



17 FEB 2014

MILITARY DEPARTMENT
STATE of NEBRASKA
LINCOLN, NEBRASKA

**NEBRASKA ARMY NATIONAL GUARD
AASF #1 EXTERIOR SUSTAINMENT PROJECT**

at the

**Army Aviation Support Facility
2601 NW 25th Street
Lincoln, Nebraska 68524-1898**

for the

MILITARY DEPARTMENT
STATE of NEBRASKA
Lincoln, Nebraska

ADDENDUM NO. 2

The original specifications and drawings on the STATE OF NEBRASKA REQUEST for PROPOSAL FORM for the project noted above are amended as noted in this Addendum No. 2.

Receipt of this Addendum shall be acknowledged by inserting its number and date in the space provided on the Bid Form.

ADDENDUM NO. 2

NOTE TO ALL PLANHOLDERS: Please insert this Addendum into your copy of the Contract Documents for the above named project.

The following changes to the Contract Documents are issued by the CFMO-CMB and shall have the same force and affect as though a part of the original issue.

THE RECIEPT DATE, TIME and LOCATION of the BID PROPOSAL submission HAS NOT CHANGED.

ITEM NO.:

ADD 2-1: Subject to compliance with specifications and review of shop drawings, the following manufactures are approved.

<u>Section</u>	<u>Manufacturer - Product</u>
085113 - Aluminum Windows	EFCO Series 2901 XForce

ADD 2-2 In reference to the project manual, Section 075113 - Built-up Asphalt Roofing, delete this section in its entirety.

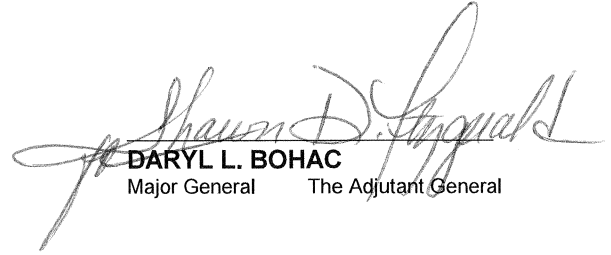
ADD 2-3 Add attached Section 075111 - Cold Process Built-up Asphalt Roofing to the project manual.



ADD 2-4 In reference to the drawings, sheet A-504, Sections 5,6,13 and 14. Change the metal deck and joist shown to 4 1/2 inch thick concrete.

ADD 2-5 In reference to the drawings, sheet A-504. Change keynote 60 to "Built-up Roofing."

THIS ADDENDUM SHALL BE ATTACHED TO AND MADE A PART OF THE DRAWINGS AND SPECIFICATIONS AND SHALL BE ACKNOWLEDGED WITH THE BIDDER'S PROPOSAL.



DARYL L. BOHAC
Major General The Adjutant General

End of Addendum No. 2



**NEBRASKA ARMY NATIONAL GUARD
LAB AASF #1 - EXTERIOR SUSTAINMENT
LINCOLN, NEBRASKA**

SECTION 075111 - COLD PROCESS BUILT-UP ASPHALT ROOFING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:

- 1. Cold process built-up asphalt roofing system.
- 2. Roof insulation.

- B. Related Sections include the following:

- 1. Division 6 Section "Miscellaneous Carpentry" for wood nailers, cants, curbs, and blocking.
- 2. Division 7 Section "Sheet Metal Flashing and Trim" for metal roof penetration flashings, flashings, and counterflashings.
- 3. Division 15 Section "Plumbing Specialties" for roof drains.

1.3 DEFINITIONS

- A. Roofing Terminology: Refer to ASTM D 1079 and glossary of NRCA's "The NRCA Roofing and Waterproofing Manual" for definition of terms related to roofing work in this Section.
- B. Cold Applied Built Up Roofing – An asbestos free formulation of asphalt, solvent, thixotrope, mineral stabilizer and reinforcing fibers used as an interply adhesive and flood coat.

1.4 PERFORMANCE REQUIREMENTS

- A. General: Provide installed roofing membrane and base flashings that remain watertight; do not permit the passage of water; and resist specified uplift pressures, thermally induced movement, and exposure to weather without failure.
- B. Material Compatibility: Provide roofing materials that are compatible with one another under conditions of service and application required, as demonstrated by roofing manufacturer based on testing and field experience.

**NEBRASKA ARMY NATIONAL GUARD
LAB AASF #1 - EXTERIOR SUSTAINMENT
LINCOLN, NEBRASKA**

- C. Roofing System Design: Provide a roofing system that is identical to systems that have been successfully tested by a qualified testing and inspecting agency to resist uplift pressure calculated according to ASCE 7.
- D. Flashings: Provide base flashings, perimeter flashings, detail flashings and component materials that comply with requirements and recommendations in FMG 1-49 Loss Prevention Data Sheet for Perimeter Flashings; FMG 1-29 Loss Prevention Data Sheet for Above Deck Roof Components; NRCA Roofing and Waterproofing Manual (Fifth Edition) for Construction Details and SMACNA Architectural Sheet Metal Manual (Fifth Edition) for Construction Details, as applicable
- E. FMG Listing: Provide roofing membrane, base flashings, and component materials that comply with requirements in FMG 4450 and FMG 4470 as part of a roofing system and that are listed in FMG's "Approval Guide" for Class 1 or noncombustible construction, as applicable. Identify materials with FMG markings.
 - 1. Fire/Windstorm Classification: Class 1A-90.
 - 2. Hail Resistance: SH.

1.5 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Shop Drawings: For roofing system. Include plans, elevations, sections, details, and attachments to other Work.
 - 1. Base flashings, cants, and membrane terminations.
 - 2. Tapered insulation, including slopes.
 - 3. Crickets, saddles, and tapered edge strips, including slopes.
 - 4. Insulation fastening patterns.
- C. Installer Certificates: Signed by roofing system manufacturer certifying that Installer is approved, authorized, or licensed by manufacturer to install roofing system.
- D. Manufacturer Certificates: Signed by roofing manufacturer certifying that roofing system complies with requirements specified in "Performance Requirements" Article.
 - 1. Submit evidence of meeting performance requirements.
- E. Qualification Data: For Installer.
- F. Maintenance Data: For roofing system to include in maintenance manuals.
- G. Warranties: Special warranties specified in this Section.

1.6 QUALITY ASSURANCE

**NEBRASKA ARMY NATIONAL GUARD
LAB AASF #1 - EXTERIOR SUSTAINMENT
LINCOLN, NEBRASKA**

- A. Installer Qualifications: A qualified firm that is approved, authorized, or licensed by roofing system manufacturer to install manufacturer's product and that is eligible to receive manufacturer's warranty.
- B. Source Limitations: Obtain components for roofing system approved by roofing system manufacturer.
- C. Fire-Test-Response Characteristics: Provide roofing materials with the fire-test-response characteristics indicated as determined by testing identical products per test method below by UL, FMG, or another testing and inspecting agency acceptable to authorities having jurisdiction. Materials shall be identified with appropriate markings of applicable testing and inspecting agency.
 - 1. Exterior Fire-Test Exposure: Class A; ASTM E 108, for application and roof slopes indicated.
 - 2. Fire-Resistance Ratings: ASTM E 119, for fire-resistance-rated roof assemblies of which roofing system is a part.

1.7 DELIVERY, STORAGE, AND HANDLING

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

1.8 PROJECT CONDITIONS

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

1.9 WARRANTY

**NEBRASKA ARMY NATIONAL GUARD
LAB AASF #1 - EXTERIOR SUSTAINMENT
LINCOLN, NEBRASKA**

- A. Special Warranty: Manufacturer's standard form, in which manufacturer agrees to repair or replace components of roofing system that fail in materials or workmanship within specified warranty period. Failure includes roof leaks.
 - 1. Special warranty includes roofing membrane, base flashings, roofing membrane accessories, roof insulation, insulation adhesive, cover boards, substrate board, walkway products and other components of roofing system.
 - 2. Warranty Period: Ten (10) years from date of Substantial Completion.
- B. Special Project Warranty: Submit roofing Installer's warranty, on warranty form at end of this Section, signed by Installer, covering Work of this Section, including all components of roofing system such as roofing membrane, base flashing, roof insulation, insulation adhesive, cover boards, substrate boards, roof pavers, and walkway products, for the following warranty period:
 - 1. Warranty Period: Two(2) years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
- B. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Built-up Asphalt Roofing:
 - a. Tremco, Inc.
- C. In other Part 2 articles where titles below introduce lists, the following requirements apply for product selection:
 - 1. Products: Subject to compliance with requirements, provide one of the products specified.
 - 2. Manufacturers: Subject to compliance with requirements, provide products by the manufacturers specified.

2.2 BASE SHEET MATERIALS

- A. Ply Sheet: Trilaminare reinforced ply sheet, complying with ASTM D 4601-91, ASTM 228-90A, ASTM 146-90, ASTM 4601-91.
- B. Physical Properties: Provide trilaminare reinforced ply sheet materials with the following properties:
 - a. Weight: 31.0 lb/100 ft²
 - b. Breaking strength: 135 lbf/(600 N) in MD. 130 lbf/in in XMD.

**NEBRASKA ARMY NATIONAL GUARD
LAB AASF #1 - EXTERIOR SUSTAINMENT
LINCOLN, NEBRASKA**

- c. Mass of desaturated polyester/glass/polyester mat, min.: 2.2 lb/100ft.
- d. Asphalt: 10.0 lb/100 ft minimum.

2.3 ROOFING MEMBRANE PLIES

- A. Ply Sheet: Trilaminate reinforced ply sheet, complying with ASTM D 4601-91; ASTM 228-90A and ASTM 146-90.

1. Physical Properties: Provide trilaminate reinforced ply sheet materials with the following properties:

- a. Thickness: 1.2 mm
- b. Breaking strength: 220 lbf/in (38.5 kN/M) MD. 235 lbf/in XMD.
- c. Elongation: 6.5% MD/XMD.
- d. Tear Strength: 345 lbf MD. 330 lbf (1467 N) XMD minimum.
- e. Mass of desaturated polyester/glass/polyester mat, min.: 3.5 lb/100ft.
- f. Asphalt: 10.0 lb/100 ft minimum.

2.4 FLASHING MATERIALS

- A. Flashing Membrane: Reinforced CSPE, 0.045 inches thick complying with ASTM D 5019. Color: black
- B. Cold Applied Flashing Adhesive: Roofing system manufacturer's standard 1 part asbestos free, cold-applied adhesive specially formulated for compatibility and use with CSPE reinforced flashing membrane.
- C. Flashing Surfacing: Non-asphaltic, non-fibered aluminum coating; without asbestos.
- D. Glass-Fiber Fabric: Woven glass cloth, treated with asphalt, complying with ASTM D 1668, Type I.

2.5 ASPHALT MATERIALS

- A. Asphalt Primer: ASTM D 41.
- B. Cold-Applied Adhesive and Surfacing: Roofing system manufacturer's standard asphalt-based, 1-part asbestos-free, cold-applied adhesive specially formulated for compatibility and use with built-up roofing membranes and flashings. Each container labeled with UL and FM logos indicating material was manufactured under the specified UL and FM quality assurance programs.
 - 1. BURmastic Adhesive by Tremco or approved equal.

**NEBRASKA ARMY NATIONAL GUARD
LAB AASF #1 - EXTERIOR SUSTAINMENT
LINCOLN, NEBRASKA**

2.6 AUXILIARY ROOFING MEMBRANE MATERIALS

- A. General: Auxiliary materials recommended by roofing system manufacturer for intended use and compatible with built-up roofing.
- B. Asphalt Roofing Cement: ASTM D 4586, asbestos free, of consistency required by roofing system manufacturer for application.
- C. Mastic Sealant: Polyisobutylene, plain or modified bitumen, nonhardening, nonmigrating, nonskinning, and nondrying.
- D. Metal Flashing Sheet: Metal flashing sheet is specified in Division 7 Section "Sheet Metal Flashing and Trim."
- E. Aggregate Surfacing: ASTM D 1863, No. 6, clean, dry, opaque, water-worn gravel or crushed stone, free of sharp edges.
- F. Miscellaneous Accessories: Provide miscellaneous accessories recommended by roofing system manufacturer.

2.7 ROOF INSULATION

- A. General: Provide preformed roof insulation boards that comply with requirements and referenced standards, selected from manufacturer's standard sizes and of thicknesses indicated.
- B. Polyisocyanurate Board Insulation: ASTM C 1289, Type II, felt or glass-fiber mat facer on both major surfaces.
 - 1. Manufacturers:
 - a. Atlas Roofing Corporation.
 - b. Firestone Building Products Company
 - c. Johns-Manville
 - d. Celotex Corporation.
 - e. GAF Materials Corporation.
 - f. Hunter Panels, LLC.
- C. Tapered Insulation: Provide factory-tapered insulation boards fabricated to slope of **1/4 inch per 12 inches**, unless otherwise indicated.
- D. Provide preformed saddles, crickets, tapered edge strips, and other insulation shapes where indicated for sloping to drain. Fabricate to slopes indicated.

2.8 INSULATION ACCESSORIES

- A. General: Roof insulation accessories recommended by insulation manufacturer for intended use and compatible with membrane roofing.

**NEBRASKA ARMY NATIONAL GUARD
LAB AASF #1 - EXTERIOR SUSTAINMENT
LINCOLN, NEBRASKA**

- B. Cold Fluid-Applied Adhesive: Solvent free, bituminous urethane adhesive
 - 1. Fas-n-Free Adhesive by Tremco or approved equal.
 - 2. Tremprime WB by Tremco or approved equal.
- C. Cants: Wood cants are specified in Division 6 Section "Miscellaneous Carpentry."
- D. Wood Nailer Strips: Comply with requirements in Division 6 Section "Miscellaneous Carpentry."
- E. Tapered Edge Strips: ASTM C 208, Type II, Grade 1, cellulosic-fiber insulation board.
- G. Cover Board: ASTM C 208, Type II, Grade 1, cellulosic-fiber insulation board, **1/2 inch** thick.

2.9 COATING MATERIALS

- A. Flashing Coating: ASTM D 2824, Type **I**, nonfibered aluminum-pigmented asphaltic coating.

2.10 WALKWAYS.

- A. Walkway Pads: Mineral-granule-surfaced, reinforced asphaltic composition slip-resisting pads, manufactured as a traffic pad for foot traffic and acceptable to roofing system manufacturer, **1/2 inch** thick, minimum.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with the following requirements and other conditions affecting performance of roofing system:
 - 1. Verify that roof openings and penetrations are in place and set and braced and that roof drains are securely clamped in place.
 - 2. Verify that wood cants, blocking, curbs, and nailers are securely anchored to roof deck at penetrations and terminations and that nailers match thicknesses of insulation.
 - 3. Verify that concrete curing compounds that will impair adhesion of roofing components to roof deck have been removed.
 - 4. Verify that concrete substrate is visibly dry and free of moisture. Test for capillary moisture by plastic sheet method according to ASTM D 4263.
 - a. Test for moisture by pouring **1 pint** of hot roofing asphalt on deck at start of each day's work and at start of each roof area or plane. Do not proceed with roofing work if test sample foams or can be easily and cleanly stripped after cooling.
 - 5. Proceed with installation only after unsatisfactory conditions have been corrected.

**NEBRASKA ARMY NATIONAL GUARD
LAB AASF #1 - EXTERIOR SUSTAINMENT
LINCOLN, NEBRASKA**

3.2 PREPARATION

- A. Clean substrate of dust, debris, moisture, and other substances detrimental to roofing installation according to roofing system manufacturer's written instructions. Remove sharp projections.
- B. Prevent materials from entering and clogging roof drains and conductors and from spilling or migrating onto surfaces of other construction. Remove roof-drain plugs when no work is taking place or when rain is forecast.
- C. Prime surface of concrete deck with asphalt primer at a rate of **3/4 gal./100 sq. ft.** and allow primer to dry.

3.3 INSULATION INSTALLATION

- A. Coordinate installing roofing system components so insulation is not exposed to precipitation or left exposed at the end of the workday.
- B. Comply with roofing system manufacturer's written instructions for installing roof insulation.
- C. Wood Cants: Install and secure preformed 45-degree wood cants at junctures of built-up roofing membrane system with vertical surfaces or angle changes greater than 45 degrees.
- D. Install tapered insulation under area of roofing to conform to slopes indicated.
- E. Install insulation with long joints of insulation in a continuous straight line with end joints staggered between rows, abutting edges and ends between boards. Fill gaps exceeding **1/4 inch** with insulation.
 - 1. Cut and fit insulation within **1/4 inch** of nailers, projections, and penetrations.
- F. Install one or more layers of insulation under area of roofing to achieve required thickness. Where overall insulation thickness is **1-1/2 inches** or greater, install 2 or more layers with joints of each succeeding layer staggered from joints of previous layer a minimum of **6 inches** in each direction.
- G. Trim surface of insulation where necessary at roof drains so completed surface is flush and does not restrict flow of water.
- H. Install tapered edge strips at perimeter edges of roof that do not terminate at vertical surfaces.
- I. Adhere Insulation: Install insulation and adhere to substrate:
 - 1. Adhere to resist uplift pressure at corners, perimeter, and field of roof.
- J. Install cover boards over insulation with long joints in continuous straight lines with end joints staggered between rows. Stagger joints from joints in insulation below a minimum of **6 inches** in each direction. Loosely butt cover boards together and fasten to roof deck. Tape joints if required by roofing system manufacturer.

**NEBRASKA ARMY NATIONAL GUARD
LAB AASF #1 - EXTERIOR SUSTAINMENT
LINCOLN, NEBRASKA**

1. Adhere according to requirements in FMG's "Approval Guide" for specified Windstorm Resistance Classification.
2. Adhere to resist uplift pressure at corners, perimeter, and field of roof.
3. Adhere layer of cover board in a cold fluid-applied adhesive.

3.4 ROOFING MEMBRANE INSTALLATION, GENERAL

- A. Install built-up roofing membrane system according to roofing system manufacturer's written instructions and applicable recommendations of ARMA/NRCA's "Quality Control Guidelines for the Application of Built-up Roofing."
- B. Start installation of built-up roofing membrane in presence of roofing system manufacturer's technical personnel.
- C. Cooperate with testing and inspecting agencies engaged or required to perform services for installing built-up roofing system.
- D. Coordinate installing roofing system components so insulation and roofing membrane sheets are not exposed to precipitation or left exposed at the end of the workday or when rain is forecast.
 1. Provide tie-offs at end of each day's work to cover exposed roofing membrane sheets and insulation with a course of coated felt set in roofing cement or hot roofing asphalt with joints and edges sealed.
 2. Complete terminations and base flashings and provide temporary seals to prevent water from entering completed sections of roofing system.
 3. Remove and discard temporary seals before beginning work on adjoining roofing.
- E. Cold Process Asphalt Heating:
 1. An in-line heat exchange unit may be used to facilitate application
 - a. Maximum adhesive temperature: 100° F. Do not exceed the flash point of the adhesive.
 2. Heat exchange unit: Filled with heat transfer oil approved by equipment manufacturer.
 3. Follow operation procedures as recommended by equipment manufacturer.

3.5 ROOFING MEMBRANE INSTALLATION

- A. Install three ply sheets starting at low point of roofing system. Align ply sheets without stretching. Shingle side laps of ply sheets uniformly to achieve required number of plies throughout thickness of roofing membrane. Shingle in direction to shed water. Extend ply sheets over and terminate beyond cants.
 1. Application: Adhere each ply felt in cold adhesive, applied within temperature range and at rate required by roofing system manufacturer, to form a uniform membrane without ply felts touching each other.

**NEBRASKA ARMY NATIONAL GUARD
LAB AASF #1 - EXTERIOR SUSTAINMENT
LINCOLN, NEBRASKA**

- B. Surfacing Application:
 - 1. Prior to application of flood coat, contractor shall inspect roof with manufacturer's technical representative and repair any deficiencies.
 - 2. Over entire roof surface apply uniform and continuous flood coat of surfacing adhesive at a rate of 7 gallons per 100 sq. ft.
- C. Aggregate Surfacing: While flood coat is fluid, cast the following average weight of aggregate in a uniform course:
 - 1. Aggregate Weight: **600 lb/100 sq. ft.**

3.6 FLASHING AND STRIPPING INSTALLATION

- A. Install reinforced CSPE base flashing over cant strips and other sloping and vertical surfaces, at roof edges, and at penetrations through roof, and secure to substrates according to roofing system manufacturer's written instructions and as follows.
- B. Prime substrates with asphalt primer if required by roofing system manufacturer.
 - 1. Base Flashing Application: Adhere reinforced CSPE base flashing to substrate in cold adhesive, applied within temperature range and at rate required by roofing system manufacturer.
- C. Extend base flashing up the wall a minimum of **8 inches** above roof membrane and **6 inches** onto field of roof membrane.
- D. Mechanically fasten top of reinforced CSPE base flashing securely at terminations and perimeter of roofing.
 - 1. Seal top termination of base flashing.
- E. Roof Drains: Refer to NRCA Construction Detail BUR-23 and BUR-23S.
- F. Plumbing Vent: Refer to NRCA Construction Detail BUR-21 and BUR-21S.
- G. Pitch Pocket: Refer to NRCA Construction Detail BUR-22 and BUR 22-S.

3.7 COATING INSTALLATION

- A. Apply coatings to base flashings according to manufacturer's written instructions, by spray, roller, or other suitable application method.

3.8 WALKWAY INSTALLATION

- A. Walkway Pads: Install walkway pads using units of size indicated or, if not indicated, of manufacturer's standard size according to walkway pad manufacturer's written instructions.

**NEBRASKA ARMY NATIONAL GUARD
LAB AASF #1 - EXTERIOR SUSTAINMENT
LINCOLN, NEBRASKA**

1. Sweep away loose aggregate surfacing and set walkway pads in additional flood coat of hot roofing asphalt.

3.9 FIELD QUALITY CONTROL

- A. Testing Agency: Contractor will engage a qualified independent testing and inspecting agency acceptable to Owner to perform roof tests and inspections and to prepare test reports.
- B. Manufacturer's Technical Representative: Contractor will engage a qualified manufacturer's technical representative to perform roof tests and inspections and to prepare test reports. If the technical inspector is not provided by the roofing system manufacturer, an outside qualified inspector can be employed along with a letter from the roof system manufacturer that they will comply with all decisions from the technical inspector and compliance with outside technical inspector will not affect roof system manufacturer's warranty.
- C. Test Cuts: Before flood coating and surfacing built-up roofing membrane, test specimens will be removed to evaluate problems observed during quality-assurance inspections of roofing membrane as follows:
 1. Approximate quantities of components within roofing membrane will be determined according to ASTM D 3617.
 2. Test specimens will be examined for interply voids according to ASTM D 3617 and to comply with criteria established in Appendix 3 of ARMA/NRCA's "Quality Control Guidelines for the Application of Built-up Roofing."
- D. Final Roof Inspection: Arrange for roofing system manufacturer's technical personnel to inspect roofing installation on completion and submit report to Architect.
 1. Notify Architect or Owner 48 hours in advance of date and time of inspection.
- E. Repair or remove and replace components of roofing system where test results or inspections indicate that they do not comply with specified requirements.
- F. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.

3.10 PROTECTING AND CLEANING

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

**NEBRASKA ARMY NATIONAL GUARD
LAB AASF #1 - EXTERIOR SUSTAINMENT
LINCOLN, NEBRASKA**

3.11 ROOFING INSTALLER'S WARRANTY

- A. WHEREAS <Insert name> , herein called the "Roofing Installer," has performed roofing and associated work ("work") on the following project:
1. Owner: <Insert name of Owner.>
 2. Address: <Insert address.>
 3. Building Name/Type: <Insert information.>
 4. Address: <Insert address.>
 5. Area of Work: <Insert information.>
 6. Acceptance Date: <Insert date.>
 7. Warranty Period: <Insert time.>
 8. Expiration Date: <Insert date.>
- 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 74 mph;
 - 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

**NEBRASKA ARMY NATIONAL GUARD
LAB AASF #1 - EXTERIOR SUSTAINMENT
LINCOLN, NEBRASKA**

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 **<Insert day>** day of **<Insert month>**, **<Insert year>**.

1. Authorized Signature: **<Insert signature.>**
2. Name: **<Insert name.>**
3. Title: **<Insert title.>**

END OF SECTION 075111