



ST. TAMMANY PARISH

MICHAEL B. COOPER
PARISH PRESIDENT

May 29, 2024

Please find the following addendum to the below-mentioned **BID**.

Addendum No.: 1

Quote#: 24-21-2

Project Name: Tyler Street Roof

Bid Due Date: Tuesday, July 2, 2024

GENERAL INFORMATION:

1. Replace Section 01 Table of Contents with Section 01 Table of Contents REVISED-1(attached)
2. ADD Section 13 Project Specifications (attached)

ATTACHMENTS:

1. Section 01 Table of Contents – Revised-1.pdf
2. Section 13 Project Specifications.pdf

End of Addendum # 1

Section 01

Table of Contents-REVISED-1

Section 01	Table of Contents
Section 02	Instructions to Bidders
Section 03	Summary of Work
Section 04	LA Uniform Public Work Bid Form Unit Price Form
Section 05	Affidavits, Louisiana (Pursuant to LSA-R.S. 38:2224, 38:2227 and 38:2212.10)
Section 06	Insurance Requirements
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Section 02

Version 2024 Q1

620 NORTH TYLER STREET
FLUID APPLIED ROOFING RESTORATION

PART 1 GENERAL

1.1 SYSTEM DESCRIPTION

- A. Metal Surface Roof Restoration: Renovation work includes:
- A. Replace any missing or loose fasteners. Use one size larger with neoprene washer.
 - B. Wire brush any visible rust off roof surface.
 - C. Prime all areas where rust was removed with Rust-Go Primer, or equivalent, at .25gal per square.
 - D. Replace or repair any rusted through panels with like kind.
 - E. Pressure wash entire roof surface using 10% mix of Simple Green, or equivalent, with water to remove any loose dirt.
 - F. Any previously repaired areas that have an asphalt or oil-based repair, sand blasting the area may be required.
 - G. Contractor shall replace all rubber boots with new. Contractor shall fill existing holes with Seam Sealer trowel grade (TG), or equivalent, and then install new boot, one size large. Contractor shall install a bead of Tuff Stuff MS, or equivalent, under the new boot ring prior to installing fasteners for a water tight seal.
 - H. On all cracks and seams more than 1/64" wide and less than 1/8" wide must be filled and sealed with CPR Seam Sealer brush grade (BG), or equivalent. Openings and joints wider than 1/8" should be covered with Grip Polyester Soft, or equivalent, and CPR Seam Sealer TG, or equivalent. Allow the CPR Seam Sealers, or equivalent, to dry 24-48 hours before application of the CPR Base Coat, or equivalent.
 - I. Seam Sealer BG, or equivalent, must be applied at a rate of .67gal/sq.
 - J. Seam Sealer TG, or equivalent, must be applied at a rate of 1gal/14ln.ft at 8" wide pass at 1/4" thick. If seams or joints are larger than 1/8" wide, Grip Polyester Soft, or Uni-Bond, or equivalent, must be applied.
 - K. All horizontal seams must be covered with Seam Sealer TG, or equivalent, and Grip Polyester Soft, or Uni-Bond, or equivalent.
 - L. Repair valleys by using a tapered piece of valley metal approximately 12 inches long. Pop rivets will be used to fasten valley metal. CPR coating, or equivalent, should be applied prior to reinstalling through fasteners. Apply seam sealer over fastener once installed.
 - M. Repair all eaves where rusted by installing a new panel, approximately 18" long over the existing panel. Pop rivet into the field panel, and strip in using Unibond ST Tape, or equivalent, and Seam Sealer TG, or equivalent.
 - N. Allow Seam Sealer, or equivalent, to dry 24-48hrs before applying base coat.
 - O. Install CPR Base coat, or equivalent, at a rate of 1.5gal/sq.
 - P. Allow CPR Base coat, or equivalent, to dry for 24 hrs.
 - Q. Apply CPR Top coat, or equivalent, at a rate of 1.5gal/sq.
 - R. Contractor shall provide an alternate to replace all gutters and downspouts.
 - S. Contractor to provide 2 Year Warranty.
 - T. Manufacturer to provide 10 Year Warranty.
- U. See plans and details for complete scope of work

1.2 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C. Shop Drawings: Submit shop drawings including installation details of fluid applied roofing and flashing prior to job start.
- D. Verification Samples: For each product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, and color.
- E. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
- F. Closeout Submittals: Provide manufacturer's maintenance instructions that include recommendations for periodic inspection and maintenance of all completed roofing work. Provide product warranty executed by the manufacturer. Assist Owner in preparation and submittal of roof installation acceptance certification as may be necessary in connection with fire and extended coverage insurance on roofing and associated work.

1.3 QUALITY ASSURANCE

- A. Perform Work in accordance with manufacturer's current Application and Installation Guidelines and the NRCA Roofing and Waterproofing Manual.
- B. Manufacturer Qualifications: Manufacturer: Company specializing in manufacturing products specified in this section with documented ISO 9001 certification and minimum twelve years experience.
- C. Installer Qualifications: Company specializing in performing Work of this section with minimum five years documented experience and a certified Pre-Approved Contractor.
- D. Installer's Field Supervision: Maintain a full-time Supervisor/Foreman on job site during all phases of roofing work while roofing work is in progress.
- E. Product Certification: Provide manufacturer's certification that materials are manufactured in the United States and conform to requirements specified herein, are chemically and physically compatible with each other, and are suitable for inclusion within the total roof system specified herein.
- F. Source Limitations: Obtain all components of roof system from a single manufacturer. Secondary products that are required shall be recommended and approved in writing by the roofing system Manufacturer. Upon request of the Owner, submit Manufacturer's written approval of secondary components in list form, signed by an authorized agent of the Manufacturer.

1.4 PRE-INSTALLATION CONFERENCE

- A. Convene a pre-roofing conference approximately two weeks before scheduled commencement of roofing system installation and associated work.
- B. Require attendance of installers of deck or substrate construction to receive roofing, installers of rooftop units and other work in and around roofing which must precede or follow roofing work including mechanical work, Owner, roofing system manufacturer's representative.

C. Objectives include:

1. Review foreseeable methods and procedures related to roofing work, including set up and mobilization areas for stored material and work area.
2. Tour representative areas of roofing substrates, inspect and discuss condition of substrate, roof drains, curbs, penetrations and other preparatory work.
3. Review structural loading limitations of deck and inspect deck for loss of flatness and for required attachment.
4. Review roofing system requirements, Drawings, Specifications and other Contract Documents.
5. Review and finalize schedule related to roofing work and verify availability of materials, installer's personnel, equipment and facilities needed to make progress and avoid delays.
6. Review required inspection, testing, certifying procedures.
7. Review weather and forecasted weather conditions and procedures for coping with unfavorable conditions, including possibility of temporary roofing.
8. Record conference including decisions and agreements reached. Furnish a copy of records to each party attending.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store products in manufacturer's unopened packaging with labels intact until ready for installation.
- B. Store all roofing materials in a dry place, on pallets or raised platforms, out of direct exposure to the elements until time of application. Store materials at least 4 inches above ground level and covered with "breathable" tarpaulins.
- C. Stored in accordance with the instructions of the manufacturer prior to their application or installation. Store roll goods on end on a clean flat surface. No wet or damaged materials will be used in the application.
- D. Storage temperatures should be between 60 degrees F to 80 degrees F (15.6 degrees to 26.7 degrees C). Indoor ventilated storage is recommended. Ensure jobsite storage is in a shaded and ventilated area. Do not store in direct sunlight. Keep materials away from open flame or welding sparks.
- E. Avoid stockpiling of materials on roofs without first obtaining acceptance from the Owner.

1.6 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.
- B. Weather Condition Limitations: Product application must not be done when rain or other conditions such as fog or heavy dew are possible within a 24 hour period. Roof surface must be at least 6 Fahrenheit degrees or 3 Celsius degrees above the dew point and rising.
- C. Proceed with roofing work only when existing and forecasted weather conditions will permit unit of work to be installed in accordance with manufacturer's recommendations and warranty requirements.
- D. Do not expose materials vulnerable to water or sun damage in quantities greater than can be weatherproofed during same day.
- E. When applying materials with spray equipment, take precautions to prevent over spray from damaging or defacing surrounding walls, building surfaces, vehicles or other property. Care should be taken to do the following:
 1. Close air intakes into the building.

2. Have a dry chemical fire extinguisher available at the jobsite.
 3. Post and enforce "No Smoking" signs.
- F. Avoid inhaling spray mist; take precautions to ensure adequate ventilation.
- G. Protect completed roof sections from foot traffic for a period of at least 48 hours at 75 degrees F (24 degrees C) and 50 percent relative humidity or until fully cured.
- H. Take precautions to ensure that materials do not freeze.
- I. Minimum temperature for application for most products is 40 degrees F (4 degrees C) and rising for solvent based materials and 50 degrees F (10 degrees C) and rising for water based.

1.7 WARRANTY

- A. Warranty Period: 10 years.
1. Upon completion of the work, provide the Manufacturer's written and signed limited labor and materials Warranty, warranting that, if a leak develops in the roof during the term of this warranty, due either to defective material or defective workmanship by the installing contractor, the manufacturer shall provide the Owner, at the Manufacturer's expense, with the labor and material necessary to return the defective area to a watertight condition.
- B. Warranty Period: Installer is to guarantee all work against defects in materials and workmanship for a period indicated following final acceptance of the Work.
1. Warranty Period:
 - a. 2 years from date of acceptance.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Garland Company, Inc. (The); 3800 E. 91st St., Cleveland, OH 44105. ASD. Toll Free: 800-321-9336. Phone: 216-641-7500. Fax: 216-641-0633. Web Site: <http://www.garlandco.com>.
1. Or Equivalent Manufacturer.
- B. Qualifications: Adhesion test results of all potential fluid-applied systems must be equal to or greater than 13lbs/sq inch.
- C. The Products specified are intended and the Standard of Quality for the products required for this project.
- D. Primers:
1. Rust-Go Metal Primer (or equivalent):
 - a. Flash Point: 40 degrees F (4.4 degrees C) min
 - b. Solids by Weight: 69.9% plus/minus 2.0%
 - c. Solids by Volume: 52.5% plus/minus 2.0%
 - d. Viscosity @ 77 degrees F (25 degrees C): 70 plus/minus 5 KU
- E. Reinforcement:
1. UniBond ST (or equivalent): Fatigue resistant, polyester-faced adhesive tape.
 - a. Tensile Strength 4500 psi.
 - b. Elongation, 500%
 - c. Low Temperature Flexibility, -70 degrees F (-56.6 degrees C).
 - d. Service Temperature, -30 to 200 degrees F (-34.4 to 93.3 degrees C).
 - e. Permeance ASTM 96b, .001 perms.
 - f. Adhesion Greater than 20 lbs./in.
- F. Coatings:
1. Coating: CPR White (or equivalent): Highly reflective multi- purpose, single-component solvent based SEBS, liquid waterproofing membrane.

- a. Tensile Strength: ASTM D 412, 200 psi
 - b. Elongation: ASTM D 412, 200%
 - c. Density @ 77 degrees F (25 degrees C, ASTM D 1475) 9.0 lb./gal
 - d. Flash Point: ASTM D 93, 105 degrees F min. (40.6 degrees C)
 - e. Non-Volatile: ASTM D 1644, Typical 75%
 - f. VOC: 430 g/l
 - g. Reflectance: 0.77
 - h. Emittance: 0.86
 - i. SRI: 95
2. Coating: CPR Base Coat (or equivalent): Multi- purpose, single-component solvent based SEBS, liquid waterproofing membrane.
- a. Tensile Strength: ASTM D 412, 200 psi
 - b. Elongation: ASTM D 412, 200%
 - c. Density @ 77 degrees F (25 degrees C, ASTM D 1475) 9.0 lb./gal
 - d. Flash Point: ASTM D 93, 105 degrees F min. (40.6 degrees C)
 - e. Non-Volatile: ASTM D 1644, Typical 75%
 - f. VOC: 400 g/l

G. Liquid Flashings

1. Coating: CPR Seam Sealer BG (or equivalent): Brush grade multi- purpose, single-component solvent based SEBS, liquid waterproofing sealer for details on a metal roof system.
- a. Tensile Strength: ASTM D 412, 200 psi
 - b. Elongation: ASTM D 412, 200%
 - c. Density @ 77 degrees F (25 degrees C). ASTM D 1475 9.12 lb./gal
 - d. Flash Point: ASTM D 93, 105 degrees F min. (40.6 degrees C)
 - e. Non-Volatile: ASTM D 1644, Typical 75%
 - f. VOC: 420 g/l
2. Coating: CPR Seam Sealer TG (or equivalent): Trowel grade multi- purpose, single-component solvent based SEBS, liquid waterproofing sealer for details on a metal roof system.
- a. Tensile Strength: ASTM D 412, 600 psi
 - b. Elongation: ASTM D 412, 400%
 - c. Density @ 77 degrees F (25 degrees C, ASTM D 1475) 8.9 lb./gal
 - d. Flash Point: ASTM D 93, 105 degrees F min. (40.6 degrees C)
 - e. Non-Volatile: ASTM D 1644, Typical 60%
 - f. VOC: 300 g/l

2.2 METAL SURFACE ROOF RESTORATION

- A. CPR (or equivalent):
 - A. Base: CPR Base Coat (white), or equivalent
 - B. Coating: CPR Top Coat (gray), or equivalent
 - C. Flashing: CPR Seam Sealer BG (or equivalent) on seams, penetrations and fasteners.
 - D. Reinforcement: Partial reinforcement on metal panel seams only.
 - a. UniBond ST (or equivalent)

2.3 ACCESSORIES:

- A. Roof Insulation: In accordance with Section 07220.
- B. Nails and Fasteners: Non-ferrous metal or galvanized steel, except that hard copper nails shall be used with copper; aluminum or stainless steel nails shall be used with aluminum; and stainless steel nails shall be used with stainless steel, Fasteners shall be self-clinching type of penetrating type as recommended by the deck manufacturer. Fasten nails and fasteners flush-driven through flat metal discs not less than 1 inch (25 mm) diameter. Omit metal discs when one-piece composite nails or fasteners with heads not less than 1 inch (25 mm) diameter are used.
- C. Butyl Tape: 100% solids, asbestos free and compressive tape designed to seal as recommended and furnished by the membrane manufacturer.
- D. Non-Shrink Grout: GarRock, or equivalent, all-weather fast setting chemical action concrete material to fill pitch pans.
 - 1. Flexural Strength, ASTM C 78: (modified) 7 days 1100psi
 - 2. High Strength, ASTM C 109: (modified) 24 days 8400lbs (3810kg)
- E. Pitch Pocket Sealer - Universal Pitch-Pocket Sealer: Two-part, 100% solids, self-leveling, polyurethane sealant.

2.4 EDGE TREATMENT AND ROOF PENETRATION FLASHINGS

- A. Flashing Boot - Rubbertite Flashing Boot (or equivalent): Neoprene pipe boot for sealing single or multiple pipe penetrations adhered in approved adhesives as recommended and furnished by the membrane manufacturer.
- B. Vents and Breathers: Heavy gauge aluminum and fully insulated vent that allows moisture and air to escape but not enter the roof system as recommended and furnished by the membrane manufacturer.
- C. Pitch pans, Rain Collar 24 gauge stainless or 20oz (567gram) copper. All joints should be welded/soldered watertight. See details for design.
- D. Drain Flashing should be 4lb (1.8kg) sheet lead formed and rolled.
- E. Plumbing stacks should be 4lb (1.8kg) sheet lead formed and rolled.
- F. Fabricated Flashing: Fabricated flashings and trim are specified in Section 07620. 1. Fabricated flashings and trim shall conform to the detail requirements of SMACNA "Architectural Sheet Metal Manual" and/or the CDA Copper Development Association "Copper in Architecture - Handbook" as applicable.
- G. Manufactured Roof Specialties: Manufactured copings, fascia, gravel stops, control joints, expansion joints, joint covers and related flashings and trim are specified in Section 07710.
 - 1. Manufactured roof specialties shall conform to the detail requirements of SMACNA "Architectural Sheet Metal Manual" and/or the NRCA "Roofing and Waterproofing Manual" as applicable.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. Verify that work penetrating the roof deck, or which may otherwise affect the roofing, has been properly completed.
- C. If substrate preparation is the responsibility of another installer, notify Owner of unsatisfactory preparation before proceeding.

3.2 ROOF PREPARATION AND REPAIR

- A. General: All necessary field and flashing repairs must be done according to good construction practices, including the removal of all wet insulation and defective materials as identified through a moisture detection survey such as an infrared scan and replacement with like-materials.
 - 1. Remove damaged roof flashings from curbs and parapet walls down to the surface of the roof. Remove damaged existing flashings at roof drains and roof penetrations.
 - 2. Existing roof surfaces shall be primed as necessary and allowed to dry prior to installing the roofing system.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Repair all defects such as deteriorated roof decks, saturated materials, loose or brittle membrane or membrane flashings, etc. Verify that existing conditions meet the following requirements:
 - 1. Existing membrane is either fully adhered or that the membranes mechanical fasteners are secured and functional.
 - 2. Application of roofing materials over a brittle, damaged or poor condition roof membrane is not permitted.
- D. Remove all loose dirt and foreign debris from the roof surface. Do not damage roof membrane in cleaning process.
- E. Clean and seal all parapet walls, gutters and coping caps, and repair any damaged metal where necessary. Seal watertight all fasteners, pipes, drains, vents, joints and penetrations where water could enter the building envelope.
- F. Confirm local water run-off ordinances and restrictions prior to cleaning roof. Clean the entire roof surface by removing all dirt, algae, mold, moss, paint, oil, talc, rust or other foreign substance. Use a bio-degradable cleaner like Simple Green Oxy Solve, or equivalent, when necessary and warm water. Scrub heavily soiled areas with a brush. Power wash roof thoroughly with an industrial surface cleaner equipped with one piece balanced spray rotating jets for streak free close contact cleaning. Rinse with fresh water to completely remove all residuals. Allow roof to dry thoroughly before continuing.
- G. Repair existing roof membrane as necessary to provide a sound substrate for the liquid membrane. All surface defects must be repaired/renovated and be made watertight. Any repairs must be done only with materials compatible with the fluid-applied roofing restoration system.
- H. Power washing of metal roof surfaces to remove all loose rust or scale is mandatory before application. Use a high-volume air broom or compressed air to remove residual dust rust perforations, etc. Deteriorated metal roof decks must be repaired or replaced prior to the application of the coating system.

3.3 INSTALLATION

A. General Installation Requirements:

1. Install in accordance with manufacturer's current Application and Installation Guidelines and the NRCA Roofing and Waterproofing Manual.
2. Adequate coating thickness is essential to performance. If the applicator is unfamiliar in gauging application rates, we suggest that a controllable area be measured and the specified material be applied. In all cases, all minimum specified material must be applied and proper minimum dry film thicknesses must be achieved. Care must be taken to ensure that all areas completed including all flashings, roof penetrations, etc. are coated sufficiently to ensure a watertight seal.
3. Cooperate with manufacturer, inspection and test agencies engaged or required to perform services in connection with installing the roof system.
4. Insurance/Code Compliance: Where required by code, install and test the roofing system to comply with governing regulation and specified insurance requirements.
5. Protect work from spillage of roofing materials and prevent materials from entering or clogging drains and conductors. Replace or restore adjacent work damaged by installation of the roofing system.
6. All primers must be top coated within 24 hours after application, preferably immediately after drying. Clean and re-prime if more time passes after priming.
7. Coordinate counter flashing, cap flashings, expansion joints and similar work with work specified in other Sections under Related Work.
8. Coordinate roof accessories and miscellaneous sheet metal accessory items, including piping vents and other devices with work specified in other Sections under Related Work.

B. Metal Surface Roof Restoration: Renovation work includes:

1. Surface Preparation: Remove loose flaking rust, dust, dirt, debris, secure all gaped panels and replace all loose fasteners with next size larger.
 - a. Remove rust by the most rigorous method suitable for the particular project and as approved by Manufacturer.
 - b. Tighten all fasteners and verify that neoprene washers are in place.
 - c. Replace missing fasteners using oversize fasteners as necessary.
 - d. Seal all fastener heads by applying a heavy dab of compatible sealant to the tops and around of all fastener heads.
 - e. Repair gaps, holes and joints in the metal roof with appropriate patching materials.
 - f. Completely remove existing seam coatings, mastics and sealants.
 - g. Ensure skylights, scuppers, gutters, penetrations and structures are firmly secured, watertight and in good working condition.
 - h. Where necessary, install water deflecting crickets behind rooftop mechanical units.
 - i. All roof areas must promote positive drainage.
2. Flashing: Repair/Replace metal flashings, pitch pockets, etc.
3. Primer:
 - a. Spot prime surfaces with Rust-Go Primer, or equivalent rust inhibitive primer over properly prepped rusted areas only at 1/4 gallon per 100 SF.
4. Reinforcement: Treatment of field seams and around penetrations:
 - a. Application of UniBond ST seam tape, or equivalent, with CPR Seam Sealer, or equivalent, on metal panel end laps, flashings and around penetrations.
 - 1) Verify that the surface to be coated is properly prepared.
 - 2) Remove the clear release liner from the back in workable sections
 - 3) Center 6 inch wide UniBond ST, or equivalent, over the middle of the lap.
 - 4) Use care to install the tape uniformly. Do not stretch or cause air pockets, wrinkles or fishmouths.
 - 5) Apply pressure to tape starting at the center and work toward outside edge with a steel roller to activate the bonding process.
 - 6) Inspect the tape to ensure that it is properly installed. Verify edges are

tightly fixed to surface. If any discrepancies are present, repair before the coating is applied.

- 7) Saturate the tape with seam sealer BG, or equivalent.
- b. Application of CPR Base Coat, or equivalent, on uncrimped metal panel side laps:
 - 1) Verify that the surface to be coated is properly prepared.
 - 2) Restore the surface to a suitable condition if roof surface becomes contaminated with dirt, dust or other materials that will interfere with adhesion of the coatings.
 - 3) Apply materials at specified dry film thickness.
 - 4) Apply Base Coat at minimum 6 inch wide stripes over all seams, flashings and around penetrations at 2.0 gallons per 100 SF.
 - 5) Use fabric reinforcement when panels are gapped and cannot be drawn tightly together.
 - 6) Allow to dry for a minimum of 24 hours before applying finish coats.
 - 7) On vertical surfaces to achieve proper application rate cut your application into two coats to avoid sagging.
5. Coating: Ensure the fluid-applied coverage rates are obtained throughout the entire roof surface.
 - a. Material: Apply CPR Gray, or equivalent, in a uniform manner at 1.5 gallons per 100 SF over the entire roof surface. Allow to cure thoroughly, but no more than 72 hours. Apply a top coating over base coat at 1.5 gallons per 100 SF.
 - b. Use special attention to coating flashings and other critical areas to build adequate membrane thickness.
 - c. Use multiple coats on verticals or steep slopes to prevent sagging.
 - d. Apply to minimum recommended membrane thickness over the entire roof surface.

3.4 REPAIR OF EDGE TREATMENT AND ROOF PENETRATION FLASHING

A. General

1. Repair flashing in accordance with the requirements/recommendations of the Membrane manufacturer and as indicated on the manufacturer's standard drawings. Provide system with base flashing, edge flashing, penetration flashing, counter flashing, and all other flashings required for a complete watertight system.
2. Install and repair flashings concurrently with the roofing as the job progresses.
3. Terminate flashings as required by the membrane manufacturer.

B. Manufactured Roof Specialties: Manufactured copings, fascia, gravel stops, control joints, expansion joints, joint covers and related flashings and trim are provided as specified in Section 07710.

1. Manufactured roof specialties shall conform to the detail requirements of SMACNA "Architectural Sheet Metal Manual" and/or the National Roofing Contractor's Association "Roofing and Waterproofing Manual" as applicable.

3.5 CLEANING

- A. Clean-up and remove daily from the site all wrappings, empty containers, paper, loose particles and other debris resulting from these operations.
- B. Remove coating markings from finished surfaces.
- C. Repair or replace defaced or disfigured finishes caused by Work of this section. 3.6

PROTECTION

- A. Provide traffic ways, erect barriers, fences, guards, rails, enclosures, chutes and the like to protect personnel, roofs and structures, vehicles and utilities.

- B. Protect exposed surfaces of finished walls with tarps to prevent damage.
- C. Plywood for traffic ways required for material movement over existing roofs shall be not less than 5/8 inch (16 mm) thick.
- D. In addition to the plywood listed above, an underlayment of minimum 1/2 inch (13 mm) recovery board is required on new roofing.

3.7 FIELD QUALITY CONTROL

- A. **Project Management** All on site project management duties by the roof system manufacturer must be completed by an actual employee of the manufacturer and may not be subcontracted to an outside source. For example: consultants, product representatives, dealers, etc. are not acceptable. The manufacturer's project manager must complete the following duties:
 - a. Conduct an additional preconstruction meeting with the owner, architect, roofing contractor, sheet metal contractor in order to lay out all expectations and requirements of the project. This shall be completed by the roofing manufacturer at least two weeks prior to start of the project. Provide 3 onsite inspections per week during construction to insure proper application of the roof system by the roofing contractor. Utilize the inspection form located at the end of this section of the specification which is to be filled out and emailed to the management and architects after each inspection.
 - b. Take photographic record of all conditions as related to the work during the three weekly inspections and include them with the Manufacturer's Inspection Form.
 - c. Perform a final walk of all roof areas prior to installation of the aluminum coated surfacing.
 - d. The inspections are to continue throughout the duration of the construction progress including the sheet metal installation.
 - e. Perform a final inspection of all roof surfaces including low slope, copings & counter-flashings once the project is 100% complete by the roofing contractor.
 - f. Create a separate punch list for the owner on all roofing / metal related issues that need to be corrected in order to complete the project.
 - g. Provide a final letter of completion to the owner upon completion of the project. The letter must clearly explain that all of the work was conducted according to the manufacturer's warranty requirements
 - h. The new roof systems as related to the 2024 roof replacement shall be inspected twice per year by the roof system manufacturer throughout the entire length of the warranty. The inspections will be followed by a Report to the Facility Manager as to the condition of the roof and any recommendations as to maintenance. The inspections are to be performed at no charge to the owner.

3.8 FINAL INSPECTION

- a. At completion of roofing installation and associated work, meet with Contractor, Owner, installer, installer of associated work, roofing system manufacturer's representative and others directly concerned with performance of roofing system.
- b. Walk roof surface areas, inspect perimeter building edges as well as flashing of roof penetrations, walls, curbs and other equipment. Identify all items requiring correction or completion and furnish copy of list to each party in attendance.
- c. If core cuts verify the presence of damp or wet materials, the installer shall be required to replace the damaged areas at his own expense.
- d. Repair or replace deteriorated or defective work found at time above inspection as required to produce an installation that is free of damage and deterioration at time of Substantial

Completion and according to warranty requirements.

- e. Notify Owner upon completion of corrections.
- f. Following the final inspection, provide written notice of acceptance of the installation from the roofing system manufacturer.

END OF SECTION