-STEPPING DIAGONALLY ACROSS ROOF DECK WITH OPEN LAPS AND ALL OTHER DEFICIENCIES.
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5. TESTING AND INSPECTION:

   a. PERFORMANCE TESTING FOR IMPACT RESISTANCE SHALL BE IN ACCORDANCE WITH FM 4450, FM REQUIREMENTS FOR FM-SH (SEVERE HAIL), ASTM D3746, OR CGSB 37-GP 56M.
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10. INSTALL STARTER STRIP ALONG RAKE EDGE.

11. PROVIDE PRODUCT BY ONE OF THE MANUFACTURERS LISTED. IF NOT LISTED, SUBMIT AS SUBSTITUTION FOR OWNER SEALER BY ENGINEER LICENSED IN STATE OF PROJECT.

12. EMERGENCY PROVISIONS: MAINTAIN ON SEE, EQUIPMENT NECESSARY TO APPLY EMERGENCY TEMPORARY EDGE SEAL IN OPTION B - ASPHALT LAMINATED DIMENSIONAL SHINGLES:

   a. PLUMBING VENT STACKS AND OTHER ROOF PENETRATIONS TO AVOID LOCATING FLASHING BOOTS OVER METAL PANEL FABRICATE INTERIOR AND EXTERIOR CORNERS, INTERSECTIONS, AND COMPLEX FLASHING CONDITIONS IN THE SHOP, PROFILE: 5V-CRIMP STYLE METAL PANELS WITH 24" EXPOSURE WIDTH AND 1/2" RIBS
   b. DIMENSION LUMBER: SOUTHERN PINE, NO. 2 OR BETTER, KILN-DRIED AFTER TREATMENT TO MAXIMUM MOISTURE CONTRACTION TO AVOID BUCKLING OR FULLNESS IN THE METAL AFTER IT IS INSTALLED. FORM MATERIALS TO SHAPE
   c. PREFINISHED ALUMINUM METAL FLASHINGS: ASTM B202 (UNS ALLOY DESIGNATION A93003-H14 OR A93304-H34) ALUMINUM
   d. FORM METAL FLASHINGS IN SHOP ON A BENDING BRAKE. DO SHAPING, TRIMMING AND HAND SEAMING ON THE BENCH
   e. INSTALL WORK TO FIT SUBSTRATES WITH LAPS, JOINTS, AND SEAMS THAT WILL BE PERMANENTLY WATERTIGHT AND INSTALL FIRST AND REMAINING COURSES OF ASPHALT SHINGLES STAIR-STEPPING DIAGONALLY ACROSS ROOF DECK WITH OPEN LAPS AND ALL OTHER DEFICIENCIES.
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   g. INSTALL ROOFING AND COMPONENTS ACCORDING TO ROOFING MANUFACTURER'S INSTRUCTIONS, APPROVED MANUFACTURER'S FIELD SERVICE:
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   e. INSTALL STARTER STRIP ALONG RAKE EDGE.

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   a. PERFORMANCE TESTING FOR IMPACT RESISTANCE SHALL BE IN ACCORDANCE WITH FM 4450, FM REQUIREMENTS FOR FM-SH (SEVERE HAIL), ASTM D3746, OR CGSB 37-GP 56M.
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15. PERFORMANCE TESTING FOR IMPACT RESISTANCE SHALL BE IN ACCORDANCE WITH FM 4450, FM REQUIREMENTS FOR FM-SH (SEVERE HAIL), ASTM D3746, OR CGSB 37-GP 56M.

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17. CLEAN INSTALLED NEW ROOF COVERINGS IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS TO PROVIDE WEATHERTIGHT EPDM FLASHING FOR PIPE- AND CONDUIT-PENETRATING PANELS.

18. INSTALL ROOFING AND COMPONENTS ACCORDING TO ROOFING MANUFACTURER'S INSTRUCTIONS, APPROVED MANUFACTURER'S FIELD SERVICE:

19. INSTALL STARTER STRIP ALONG RAKE EDGE.
A. Property site plan depicted herein is based on original construction drawings and available aerial imagery, and shall be considered approximate.

B. Contractor shall visit the site of the proposed work and become fully acquainted with the existing conditions relating to the construction and labor, the facilities involved, the difficulties, restrictions, and logical extensions of the scope associated with the performance of the contract.

C. Contractor shall leave and protect elements that are to remain intact and undisturbed. The contractor shall remove signs, electrical fixtures and miscellaneous surface mounted elements as necessary to complete the work. Upon completion of the work, contractor shall restore and reinstall signs, electrical fixtures and miscellaneous surface elements to their original condition.

D. Contractor shall be responsible for any portions of the building and/or surrounding landscaping that are damaged as a result of performance of the repair work. Any such damage shall be reported to the owner and architect/engineer prior to repairing damage.

E. Contractor shall provide protective barriers, fences, walkway enclosures, etc. to ensure the safety of pedestrians, building occupants, vehicular traffic, site features, etc. as approved by the owner and in accordance with the requirements of local authorities. Submit traffic control and pedestrian safety plan (complete with signs, sign materials, sign messages, sign locations and flow reconfiguration pattern) for approval prior to start of repairs. Plan must be approved by owner prior to start of repairs.
FRAMING AND DECKING TO INSTALL DETERIORATED DECKING IN-KIND:

- REMOVE (E) VALLEY SADDLE

DECK AT 8" O.C. STAGGERED. BENT PLATE. FASTEN TO ROOF (N) 12 GA. HOT-DIP-GALVANIZED SADDLE, SLOPE 1:12 TO ENDS.

STEEL STUDS 3 24'-8"± 1:12

CORNER CUT. TO AVOID RIBS AT CUT WITH ROUNDED MIN.

INSTALL NEW 12" WIDE X 36" LONG PRECAST CONCRETE SPLASH BLOCKS IF MISSING OR UNSOUND. INSPECT ATTIC SPACE TO ENSURE INSULATION INSTALLED AND THAT ALL ENDS/ELBOWS, AND SPACED AT 6'-0" MAX.

EXISTING CONCRETE MASONRY WALLS WITH STRAPS LOCATED 2'-0" MAX FULLY-ADHERED UNDERLAYMENT MEMBRANE, NEW SADDLE FRAMING FASTENED TO PLATE-CONNECTED 2X LUMBER TRUSSES SPACED AT 24"

REMOVE EXISTING MEMBRANE ROOF COVERING AND SADDLE SHEATHING AND FRAMING. EXPOSE AND INSPECT EXISTING STRUCTURAL PLYWOOD ROOF DECK TO REMAIN. REPAIR AS NEEDED. INSTALL NEW FULLY-ADHERED UNDERLAYMENT MEMBRANE AND ROOF COVERING (PENETRATIONS ARE NOT SHOWN ON ROOF PLANS)

INSTALLATION.

NEW CONTINUOUS EAVE VENT.

WE ARE NOT RESPONSIBLE FOR RIGHT HAND DRAWING DIRECTION; REVERSE LEFT HAND DRAWING DIRECTION.

EXISTING RIBS KEEP INTERIOR VENTS AT RESIDENTIAL BUILDINGS AND EXPOSED ADDITIONS AT COMMERCIAL BUILDINGS.

EXISTING ROSINS KEEP VISIBILITY AT ATTIC FLOOR INSULATION AS MIRRORS

INSTALL LAY OF WEA AT LOW PRESSURE CONCRETE SPLASH BLOCK AT SPADE ROOF RAND FOR BUILDING WALLS

INSTALL 1" LAYER OF 1" MINIMUM THICKNESS AT TERMINAL CORNER CUT-FACE AT ATTIC ENTRY DECK TO COLLECT STORMWATER FROM ROOF VALLEY.

DATE: 5/2/2022

OAK MARSH LLC
P.O. Box 343529
Florida City, FL 33034

2449 Sanders Pine Circle
Immokalee, FL 34142

www.wje.com

ENGINEERS
ARCHITECTS
SCIENTISTS

ENLARGED ROOF PLANS

ROOF REPLACEMENT
SANDERS PINES
2449 Sanders Pine Circle
Immokalee, FL 34142
Vented Ridge

1. Lay out metal roof panels into roof area.
2. Apply flashings, trim, and other metal components as necessary.
3. Contain and secure metal components to roof structure.
4. Reinforce metal components at junctions.

Non-Vented Ridge

1. Ensure proper installation of metal components.
2. Secure metal components to non-vented ridge cap metal flashing.
3. Reinforce metal components at junctions.

Rake Edge

1. Install metal components at rake edge.
2. Secure metal components to underlying structure.
3. Reinforce metal components at junctions.

Leave with Gutter

1. Install metal components at gutter locations.
2. Secure metal components to underlying structure.
3. Reinforce metal components at junctions.

Pipe Penetration

1. Ensure proper installation of metal components.
2. Secure metal components to underlying structure.
3. Reinforce metal components at junctions.

Admin Building - Entry Roof Headwall

1. Install metal components at headwall locations.
2. Secure metal components to underlying structure.
3. Reinforce metal components at junctions.

Admin Building - Entry Roof Sidewall

1. Install metal components at sidewall locations.
2. Secure metal components to underlying structure.
3. Reinforce metal components at junctions.

Note: At admin building only. Smith Field is shown in isometric view.
Proposed (N) Steep-Slope Roof Assembly

**Slope Transition at Valley Saddle**

**ZONE 3 Fastener Layout**

- Option A: Metal Panel
- Option B: Asphalt Shingles

**Proposed (N) Steep-Slope Roof Assembly**

- Option A: Metal Panel

**Valley Saddle Wall Base Flashing**

- Option A: Metal Panel

**Valley Drainage Scupper Schematic**

- Option A: Metal Panel

**Details**

- Option A: Metal Panel

**Sander Pines**

- Oak Marsh LLC

*Project:* BID Set

*Date:* 10 May 2022

*Sheet:* R502