ADDENDUM NO. 1

TO: PLANS AND SPECIFICATIONS FOR STATE OF MISSOURI

REPAIRS TO EXTERIOR FACADE
LANDERS STATE OFFICE BUILDING
149 PARK CENTRAL SQUARE
SPRINGFIELD, MISSOURI 65806
PROJECT NO. O1920-01

Bid Opening Date is: 1:30 PM, Thursday, December 1, 2022 (Not Changed)

Bidders are hereby informed that the Construction Plans and/or Specifications are modified as follows:

PROJECT MANUAL CHANGES:

1. **Section 00 01 10 – Table of Contents**
   a. **ADD** Section 09 96 53 – Elastomeric Coatings (attached).

2. **Section 00 11 16 – Invitation to Bid**

   a. Subsection 7.0.A: **ADD** Point of Contact as follows:

      A. Designer: Buddy Webb & Company, Rachel Vering, Project Architect, 417-877-1385, email: rachel1@webbarch.com.

   b. Subsection 7.0.B: **ADD** Point of Contact as follows:

      B. Agency Project / Facility Manager, Roger Barnett, 417-895-6314, email: roger.barnett@oa.mo.gov.

3. **Section 01 10 00 – Summary of Work**

   a. Subsection 1.4.A: **REVISE** as follows:
      A. The Work will be conducted in single (1) phase. Work shall be substantially complete, ready for occupancy within **Two Hundred Sixty (260) Days** from Notice to Proceed.

4. **Section 07 27 26 – Fluid Applied Weather Barriers**

   a. Subsection 2.01.B.3: **ADD** Carlisle Coatings & Waterproofing “Barritech VP” as an acceptable Manufacturer and product.

5. **Appendix A – Information Available to Bidders**

   a. Subsection 1: **ADD** subsection as follows:

      c. Existing Building Roofing Warranty and contractor information provided for reference only. Project O1409-01 ROOFING SYSTEM DESCRIPTION (Form MO 300-1409) (attached).

DRAWING CHANGES:

1. Drawings A- 201, A-202, A-203 and A-204:

a. GENERAL NOTES: **REVISE** as follows:

F. (ALTERNATE NO. 2) SOUTH AND EAST EXISTING BUILDING EXTERIOR FAÇADE SURFACES TO BE CLEANED. AT MASONRY MATERIAL SUBSTRATES PROVIDE (2) COATS WATER REPELLENTS COMPATIBLE WITH MATERIALS. AT FIBER CEMENT BOARD AND EXTERIOR INSULATION FINISH SYSTEM (EIFS) MATERIAL SUBSTRATES PROVIDE (1) COAT COLORED ELASTOMERIC COATING COMPATIBLE WITH MATERIALS.

G. (ALTERNATE NO. 3) NORTH AND WEST EXISTING BUILDING EXTERIOR FAÇADE SURFACES TO BE CLEANED. AT MASONRY MATERIAL SUBSTRATES PROVIDE (2) COATS WATER REPELLENTS COMPATIBLE WITH MATERIALS. AT FIBER CEMENT BOARD AND EXTERIOR INSULATION FINISH SYSTEM (EIFS) MATERIAL SUBSTRATES PROVIDE (1) COAT COLORED ELASTOMERIC COATING COMPATIBLE WITH MATERIALS.

b. KEY NOTES: **REVISE** Key Note No. 4 as follows:

4. (ALTERNATE NO. 1) AREA TO REPAIR EXISTING DAMAGED OR CRACKED TERRA COTTA SURFACES. MATCH EXISTING TERRA COTTA FINISH.

GENERAL

1. Pre-Bid Meeting was conducted on November 15, 2022 at 10:00 am at Landers State Office building. Copy of Attendance Record is provided for information only (attached).

November 23, 2022

END ADDENDUM NO.1

SECTION 09 96 53

ELASTOMERIC COATINGS

PART 1 - GENERAL

1.01 SUMMARY

A. Provide elastomeric coating systems over exterior concrete, stucco, masonry, and exterior insulation finish systems (EIFS), complete.

1.02 SUBMITTALS

A. Comply with Section 01 33 00.

B. Product Data: Submit manufacturer’s product data for each coating, including generic description, complete technical date, surface preparation, installation procedures and maintenance information.

C. Samples: Submit 12"x12" minimum manufacturer’s standard samples showing full range of color and texture to be selected by Architect.

D. Manufacturer’s Certification: Submit manufacturer’s quality assurance certification.

E. Manufacturer’s Reports: Submit manufacturer’s testing, inspection and field reports.

F. Installer Certification: Submit manufacturer’s certification of Installers qualifications.

G. Warranty: Submit manufacturer’s standard warranty.

H. Mock-Ups: Prepare 10'x10' mock-up for each coating system specified using same materials, tools, equipment, and procedures intended for actual surface preparation and application. Obtain Architect’s approval of mock-ups.

1.03 QUALITY ASSURANCE

A. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for five years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.

B. Standards:
   1. ASTM E96: Test Method for Water Vapor Transmission of Materials.
   2. ASTM G26: Practice for Operating Light Exposure Apparatus (Xenon-Arc Type) With and Without Water for Exposure of Non Metallic Materials.
   3. ASTM C661: Test Method for Indentation Hardness of Elastomeric-Type Sealants by Means of a Durometer.
   4. ASTM B117: Test Method of Salt Spray (Fog) Testing.
   5. ASTM D610: Method for Evaluating Degree of Rusting on Painted Steel Surfaces.
   6. ASTM D522: Test Method for Mandrel Bend Test of Attached Organic Coatings.
   7. ASTM D660: Test Method for Evaluating Degree of Checking of Exterior Paints.
   8. ASTM D661: Test Method for Evaluating Degree of Cracking of Exterior Paints.
   9. ASTM D662: Test Method for Evaluating Degree of Erosion of Exterior Paints.
   10. ASTM D714: Test Method for Evaluating Degree of Blistering of Paints.
   11. ASTM D4260: Standard Practice For Acid Etching Concrete.

12. ASTM D4258: Standard Practice For Surface Cleaning Concrete For Coating.
13. ASTM D4259: Standard Practice For Abrading Concrete.
14. ASTM D2794: Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact).
15. ASTM D4214: Test Method for Evaluating Degree of Chalking of Exterior Paint Films.
16. ASTM D2370: Test Methods for Tensile Properties of Organic Coatings.
17. Fed Spec TT-C-555-B Wind Driven Rain
18. Definitions: Dry Film Thickness (DTF): Thickness of a coating of paint in fully cured state measured in mils (1/1000).

C. Manufacturer's Quality Assurance: Materials shall be manufactured at a facility covered by a current ISO 9001 and ISO 140001 current certifications. Certification of the facility shall be conducted by a registrar accredited by the American National Standards Institute, Registrar Accreditation Board (ANSI-RAB). Provide certification that coatings comply with specified requirements and are suitable for intended application. Manufacturer shall provide technical assistance, conduct inspections, and provide field reports prior, during, and after installation documenting condition and completed work.

D. Installer Qualifications: Certificated by manufacturer and experienced in application of specified coatings for a minimum of Five years on projects of similar size and complexity. Employ persons trained for application of specified coatings.

E. Preapplication Meeting: Convene a preapplication meeting within Four (4) weeks prior to installation of substrate construction. Require attendance of parties directly affecting Work of this Section, including Contractor, Architect, Installer, and Manufacturer's representative.

PART 2 - PRODUCTS

2.01 PERFORMANCE REQUIREMENTS

A. Elastomeric coating system shall meet or exceed the following test:
1. Water Vapor Transmission (ASTM E 96 Water Method) - 15 perms at 10 mils dry film thickness.
2. Accelerated Weathering (ASTM G 26 Test Method 1, BH Apparatus). After 3,000 hours exposure, the coating shall exhibit as a minimum:
   a. Chalking index of 9 per ASTM D4214 Method B.
   b. Checking index of 10 per ASTM D660.
   c. Cracking index of 10 per ASTM D661.
   d. Blistering index of 10 per ASTM D714.
   e. Erosion index of 9 per ASTM D662.
   f. Rusting index of 10 per ASTM D610.
3. Salt Spray (Fog) Resistance (ASTM B117). After 500 hours exposure, the coating shall exhibit as a minimum:
   a. Chalking index of 10 per ASTM D4214 Method B.
   b. Checking index of 10 per ASTM D660.
   c. Cracking index of 10 per ASTM D661.
   d. Blistering index of 10 per ASTM D714.
   e. Erosion index of 10 per ASTM D662.
   f. Rusting index of 10 per ASTM D610.
4. Hardness (ASTM C661) Type A Shore Durometer; 69.5 @ 20 mils DFT.
5. Impact Resistance (ASTM D2794); 98 in-lbs.
6. Resistance to Wind Driven Rain (Federal Test Method TT-C-555B) – Passes.
7. Low-Temperature Flexibility; 1/8 in (3.2 mm) diameter mandrel at -30 °F (-34 °C). No cracking or adhesion loss (Evaluated per ASTM D522).
8. Tensile Properties (ASTM D2370):
   a. Tensile Strength - 100 psi @ 77 °F (25 °C) 488 psi @ - 0 °F (18 °C).

b. Elongation - 77% @ 77 °F (25 °C) 123% @ -0 °F (18 °C).

2.02 MATERIALS

A. Manufacturers:
1. Dryvit “Weatherlast”.
2. Sto “StoColor Lastic”.
3. Master Builders “MasterProtect EL 850 Series”.
4. Sherwin-Williams “Conflex Sherlastic Series”.
5. Tnemec “Series 156”.
6. Equivalent products by Benjamin Moore, Dow Chemical Company, Concrete Sealants (ConSeal), and Mapie, are acceptable.

B. Elastomeric Coatings:
1. General: All products shall be from single source manufacturer compatible with project conditions meeting or exceeding performance requirements specified.
2. Elastomeric Coating: Pigmentated nontextured 100% acrylic based coating utilizing an elastomeric binder.
3. Primer Coating: Pigmentated acrylic emulsion of type as recommended by manufacturer for project conditions.
4. Colors and Textures: As selected by Architect from manufacturer’s standard samples.
5. Coating System Total DFT: 11 mills minimum.

C. Accessory Materials:
1. Water: Clean and potable.
2. Patching Material: Elastomeric adhesive or compounds recommended by elastomeric coating manufacturer and compatible with project conditions.

PART 3 - EXECUTION

3.01 GENERAL

A. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction and with uniform appearance. Coordinate with work of other sections.

B. Field Quality Control: Manufacturer’s representative shall provide technical assistance, recommend testing requirements, assisting in inspections for surface preparation, and assisting in inspections of application of coating systems and submit the following:
1. Verify coatings and other materials are as specified. Document delivered product packing, handling, storage, labels, batch or lot numbers, date of manufacturer, mixing and thinning instructions.
2. Verify surface preparation and application are as specified.
3. Verify DFT of each coat and total DFT of each coating system are as specified using wet film and dry film gauges.
4. Coating Defects: Check coatings for film characteristics or defects that would adversely affect performance or appearance of coating systems.
5. Report: Submit written reports describing inspections made and actions taken to correct nonconforming work. Report nonconforming work not corrected. Submit copies of reports to Architect and Contractor.

3.02 ENVIRONMENTAL REQUIREMENTS

A. Weather:

1. Ambient Air and Surface Temperatures: Verify temperature ranges are in accordance with manufacturer's recommendations and are to remain within requirements for recommended period thereafter.
2. Relative Humidity: Prepare surfaces apply and cure coatings within relative humidity range in accordance with manufacturer's instructions and are to remain within requirements for recommended period thereafter.
3. Precipitation: Do not prepare surfaces or apply coatings in rain, snow, fog, or mist.
4. Wind: Do not spray coatings if wind velocity is above manufacturer's limit.

B. Ventilation: Provide ventilation during coating evaporation stage in confined or enclosed areas in accordance with manufacturer's instructions.

C. Dust and Contaminations:
1. Schedule coating work to avoid excessive dust and airborne contaminates.
2. Protect work areas from excessive dust and airborne contaminates during coating application and curing.

3.03 EXAMINATION

A. Examine areas and conditions under which coatings systems are to be applied. Notify Architect of areas or conditions not acceptable. Do not proceed with work until unsatisfactory conditions are corrected.

3.04 SUBSTRATE PREPARATION

A. Coated Substrates:
1. Ensure surfaces are clean, dry, and free of oil, grease, dirt, dust, and other contaminants.
2. Loose, delaminated or spalled areas shall be repaired with appropriate procedures and materials compatible with the substrate conditions.

B. Noncoated Substrates:
1. Ensure surfaces are clean, dry, and free of oil, grease, dirt, dust, and other contaminants.
2. Loose, delaminated or spalled areas shall be repaired with appropriate procedures and materials compatible with the substrate conditions.
3. Concrete shall cure a minimum of 28 days prior to application of coating.
4. Surfaces shall be primed to match final color.
5. Cracks shall be treated.
6. Sills shall receive a liberal coat of compatible brush grade patching compound.
7. Parapets. Treat top and back of parapets in the same manner as exterior walls, terminating at roof counter flashing. Recaulking to roof flashing may be required. Use an appropriate high grade urethane sealant and allow to cure to application of compatible brush grade patch compound.
8. Terminations and Juncture of Dissimilar Materials: Caulk as necessary using compatible high grade urethane sealant and allow to cure prior to application of compatible brush grade patch compound.

C. New Construction Substrates:
1. Stucco:
   a. Stucco shall be dry and fully cured for a minimum of 7 days prior to application of coatings.
   b. Clean stucco walls to ensure removal of dirt, dust, efflorescence or any other foreign matter which may interfere with bond of surface coating.
   c. Prime stucco surface with primer.

2. Masonry:
   a. Remove all fins, mortar droppings, etc. and ensure mortar joints are sound and free of cracks

or voids.

b. Surface should be clean, dry and free of dust, dirt, or other foreign matter which may interfere with bond of surface coating. Surfaces shall be cleaned in accordance with ASTM D4261.

c. Face of block shall be filled with a block filler or cementitious parge coat and allowed to dry.

3. Concrete (Precast, Tilt-up, Poured-in-Place):
   a. Concrete shall be allowed to cure a minimum of 28 days prior to application of coating.
   b. Surfaces shall be free of dirt, dust, form release agents, efflorescence, curing compounds, etc.
   c. Very smooth precast or poured-in-place concrete shall be cleaned by appropriate methods to ensure a proper bond of surface coatings. Methods shall conform to the following:
      1. ASTM D4260; Standard Practice for Acid Etching Concrete.
      2. ASTM D4258; Standard Practice for Surface Cleaning Concrete for Coating.
      3. ASTM D4259; Standard Practice for Abrading Concrete.
   d. Apply primer to concrete surface and allow to dry.

D. Cracks shall be treated as follows:
   1. Static cracks up to 1/32 in (.8 mm) can be bridged by elastomeric coating finishes without special treatment.
   2. Static cracks up to 1/8 in (3.2 mm) in width in concrete, CMU or stucco:
      a. Remove all loose material and clean the crack.
      b. Apply compatible patch compound directly over the crack and feather out a minimum of 4 in (102 mm) on each side.

E. Static cracks 1/8 inch to 1/4 inch (3.2 mm to 6.4 mm) wide in concrete, CMU, or stucco shall be treated as follows:
   1. Chip or grind out crack to a minimum 1/4 in (6.4 mm) wide by 1/4 in (6.4 mm) deep groove.
   2. Clean and remove all loose materials.
   3. Fill groove with compatible knife grade patch compound.
   4. Bridge crack with compatible brush grade patch compound. Apply at approximately 1/4 in (6.4 mm) thickness over the crack and feather out a minimum of 102 mm (4 in) on each side.

F. Static cracks over 1/4 inch (6.4 mm) wide in concrete, CMU, or stucco shall be treated as follows:
   1. Clean and remove all loose and unsound material from crack.
   2. Repair crack with non-shrinking cementitious patching mortar or cement plaster mix and allow to cure a minimum of 7 days.

G. Dynamic cracks 1/16 in to 1/2 in (1.6 mm to 12.7 mm) wide in concrete, CMU, or stucco shall be treated as follows:
   1. Chip or grind out the crack so that the width is equal to the depth, but not less than 1/4 in (6.4 mm).
   2. Clean and remove all loose material from crack.
   3. Fill the crack with a high grade urethane sealant. Tool into joint and allow to cure minimum 24 hours.
   4. Apply a coat of compatible brush grade patch compound over the crack and feather out to a minimum of 4 in (102 mm) on each side.

H. Prime patched surfaces with elastomeric acrylic primer.

I. Cracks in EIFS systems shall be repaired using procedures per EIFS manufacturer's recommendations.

J. EIFS surfaces shall be skimmed out with fill material per EIFS manufacturer's recommendations in

texture matching existing substrate conditions prior to application of elastomeric coating system.

3.05 ELASTOMERIC COATING APPLICATION

A. General:
1. The substrate and substrate preparation shall be inspected by the contractor to ensure it is in compliance with this specification.
2. Mix and thin coatings, including multi-component materials, in accordance with manufacturer's instructions.
3. No additives shall be added under any circumstances.
4. Do not use mixed coatings beyond pot life limits.
5. Use application tools, pressure settings, and techniques in accordance with manufacturer's instructions.
6. Apply coatings in accordance with manufacturer's instructions.
7. Elastomeric coating shall be applied to entire wall surface in a continuous application.
8. Uniformly apply coatings at spread rate required to achieve specified DFT.
9. Wall surfaces to be coated shall not be hot to the touch and the coating must be applied in the shade.
10. Apply coatings to be free of film characteristics or defects that would adversely affect performance or appearance of coating systems.

B. Compatible Patch Material:
1. Brush grade patching material shall be applied using a nylon brush to the required thickness.
2. Knife grade patching material shall be applied using a putty knife or spatula to the required thickness.

C. Primer:
1. Shall be applied to recommended coating thickness by brush, roller or airless spray equipment.
2. A maximum 3/4 in (19 mm) nap polyester or polyester blend with nylon or lamb's wool, beveled ends and phenolic core is recommended.
3. A 18 in (457 mm) wide roller frame with 2 1/4 in (57 mm) inside diameter roller is recommended.
4. Apply in a continuous application, maintaining a wet edge, to a natural break.

D. Elastomeric Coating:
1. Brush Application:
   a. Recommended only for cutting in and trim, not for entire wall elevation.
   b. Nylon bristle brush is recommended.
   c. For waterproofing performance, a minimum 11 mils dry film thickness (22 mils wet film thickness), shall be applied.

2. Roller Application:
   a. Minimum 10 in (254 mm) wide roller cover with 1 1/4 in - 1 1/2 in (32 mm – 38 mm) nap is recommended.
   b. Completely saturate the roller cover and keep the roller loaded with coating to avoid foaming. Do not dry-roll or over-roll as this will cause excessive entrapment of air within the coating.
   c. For waterproofing performance, a minimum 11 mils dry film thickness (22 mils wet film thickness), shall be applied.

3. Spray Application:
   a. Application by airless spray equipment or mastic pump and gun allows application of coating at total required application rate with a minimum of stipple or thickness variations.
   b. Equipment should have the capacity to pump minimum of 2 gal (7.6 L) of coating per minute.

c. Material hose should be minimum 1/2 in (12.7 mm) I.D. for spraying coating more than a 50 ft (15.2 m) length. Minimum bursting of 800 lbs (360 kg) is recommended.
d. Tip orifice sizes of .021- 032 will be required depending on equipment used.
e. Cross apply coating holding spray gun perpendicular to, and approximately three feet from the surface. Avoid excessive material build-up by holding spray gun away from the wall when pulling the trigger, then bringing gun across area to be coated. Maintain a wet edge, and avoid starting and stopping in the middle of the wall. Do not attempt to overreach spray pattern as this may result in appearance of irregular spray pattern. Place scaffolding and equipment to facilitate quick application without numerous interruptions.
f. A 10% loss from overspray should be anticipated.
g. Backrolling over sprayed areas is recommended to control pinholing on spray applications over porous surfaces.
h. All sprayed applications must be free of pinholes to insure waterproofing performance.
i. For waterproofing performance, a minimum 11 mils dry film thickness (22 mils wet film thickness), shall be applied.

3.06 REPAIR

A. Damaged Coatings: Touch-up or repair damaged coatings. Touch-up of minor damage shall be acceptable where result is not visibly different from adjacent surfaces. Recoat entire surface where touch-up result is visibly different, either in sheen, texture, or color.

B. Coating Defects: Repair in accordance with manufacturer's instructions coatings that exhibit film characteristics or defects that would adversely affect performance or appearance of coating systems.

3.07 CLEANING AND PROTECTION

A. Remove temporary coverings and protection of surrounding areas and surfaces.

B. Protect surfaces of coating systems from damage during construction.

END OF SECTION

STATE OF MISSOURI
OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

ROOFING SYSTEM DESCRIPTION

PROJECT NUMBER: O1409-01

GENERAL INFORMATION

AGENCY NAME: Office of Administration				
AGENCY CODE: OA-01	FACILITY NUMBER: 05041	SITE NUMBER: 0005		
BUILDING NAME: Landers State Office Building				
BUILDING ADDRESS: 149 Park Central Square		CITY: Springfield	STATE: MO	ZIP CODE: 65806
DATE OF ROOF COMPLETION: 2/24/16	ROOF SLOPE: 1/4:12	ROOF AREA: 11,848 SF	ROOF HEIGHT (AGL): 3 & 10 Stories	
ROOF CONSULTANT: Buddy Webb & Company, Inc. - Architect		BUILDING USE: Offices		
ROOF ACCESS: Roof level hollow metal swing doors		ADMIN/INSPT: Tina Brown		
WARRANTY: 20 Year Mfg & 5 Year Installer		ROOF MANUFACTURER: Firestone		
ROOF INSTALLER: Dyllon Marsolf Construction 417-708-5355		GENERAL CONTRACTOR: Dyllon Marsolf Construction 417-708-5355		

COMPONENT	TYPE	COMMENTS
SURFACING RIVER GRAVEL, PEA GRAVEL, COATING, PAVERS, NONE	None	
MEMBRANE BUILT-UP, EDPM-FA, EDPM-B, EDPM-MF, METAL-SS, METAL-AR, SHINGLE, PVC, FOAM, OTHER	TPO	Single-ply, thermoplastic polyolefin (TPO), 60 mils, ASTM D4637, type I, reinforced, color white, fully adhered
INSULATION POLYSTYRENE, ISO BOARD, FIBERGLASS, FIBERBOARD, PERLITE, URETHANE, NONE, OTHER	ISO	Cover Board: High density rigid fiberglas reinforced, 1/2" thick Insulation: Polyisocyanurate, rigid, ASTM C1289, type II , LTTR R-Value 5.7
THICKNESS	5"	R-28 minimum base layer exclusive of taper insulation
ATTACHMENT	Mech./Adhered	Insulation fully adhered each layer and mechanically attached and fully adhered to substrate
VAPOR BARRIER KRAFT, FELT, ALUMINUM FOIL, POLY, PLASTIC, OTHER	None	
DECK STEEL, WOOD, GYPSUM (SLAB OR PLANK), LT. WT. CON., REG. CON., OTHER	Concrete	Upper level - poured in place concrete with light weight slope Lower level - poured in place concrete with light weight slope
STRUCTURAL SYS. STEEL JOIST, WOOD TRUSSES, CONCRETE, METAL PURLINS	Mix	Upper level - poured in place concrete post and beam Lower level - metal deck and steel bar joist

DESCRIPTION OF ROOF-TOP ACCESSORIES

Primary mechanical equipment (cooling tower / air handling units) installed on elevated structural system. Secondary mechanical equipment (1) condensing unit surface mounted on pre-fabricated movable pad. Exhaust fan equipment (1) mounted on roof curb. Plumbing vents (2) installed with pre-fabricated boots. Roof surface piping, conduits, and condensate lines installed on pre-fabricated floating supports. Water drainage by means of area roof drains thru deck and vertical piping system.

SPECIAL NOTE:
Lower roof: Insulation mechanically attached.
Upper roof: Insulation fully adhered and mechanically attached, except at main roof northeast quarter mechanically attached only.

RED SHIELD WARRANTY

RED SHIELD ROOFING SYSTEM LIMITED WARRANTY
STATE OF MISSOURI

Warranty No: RO089604 **FBPCO # EF2946** **Square Footage: 13806 s.f.**
Building Owner: STATE OF MISSOURI OFFICE OF ADMINISTRATION
Building Identification: LANDERS STATE OFFICE BUILDING
Building Address: 149 PARK CENTRAL SQ, SPRINGFIELD, MO. 65806-3103
Warranty Period Of: TWENTY (20) Years, Beginning On: 02/24/16
Roofing Contractor: DYLLON MARSOLF CONSTRUCTION (14536)

For the warranty period indicated above, Firestone Building Products Company, LLC ("Firestone"), an Indiana limited liability company, warrants to the Building Owner ("Owner") named above that Firestone will, subject to the Terms, Conditions and Limitations set forth below, repair any leak in the Firestone Roofing System ("System").

TERMS, CONDITIONS AND LIMITATIONS

1. **Products Covered.** The System shall mean only the Firestone brand roofing membranes, Firestone brand roofing insulations, Firestone brand roofing metal, and other Firestone brand roofing accessories when installed in accordance with Firestone technical specifications by a Firestone-licensed applicator.
2. **Notice.** In the event any leak should occur in the System, the Owner must give notice in writing or by telephone to Firestone within thirty (30) days of any occurrence of a leak. Written notice may be sent to Firestone at the street address or fax number shown on the reverse side of this Limited Warranty. Evidence of this notice shall be the receipt by Owner of a Firestone Leak Notification Acknowledgement. By so notifying Firestone, the Owner authorizes Firestone or its designee to investigate the cause of the leak.
3. **Investigation.** If upon investigation, Firestone determines that the leak is not excluded under the Terms, Conditions and Limitations set forth in this Red Shield Roofing System Limited Warranty (the "Limited Warranty"), the Owner's sole and exclusive remedy and Firestone's total liability shall be limited to the repair of the leak. Should the investigation reveal that the leak is excluded under the Terms, Conditions and Limitations, the Owner shall be responsible for payment of the investigation costs. Failure by Owner to pay for these costs shall render this Limited Warranty null and void. Firestone will advise the Owner of the type and/or extent of repairs required to be made at the Owner's expense that will permit this Limited Warranty to remain in effect for the unexpired portion of its term. Failure by the Owner to properly make these repairs in a reasonable manner using a Firestone-licensed applicator and within 60 days shall render this Limited Warranty null and void.
4. **No Dollar Limit (NDL).** There is no dollar limit placed on warranted leak repairs to the extent such repairs are covered by this Limited Warranty.
5. **Disputes.** Any dispute, controversy or claim between the Owner and Firestone concerning this Limited Warranty shall be settled by mediation. In the event that the Owner and Firestone do not resolve the dispute, controversy or claim in mediation, the Owner and Firestone agree that neither party will commence or prosecute any suit, proceeding, or claim other than in the Federal Courts in the state of Missouri. Each party irrevocably consents to the jurisdiction and venue of the above-identified courts.
6. **Payment Required.** Firestone shall have no obligation under this Limited Warranty unless and until Firestone and the licensed applicator have been paid in full for all materials, supplies, services, approved written change orders, warranty costs and other costs which are included in, or incidental to, the System. In the event that repairs not covered by this Limited Warranty are necessary in the future, Firestone reserves the right to suspend this Limited Warranty until such repairs have been completed and the licensed applicator and/or Firestone has been paid in full for such repairs.
7. **Exclusions.** Firestone shall have no obligation under this Limited Warranty, or any other liability, now or in the future if a leak or damage is caused by: (a) Natural forces, disasters, or acts of God including, but not limited to, fires, hurricanes, tornadoes, hail, wind-blown debris, lightning, earthquakes, volcanic activity, atomic radiation, insects or animals; (b) Winds of peak gust speed at or in excess of 90 MPH calculated at ten(10) meters above ground using available meteorological data;(c) Act(s), conduct or omission(s) by any person, or act(s) of war, terrorism or vandalism, which damage the System or which impair the System's ability to resist leaks; (d) Failure by the Owner to use reasonable care in maintaining the System, said maintenance to include, but not be limited to, those items listed on the reverse side of this Limited Warranty entitled "Building Envelope Care and Maintenance Guide"; (e) Deterioration or failure of building components, including, but not limited to, the roof substrate, walls, mortar, HVAC units, skylights etc.; (f) Construction generated moisture, condensation or infiltration of moisture in, from, through, or around the walls, copings, rooftop hardware or equipment, skylights, building structure or underlying or surrounding materials; (g) Acid, oil, harmful chemicals, or the reaction between them; (h) Alterations or repairs to the System that are not completed in accordance with Firestone's published specifications, not completed by an approved contractor, and/or not completed with proper notice to Firestone; (i) The design of the roofing system: Firestone does not undertake any analysis of the architecture or engineering required to evaluate what type of System is appropriate for a building and makes no warranty express or implied as to the suitability of its Products for any particular structure; such a determination is the responsibility of the architect, engineer or design professional; (j) Improper selection of materials for the roof assembly or the failure to accurately calculate wind uplift and/or roof loads;(k) Deterioration to metal roofing materials and accessories caused by marine salt water, atmosphere, or by regular spray of either salt or fresh water; or, (l) Change in building use or purpose.
8. **Transfer.** This Limited Warranty shall be transferable subject to Owner's payment of the current transfer fee set by Firestone.
9. **Term.** The term of this Limited Warranty shall be for the period set forth above and such term shall not be extended under any circumstances.
10. **Roof Access.** During the term of this Limited Warranty, Firestone's designated representative or employees shall have free access to the roof during regular business hours. In the event that roof access is limited due to security or other restrictions, Owner shall reimburse Firestone for all reasonable cost incurred during inspection and/or repair of the System that are due to delays associated with said restrictions. Owner shall be responsible for the damage caused by, removal and replacement of any overburdens, superstrata or overlays, either permanent or temporary, excluding accepted stone ballast or pavers, as necessary to expose the system for inspection and/or repair.
11. **Waiver.** Firestone's failure to enforce any of the terms or conditions stated herein shall not be construed as a waiver of such provision or of any other terms and conditions of this Limited Warranty.
12. **Governing Law.** This Limited Warranty shall be governed by and construed in accordance with the laws of the State of Missouri without regard to that State's rules on conflict of laws.
13. **Severability.** If any portion of this Limited Warranty is held by a court of competent jurisdiction to be invalid, void or unenforceable, the remaining provisions shall nevertheless continue in full force.

FIRESTONE DOES NOT WARRANT PRODUCTS INCORPORATED OR UTILIZED IN THIS INSTALLATION THAT WERE NOT FURNISHED BY FIRESTONE. FIRESTONE SPECIFICALLY DISCLAIMS LIABILITY UNDER ANY THEORY OF LAW ARISING OUT OF THE INSTALLATION OF, PERFORMANCE OF, OR DAMAGES SUSTAINED BY OR CAUSED BY, PRODUCTS NOT FURNISHED BY FIRESTONE.
THIS LIMITED WARRANTY SUPERSEDES AND IS IN LIEU OF ALL OTHER WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND FIRESTONE HEREBY DISCLAIMS ALL SUCH WARRANTIES. THIS LIMITED WARRANTY SHALL BE THE OWNER'S SOLE AND EXCLUSIVE REMEDY AGAINST FIRESTONE, AND FIRESTONE SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, SPECIAL, INCIDENTAL OR OTHER DAMAGES INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS OR DAMAGES TO THE BUILDING OR ITS CONTENTS OR THE ROOF DECK. THIS LIMITED WARRANTY CANNOT BE AMENDED, ALTERED OR MODIFIED IN ANY WAY EXCEPT IN WRITING SIGNED BY AN AUTHORIZED OFFICER OF FIRESTONE. NO OTHER PERSON HAS ANY AUTHORITY TO BIND FIRESTONE WITH ANY REPRESENTATION OR WARRANTY WHETHER ORAL OR WRITTEN.

FIRESTONE BUILDING PRODUCTS COMPANY, LLC
By: Chris Huettig

Authorized Signature: _____
Title: Director, Quality Building Services

071615

Firestone

BUILDING ENVELOPE CARE AND MAINTENANCE GUIDE
(For Red Shield Warranted Roofing Systems)

Congratulations on your purchase of a Firestone Roofing System! Your roof is a valuable asset that should be properly maintained. **Firestone Building Products recommends that all roofs and roofing systems receive periodic inspections and maintenance to ensure that they perform as designed.**

1. The roof should be inspected at least twice yearly and after any severe storms. A record of all inspection and maintenance activities should be maintained, including a listing of the date and time of each activity as well as the identification of the parties performing the activity.
2. Proper maintenance and good roofing practice require that ponded water (defined as water standing on the roof forty-eight hours after it stops raining) not be allowed on the roof. Roofs should have slope to drain, and all drain areas must remain clean. Bag and remove all debris from the roof since such debris can be quickly swept into drains by rain. This will allow for proper water run-off and avoid overloading the roof.
3. The Firestone Roofing System should not be exposed to acids, solvents, greases, oil, fats, chemicals and the like. If the Firestone Roofing System is in contact with any such materials, these contaminants should be removed immediately and any damaged areas should be inspected by a Firestone Licensed Applicator and repaired if necessary.
4. The Firestone Roofing System is designed to be a waterproofing membrane and not a traffic surface. Roof traffic other than periodic traffic to maintain rooftop equipment and conduct periodic inspections should be prohibited. In any areas where periodic roof traffic may be required to service rooftop equipment or to facilitate inspection of the roof, protective walkways should be installed by a Firestone Licensed Applicator as needed to protect the roof surface from damage.
5. Firestone recommends periodic maintenance for some roofing membranes:
   a) **Smooth-surfaced Firestone APP membranes** should be coated with an approved liquid coating, such as Firestone Aluminum Roof Coating or Firestone AcryliTop applied in accordance with Firestone specifications, in order to maximize the service life of the membrane. If this coating is not applied as part of the initial roofing installation, it should be applied within the first five years after the roof is installed to help protect the membrane from surface crazing and cracking. In addition, this coating should be maintained as needed to re-coat any areas that have blistered, peeled or worn through.
   b) **Granule-surfaced Firestone APP and SBS membranes** do not normally need surface maintenance other than periodic inspection for contaminants, cuts or punctures. If areas of granular loss are discovered during inspection, these areas should be coated with Firestone AcryliTop or other Firestone-approved coating applied in accordance with Firestone specifications.
   c) **Gravel-surfaced Firestone BUR membranes** do not normally need surface maintenance other than periodic inspection for contaminants or damage. If areas of gravel loss are discovered during inspection, gravel shall be reinstalled into hot asphalt to protect the surface of the membrane. Coatings on smooth surface BUR membranes shall be maintained as needed to re-coat any areas that have blistered, peeled or worn through.
   d) **Firestone EPDM and TPO roofing membranes** do not normally need surface maintenance other than periodic inspection for contaminants, cuts or punctures. Occasionally, approved liquid roof coatings, such as Firestone AcryliTop, are applied to the surface of EPDM membranes in order to provide a lighter surface color. Such coatings do not need to be maintained to assure the performance of the underlying EPDM roof membrane, but some maintenance and re-coating may be necessary in order to maintain a uniform surface appearance.
   e) **Firestone Una-Clad metal roofing panels and trim** do not normally need surface maintenance other than periodic inspection for contaminants or damage. In addition, periodic cleaning of the surface may be needed to remove dirt and maintain the aesthetic appearance of the coated metal. Simple washing with plain water using hoses or pressure spray equipment is usually adequate. If cleaning with agents other than water is contemplated, several precautions should be observed: (1) do not use wire brushes, abrasives, or similar cleaning tools which will mechanically abrade the coating surface, and (2) cleaning agents should be tested in an inconspicuous area before use on a large scale.
6. All metal work, including counter-flashings, drains, skylights, equipment curbs and supports, and other Firestone brand rooftop accessories should be properly maintained at all times. Particular attention should be paid to sealants at joints in metal work and flashings. If cracking or shrinkage is observed, the joint sealant should be removed and replaced with new sealant.
7. Any alterations to the roof, including but not limited to roof curbs, pipe penetrations, roof-mounted accessories, and tie-ins to building additions must be performed by a licensed Firestone Licensed Applicator and reported to Firestone. Additional information and reporting forms for roof alterations are available at www.firestonebpco.com.
8. Should you experience a leak:
   (a) Check for the obvious: clogged roof drains, loose counterflashings, broken skylights, open grills or vents, broken water pipes.
   (b) Note conditions resulting in leakage. Heavy or light rain, wind direction, temperature and time of day that the leak occurs are all-important clues to tracing roof leaks. Note whether the leak stops shortly after each rain or continues to drip until the roof is dry. If you are prepared with the facts, the diagnosis and repair of the leak can proceed more rapidly.
   (c) Contact Firestone Warranty Claims at 1-800-830-5612 as soon as possible...but please don't call until you are reasonably sure that the Firestone Roofing System is the cause of the leak.

Firestone feels that the preceding requirements will assist you, the building owner, in maintaining a watertight roof for many years. Your roof is an investment, and maintenance is essential to maximize your return on this important investment.

Firestone
BUILDING PRODUCTS
NOBODY COVERS YOU BETTER™
250 West 96th Street – Indianapolis, IN 46260
1-800-428-4442 * 1-317-575-7000 * FAX 1-317-575-7100
www.firestonebp.com

3.8 ROOFING INSTALLER'S WARRANTY

A. WHEREAS **Dyllon Marsolf Construction, LLC** of **4268 S. Hillcrest Ave, Ste 108, Springfield, MO 65810,** herein called the "Roofing Installer," has performed roofing and associated work ("work") on the following project:

1. Owner: **State of Missouri, Office of Administration**
2. Address: **Jefferson City, MO**
3. Building Name/Type: **Landers & Penney State Office Buildings**
4. Address: **149 Park Central Sq, Springfield, MO 65806**
5. Area of Work: **10th Floor & 3rd Floor Landers & 3rd Floor Penney Roofs**
6. Acceptance Date: **February 24, 2016**
7. Warranty Period: **5 yrs**
8. Expiration Date: **February 24, 2021**

B. AND WHEREAS Roofing Installer has contracted (either directly with Owner or indirectly as a subcontractor) to warrant said work against leaks and faulty or defective materials and workmanship for designated Warranty Period,

C. NOW THEREFORE Roofing Installer hereby warrants, subject to terms and conditions herein set forth, that during Warranty Period he will, at his own cost and expense, make or cause to be made such repairs to or replacements of said work as are necessary to correct faulty and defective work and as are necessary to maintain said work in a watertight condition.

D. This Warranty is made subject to the following terms and conditions:

1. Specifically excluded from this Warranty are damages to work and other parts of the building, and to building contents, caused by:

   a. lightning;
   b. peak gust wind speed exceeding 90 mph per IBC 2012;
   c. fire;
   d. failure of roofing system substrate, including cracking, settlement, excessive deflection, deterioration, and decomposition;
   e. faulty construction of parapet walls, copings, chimneys, skylights, vents, equipment supports, and other edge conditions and penetrations of the work;
   f. vapor condensation on bottom of roofing; and
   g. activity on roofing by others, including construction contractors, maintenance personnel, other persons, and animals, whether authorized or unauthorized by Owner.

2. When work has been damaged by any of foregoing causes, Warranty shall be null and void until such damage has been repaired by Roofing Installer and until cost and expense thereof have been paid by Owner or by another responsible party so designated.
3. Roofing Installer is responsible for damage to work covered by this Warranty but is not liable for consequential damages to building or building contents resulting from leaks or faults or defects of work.
4. During Warranty Period, if Owner allows alteration of work by anyone other than Roofing Installer, including cutting, patching, and maintenance in connection with penetrations, attachment of other work, and positioning of anything on roof, this Warranty shall become null and void on date of said alterations, but only to the extent said alterations affect work covered by this Warranty. If Owner engages Roofing Installer to perform said alterations, Warranty shall not become null and void unless Roofing Installer, before starting said work, shall have notified Owner in writing, showing reasonable cause for claim, that said alterations would likely damage or deteriorate work, thereby reasonably justifying a limitation or termination of this Warranty.
5. During Warranty Period, if original use of roof is changed and it becomes used for, but was not originally specified for, a promenade, work deck, spray-cooled surface, flooded basin, or other use or service more severe than originally specified, this Warranty shall become null and void on date of said change, but only to the extent said change affects work covered by this Warranty.
6. Owner shall promptly notify Roofing Installer of observed, known, or suspected leaks, defects, or deterioration and shall afford reasonable opportunity for Roofing Installer to inspect work and to examine evidence of such leaks, defects, or deterioration.
7. This Warranty is recognized to be the only warranty of Roofing Installer on said work and shall not operate to restrict or cut off Owner from other remedies and resources lawfully available to Owner in cases of roofing failure. Specifically, this Warranty shall not operate to relieve Roofing Installer of responsibility for performance of original work according to requirements of the Contract Documents, regardless of whether Contract was a contract directly with Owner or a subcontract with Owner's General Contractor.

E. IN WITNESS THEREOF, this instrument has been duly executed this **10th** day of **March, 2016.**

1. Authorized Signature:
2. Name: **Dyllon Marsolf**
3. Title: **Member**

END OF SECTION

Buddy Webb & Company
Architect - Consultant

3057 East Cairo
Springfield, Missouri 65802
(417) 877-1385 Phone
(417) 877-9736 Fax

PRE-BID MEETING ATTENDENCE SIGN-IN

November 15, 2022 – 10:00am

Project: Project No. O1920-01
Repairs to Exterior Façade
Landers State Office Building
149 Park Central Square
Springfield, Missouri 65806

Name	Company Name	Phone Number
1. Austin Rethemeyer	Infinity Group	816-812-2792
2. Tom Burch	MTS	417-865-9991
3. Mike Mann	Innovative Masonry Restoration	816-841-7455
4. Ken Farrell	STAAT INC.	636 541-9334
5. Don Wagner	OA-FMDC	816-565-5098
6. Buddy Webb	Buddy Webb & Co.	417-877-1385
7. Jesse Rollins	OA-FMDC	573-522-5053
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		