



6 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 25<sup>th</sup> Street  
Lincoln, Nebraska 68524-1898**

for the

MILITARY DEPARTMENT  
STATE of NEBRASKA  
Lincoln, Nebraska

**ADDENDUM NO. 1**

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. 1.

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

**ADDENDUM NO. 1**

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 1-1: A sign-in sheet is attached for the pre-bid meeting held at AASF meeting room on February 4, 2014 at 10:30 a.m.
- ADD 1-2: Due to the weather at the pre-bid meeting, another pre-bid meeting is scheduled for Thursday, February 13, 2014 at 2:30 p.m. at AASF for bidders interested in accessing project areas. Meet at the northeast entry door to the facility.
- ADD 1-3 Work over the south hanger door shall be staged so the Owner has unobstructed access to one-half of the hanger door at all times. Coordinate work with Owner with 72 hours notice.
- ADD 1-4 In reference to the Bid Proposal Form, replace with the attached revised Bid Proposal.



ADD 1-5 In reference to Section 012300 - Alternates, add the following Alternate ABI-E1.

"E. Alternate No. ABI-E1: Surge Protection Device.

1. Alternate: This includes all work associated with adding a surge protection device to the main and indicated branch panels in the facility. Refer to E-101, keyed note 3."

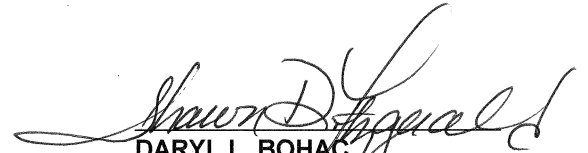
ADD 1-6 In reference to Section 075114 - Asphalt Built-up Roof Restoration, replace the entire section with the attached revised section.

ADD 1-7 In reference to the attachment to Section 075114 - Asphalt Built-up Roof Restoration, replace the black/white attachment with the attached supplemental drawing in color.

ADD 1-8 In reference to Sheets A-101, A-102, A-103, and A-104, as a matter of clarification, the scale of the drawings are at 1/16 inch = 1 foot in lieu of what is indicated.

ADD 1-9 In reference to Sheet A-502, change 9/A-502 from Guard Detail to Downspout Detail.

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. 1





# Nebraska Military Department

Construction and Facilities Management Office

JFHQ Building, 2433 NW 24th Street, Lincoln, Nebraska 68524-1801

(402) 309-8450 (main) (402) 309-7480 (fax)



## Pre-Bid Meeting - AASF #1 Exterior Sustainment Project

February 04, 2014 @ 10:30 PM

Name	Agency/Company	Phone Number	E-mail Address
Gayle Dietz	Nebraska Military Dept.	402-309-8473	gayle.j.dietz.nfg@mail.mil
Josh Cowan	Nebraska Military Dept.	402-309-8462	joshua.m.cowan.nfg@mail.mil
CW3 Paul Robinson	Facility Operations Mgr	402-309-1805	paul.a.robinson40.mil@mail.mil
Mike Marsh	Davis Design	402-570-1011	mike.marsh@davisdesign.com
Julie Blake	Davis Design	402-476-9700	julie.blake@davisdesign.com
John Berglund	Scott Enterprises, Inc.	402-571-2364 EXT 115	jberglund@scottent.com
Jeff Scott	Weathercraft of Lincoln	402-416-7533	jeffs@weathercraft.us
Darren Thomas	Dickey & Burham Inc	402-610-7401	darren.thomas.dbi@gmail.com
Dan Warner	Davis Design	402-476-9700	DAN.WARNER@DAVISDESIGN.COM
Mike Marsh	Davis Design	402-476-9700	MIKE.MARSH@DAVISDESIGN.COM
MEL MORTON	LACEY CONSTRUCTION	402-443-1112	MEL@LACEYINC.COM
CHUCK LACEY JR.	LACEY CONSTRUCTION	402-480-1112	CHUCK@LACEYINC.COM
ANDY WATSON	TEW CONSTRUCTION	402-475-5030	caldrich@tewconstruction.com
Brian Semerad	Kingery Construction	402-465-4400	brians@kccobuilders.com
Josh Cowan	CFRO	402 525 4162	joshua.m.cowan.nfg@mail.mil
DAN SMITH	AASF #1 OPS	402 309 1874	daniel.l.smith333.mil@mail.mil
Joe Dalton	AASF #1	402-309-1819	joseph.m.dalton.mil@mail.mil
Kevin Morfelt	ISC Dynamics Inc	402-239-6690	Kevin.morfelt@hotmail.com
ZACH WATSON	NGC Group Inc	402 261-5459	ZWatson@ngcgroupinc.com
KENT MARSCHMAN	TREMCO	402-499-5368	kmarschman@tremcoinc.com



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at the

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2601 NW 25<sup>th</sup> Street  
Lincoln, Nebraska 68524-1898**

for the

**MILITARY DEPARTMENT  
STATE of NEBRASKA  
Lincoln, Nebraska**

**PROPOSAL**

TO: **DARYL L. BOHAC**  
Major General The Adjutant General  
Military Department State of Nebraska  
2433 NW 24<sup>th</sup> Street  
Lincoln, Nebraska 68524-1801

In compliance with your Invitation for Bids dated 21 January 2014 the undersigned hereby proposes to furnish all labor, equipment, materials, transportation and supervision, and perform all work for the project titled "**AASF #1 EXTERIOR SUSTAINMENT PROJECT, CFMO Project No. 31110047**" at the **Army Aviation Support Facility, 2601 NW 25<sup>th</sup> Street, Lincoln, Nebraska** in strict accordance with the Plans and Specifications and Contract Documents in consideration of the following amounts:

BASE BID if accepted, see INSTRUCTIONS to BIDDERS - Paragraph 6.4 C.):

For furnishing all labor, equipment, materials, transportation, supervision and any required testing a for a complete and operational project on the above named project facility to include but, not limited to:

**SCOPE OF WORK:** This project involves modifications to the Nebraska Army National Guard's AASF#1 facility in Lincoln, Nebraska. These modifications include roof replacement and restoration, window replacement, lightning protection, removal and replacement/reconfiguration of a portion of the metal panel siding as well as other miscellaneous repairs, per the plans and specifications set forth herein.

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**NOTE: ALL BLANKS SHALL BE FILLED IN WITH A "PRICE AMOUNT" ON EACH BASE BID ITEM. ALL OTHER BLANKS SHALL BE FILLED IN WITH THE APPROPRIATE INFORMATION REQUESTED. FAILURE TO DO SO WILL CONSTITUTE REJECTION OF THE BID PROPOSAL. BID PROPOSAL SHALL BE ENTERED IN BOTH WORDS AND FIGURES.**

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at the  
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Base Bid:

Bid Item Amount:

**TOTAL BASE BID AMOUNT:** \$ \_\_\_\_\_

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(Enter Bid in both words and figures. In case of discrepancy, the amount shown in words shall govern.)

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**ALTERNATE (Additive/Deductive Bid Items)**

**ALTERNATE: (Additive/Deductive Bid Item)**

The Base Bid may be *increased/decreased* in accordance with the Alternate Proposals (Additive Bid Items and Deductive Bid Items) as selected from the following. Alternates (Additive/Deductive Bid Items) is described in Instruction to Bidders.

**ALTERNATE No. 1 (Additive Bid Item No. 1):** If accepted, **ADD** this amount to the Total Base Bid Amount:  
**Replace and/or restore built-up roofs as defined in the documents:** \$ \_\_\_\_\_

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(Enter Bid in both words and figures. In case of discrepancy, the amount shown in words shall govern.)

**ALTERNATE No. 2 (Additive Bid Item No. 2):** If accepted, **ADD** this amount to the Total Base Bid Amount:  
**Repair metal roof and supply/install new Safety walkway as noted in the documents:** \$ \_\_\_\_\_

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(Enter Bid in both words and figures. In case of discrepancy, the amount shown in words shall govern.)

**ALTERNATE No. 3 (Additive Bid Item No. 3):** If accepted, **ADD** this amount to the Total Base Bid Amount:  
**Remove & replace existing aluminum frame Windows:** \$ \_\_\_\_\_

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(Enter Bid in both words and figures. In case of discrepancy, the amount shown in words shall govern.)

**ALTERNATE No. 4 (Additive Bid Item No. 4):** If accepted, **ADD** this amount to the Total Base Bid Amount:  
**Remove insulated metal panels above hangar door, replace with new lower soffit at hangar door head as noted in the documents:** \$ \_\_\_\_\_

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(Enter Bid in both words and figures. In case of discrepancy, the amount shown in words shall govern.)

**ALTERNATE No. E-1 (Additive Bid Item No. E-1):** If accepted, **ADD** this amount to the Total Base Bid Amount:

**Add a surge protection device to the main and indicated branch panels in the facility as noted in the documents:**

\$ \_\_\_\_\_

(Enter Bid in both words and figures. In case of discrepancy, the amount shown in words shall govern.)

Part II

In submitting the Proposal, the undersigned agrees:

1. To enter into and execute a standard Army National Guard Construction Contract within ten (10) days if awarded on the basis of this Proposal. The Contract requires liability and property damage insurance among other federal requirements be met. A 'SAMPLE COPY' of the Contract is included in these Specifications.

2. This Bid will be held open for acceptance for a period of forty-five (45) days.

3. Attached hereto is a Bid Bond (AIA Document 310) in the amount of \$ \_\_\_\_\_ made payable to the State of Nebraska, which shall be forfeited should the undersigned fail to enter into a Contract with the Military Department, State of Nebraska or fail to furnish Labor and Material Payment Bonds (AIA Document A312) or Performance Bonds (AIA Document A312) as noted in the Instruction to Bidders. Power of Attorney is required with these AIA Documents.

4. The Military Department, State of Nebraska, reserves the right to waive informalities and irregularities and to make awards on bids which furnish the materials and construction that will in their opinion serve the best interest of the Military Department, State of Nebraska, or to reject any or all bids.

5. THE CONTRACTOR SHALL BE REQUIRED TO **(A.)** COMMENCE WORK WITHIN TEN (10) CALENDAR DAYS AFTER THE DATE THE CONTRACTOR RECEIVES THE "NOTICE TO PROCEED LETTER", and **(B.)** EXECUTE THE WORK DILIGENTLY, and **(C.)** *The contractor is also required to submit a Gantt Chart (or approved equal spreadsheet / construction schedule at the Pre-Construction Conference). This baseline, at a minimum, should contain the following work breakdown structure: project start up, site work, demolition, building addition, building remodel, mechanical, electrical, and project close out.*

6. I / We, in submitting this Bid estimate that the project will take \_\_\_\_\_ **calendar days** to complete the entire work and ready for use after the required commencement of work. This time stated for completion includes final cleanup of the premises and requirements of "final inspection".

The undersigned acknowledges receipt of the following addenda:

NO. \_\_\_\_\_ THROUGH NO. \_\_\_\_\_

\_\_\_\_\_  
Name of Firm

- An Individual ( )
- A Co-Partnership ( )
- A Corporation ( )

\_\_\_\_\_  
Corporate Seal and State of Incorporation

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State, Zip Code

\_\_\_\_\_  
Federal I.D. or Social Security No.

(\_\_\_\_\_)\_\_\_\_\_  
Phone

(\_\_\_\_\_)\_\_\_\_\_  
Fax

\_\_\_\_\_  
Email Address

NOTE: IF BIDDER IS A PARTNERSHIP, GIVE THE FULL NAMES OF ALL PARTNERS:

\_\_\_\_\_  
Partner

\_\_\_\_\_  
Partner

\_\_\_\_\_  
Partner

**ATTENTION BIDDERS:**

1. Bid Proposal Form must be filled out completely.
2. Bid Proposal must include required Bid Security (Bond).
3. Return the entire Bid Form, pages BF - 1 through BF - 4.
4. **Bid Proposal must be signed in BLUE ink.**

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LINCOLN, NEBRASKA**

**SECTION 075114 - ASPHALT BUILT-UP ROOF RESTORATION**

**PART 1 - GENERAL**

**1.1 SUMMARY**

**A. This Section includes the following:**

1. Roof restoration preparation.
2. Restoration of base flashings.
3. Patching existing roofing systems for new work.

**B. Related Sections include the following:**

1. Division 1 Section "Photographic Documentation" for photographs taken before reroofing preparation.
2. Division 1 Section "Temporary Facilities and Controls" for temporary construction and environmental-protection measures for reroofing preparation.
3. Division 1 Section "Execution" for cutting and patching procedures for reroofing preparation.

**1.2 RELATED DOCUMENTS**

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

**1.3 MATERIALS OWNERSHIP**

**A. Except for items or materials indicated to be reused, reinstalled, or otherwise indicated to remain Owner's property, demolished materials shall become Contractor's property and shall be removed from Project site.**

**1.4 DEFINITIONS**

**A. Roofing Terminology: Refer to ASTM D 1079 and glossary in NRCA's "The NRCA Roofing and Waterproofing Manual" for definition of terms related to roofing work in this Section.**

**B. Existing Membrane Roofing System: Built-up asphalt roofing membrane, surfacing, and components and accessories between deck and roofing membrane.**

**C. Roof Restoration Preparation: Existing roofing membrane that is to remain and be prepared for reuse.**

**D. Remove: Detach items from existing construction and legally dispose of them off-site unless indicated to be removed and reinstalled.**

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- E. Existing to Remain: Existing items of construction that are not indicated to be removed.

1.5 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Shop Drawings: For roofing system. Include plans, elevations, sections, details in compliance with performance requirements, and attachments to other Work
- C. Samples for Verification: For the following products:
  - 1. **10 lb** of aggregate surfacing material, cleaned and washed.

1.6 INFORMATIONAL SUBMITTALS

- A. Installer Qualification Data.

1.7 QUALITY ASSURANCE

- A. Installer Qualifications:
  - 1. A qualified firm that is approved, authorized, or licensed by roofing system manufacturer to install manufacturer's product.
  - 2. Must have minimum 5 years experience with asphalt roof restoration and 4 separate projects within past 5 years for inspection.
  - 3. Installer Superintendant must have OSHA 10 certification.
- B. Manufacturer Qualifications: A qualified manufacturer that has UL listing and FMG approval for roofing system identical to that used for this Project.
- C. Testing Agency Qualifications: An independent testing agency with the experience and capability to conduct the testing indicated, as documented according to ASTM E 548.
- D. Source Limitations: Obtain components for roofing system from or approved by roofing system manufacturer.
- E. Preliminary Restoration Conference: Conduct conference at Project site to comply with requirements in Division 1 Section "Project Management and Coordination." Review methods and procedures related to roofing system including, but not limited to, the following:
  - 1. Meet with Owner; Consultant; Owner's insurer if applicable; testing and inspecting agency representative; roofing system manufacturer's representative; deck Installer; roofing Installer including project manager, superintendent, and foreman; and installers whose work interfaces with or affects restoration including installers of roof accessories and roof-mounted equipment.
  - 2. Review methods and procedures related to restoration preparation, including membrane roofing system manufacturer's written instructions.

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3. Review temporary protection requirements for existing roofing system that is to remain, during and after installation.
4. Review roof drainage during each stage of restoration and review roof drain plugging and plug removal procedures.
5. Review and finalize construction schedule, and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
6. Review existing deck removal procedures and Owner notifications.
7. Review procedures to determine condition and acceptance of existing deck and base flashing substrate for reuse.
8. Review base flashings, special roofing details, drainage, penetrations, equipment curbs, and condition of other construction that will affect restoration.
9. Review HVAC shutdown and sealing of air intakes.
10. Review shutdown of fire-suppression, -protection, and -alarm and -detection systems.
11. Review governing regulations and requirements for insurance and certificates if applicable.
12. Review existing conditions that may require notification of Consultant before proceeding.

**1.8 PROJECT CONDITIONS**

- A. Owner will occupy portions of building immediately below restoration area. Conduct restoration so Owner's operations will not be disrupted. Provide Owner with not less than 72 hours' notice of activities that may affect Owner's operations.
  1. Coordinate work activities daily with Owner so Owner can place protective dust or water leakage covers over sensitive equipment or furnishings, shut down HVAC and fire-alarm or -detection equipment if needed, and evacuate occupants from below the work area if desired.
  2. Before working over structurally impaired areas of deck, notify Owner to evacuate occupants from below the affected area. Verify that occupants below the work area have been evacuated prior to proceeding with work over the impaired deck area.
- B. Protect building to be restored, adjacent buildings, walkways, site improvements, exterior plantings, and landscaping from damage or soiling from restoration operations.
- C. Maintain access to existing walkways, corridors, and other adjacent occupied or used facilities.
- D. Owner assumes no responsibility for condition of areas to be restored.
  1. Conditions existing at time of inspection for bidding will be maintained by Owner as far as practical.
- E. Construction Drawings for existing roofing system are provided for Contractor's reference. Contractor is responsible for conclusions derived from existing documents.
- F. Weather Limitations: Proceed with restoration preparation only when existing and forecasted weather conditions permit Work to proceed without water entering into existing roofing system or building.

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- G. Access to roof shall be from the exterior of the building and not utilizing the existing roof hatch.

1.9 WARRANTY

- A. Special Warranty: Contractor's standard form, in which contractor 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; fasteners and other components of roofing system.
  2. Warranty Period: 5 + 5 years from date of Substantial Completion. Initial period to be 5 years. Contractor and Owner will inspect at the end of 5 years. Contractor agrees to extend warranty period for additional 5 years at their discretion based on reasonable performance of roof system.

PART 2 - PRODUCTS

2.1 MANUFACTURES

- A. Basis of Design: Tremco Incorporated. Provide basis of design product, or comparable product approved by Architect prior to bid.

2.2 INFILL MATERIALS

- A. Hybrid membrane ply sheet: Trilaminate reinforced ply sheet, complying with ASTM D 4601-91; ASTM 228-90A and ASTM 146-9, smooth surfaced, dusted with fine parting agent on both sides; suitable for application method specified; manufacturer's standard thickness and weight; for use and of reinforcing type as follows:
1. Use: Base plies of cold process built-up membrane roofing.
  2. Reinforcing: Composite woven or nonwoven polyester and glass-fiber mat.
  3. Physical Properties: Provide trilaminate reinforced ply sheet materials with the following properties:
    - a. Thickness: 1.2 mm
    - b. Breaking strength: 220 lbf/(38.5 kN/M) in MD. 235 lbf/in (41.1 kN/m) in XMD.
    - c. Elongation: 6.5% MD/XMD.
    - d. Tear Strength: 345 lbf (1534 N) MD. 330 lbf (1467 N) XMD minimum.
    - e. Mass of desaturated polyester/glass/polyester mat, min.: 3.5 lb/100ft (172 g.m).
    - f. Asphalt: 10.0 lb/100 ft (485g/m) minimum.
- B. Asphalt Primer: ASTM D 41.
- C. Cold-Applied Adhesive: Roofing system manufacturer's standard asphalt-based, 1-part asbestos-free, cold-applied adhesive specially formulated for compatibility and use with built-

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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. Physical Properties: Provide cold process adhesive materials with the following properties:
  - a. Asbestos Content ASTM D 276 None
  - b. Viscosity ASTM D 2196 @ 25 deg C (77 deg F) 25,000-75,000 cP
  - c. Density: ASTM D 6511 @ 25 deg C (77 deg F) 1.0 kg/L (8.4 lb/)

### 2.3 FLASHING MATERIALS

- A. Flashing Membrane: High performance flashing membrane reinforced with polyester/fiberglass composite core coated with high melt waterproofing asphalt.
  1. Tensile ASTM D 2523 @ 0 deg F 164 lbf/in MD, 137lbf/in XD
- B. Asphalt Mastic. Asphalt based, heavily fibrated mastic which is asbestos free and complies with ASTM D 4586-00, Type II, Class I.
  1. Viscosity ASTM D 2196 @ 25 deg C (77 deg F) 480,000-1,000,000cP
  2. Density ASTM D 1475 @ 25 deg C (77 deg F) 1.114 kg/L (9.3lb/gal)
- C. Reinforcement membrane. Non-shrinking, non-rotting, vinyl coated, woven glass mesh.
  1. Weight ASTM D 146 1.32 lb/100sqft
- D. Aluminum Coating. Reflective coating for flashings and Built-up roofs composed of tung oil and leafing aluminum pigment.
  1. Viscosity ASTM D 1200 @ 77 deg F 22 seconds
  2. Density ASTM D 1475 @ 77 deg F 7.95lbs/gal

### 2.4 ASPHALT MATERIALS

- A. Asphalt Primer: ASTM D 41.
- B. Cold-Applied Adhesive: 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. Physical Properties: Provide cold process adhesive materials with the following properties:
    - a. Asbestos Content ASTM D 276 None
    - b. Viscosity ASTM D 2196 @ 25 deg C (77 deg F) 80,000-200,000 cP
    - c. Density: ASTM D 1475 @ 25 deg C (77 deg F) 970 kg/m (8.1 lb/gal)

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2.5 ROOF INSULATION

- A. Polyisocyanurate Board Insulation: ASTM C 1289, Type II, Class 1, Grade 2, felt or glass-fiber mat facer on both major surfaces.
- B. Asphalt Primer: ASTM D 41.

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. Aggregate Surfacing: ASTM D 1863, No. 6, clean, dry, opaque, water-worn gravel or crushed stone, free of sharp edges. Provide sieve analysis as follows:

No. 6

Sieve:	Percent Passing:
1"	100%
3/4"	90%
1/2"	20% to 55%
3/8"	15%
No. 4	5%

PART 3 - EXECUTION

3.1 PREPARATION

- A. Coordinate with Owner to shut down air intake equipment in the vicinity of the Work. Cover air intake louvers before proceeding with restoration work that could affect indoor air quality or activate smoke detectors in the ductwork.
- B. During removal operations, have sufficient and suitable materials on-site to facilitate rapid installation of temporary protection in the event of unexpected rain.

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- C. Maintain roof drains in functioning condition to ensure roof drainage at end of each workday. Prevent debris from entering or blocking roof drains and conductors. Use roof-drain plugs specifically designed for this purpose. Remove roof-drain plugs at end of each workday, when no work is taking place, or when rain is forecast.
  - 1. If roof drains will be temporarily blocked or unserviceable due to roofing system removal or partial installation of new membrane roofing system, provide alternative drainage method to remove water and eliminate ponding. Do not permit water to enter into or under existing membrane roofing system components that are to remain.
- D. Verify that rooftop utilities and service piping have been shut off before commencing Work.

### 3.2 ROOF RESTORATION PREPARATION

- A. Remove blisters, ridges, buckles, mechanically attached roofing membrane fastener buttons projecting above the membrane, and other substrate irregularities from existing roofing membrane that inhibit new recover boards from conforming to substrate.
  - 1. Remove loose aggregate from aggregate-surfaced, built-up bituminous roofing with a power broom.
    - a. During power sweeping operations, contractor shall protect operations from throwing gravel
  - 2. Power vacuum the existing roof surface.
  - 3. Coordinate with Owner's inspector to schedule times for tests and inspections before proceeding with restoration.
  - 4. Transition existing EPDM roofing with 18 inches of neoprene form flash between the cold applied asphalt flood coat and the existing EPDM where required.

### 3.3 EXISTING BASE FLASHINGS

- A. Repair existing base flashings around parapets, curbs, walls, and penetrations.
  - 1. Clean flashings of contaminants such as asphalt, sheet materials, dirt, and debris.
- B. Do not damage metal counterflashings that are to remain. Replace metal counterflashings which are damaged or missing with counterflashings of same metal, weight or thickness, and finish.
- C. Do not damage metal termination bars that are to remain. Replace termination bars which are damaged, or missing. Tighten or replace loose and missing screws.
- D. Repair flashings as required and apply a three course of mastic and reinforcement membrane to all vertical seams.
- E. Coat flashings with aluminum coating as per manufacturers recommendations.

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- F. Prime substrates with asphalt primer if required by roofing system manufacturer.

**3.4 PROJECTION FLASHINGS**

- A. Set new flashing membrane in cold applied mastic over existing flashing membrane as per manufacturers' recommendations.
- B. Apply a three course of mastic and reinforcement membrane to all seams.
- C. Coat flashings with aluminum coating as per manufacturers recommendations.
- D. Prime substrates with asphalt primer if required by roofing system manufacturer.

**3.5 RESTORATION OF EXISTING ASPHALT BUILT-UP ROOF MEMBRANE**

- A. Surfacing Application:
  - 1. Prior to application of restoration material, contractor shall inspect roof and repair any deficiencies.
  - 2. Over entire roof surface apply uniform and continuous flood coat of surfacing adhesive at a rate of seven (7) gallons per 100 sq. ft..
- B. Aggregate Surfacing: Immediately broadcast minimum of 600 lbs /100 sq. ft. of new, clean roofing gravel. Cover flood coat material completely.
  - 1. Contractor may utilize the existing roof gravel provided that the salvaged roof gravel has been washed and is free from foreign materials and meets paragraph 2.6.D., "Aggregate Surfacing". Salvaged roof gravel that is coated with asphalt will not be allowed.

**3.6 FIELD QUALITY CONTROL**

- A. Final Roof Inspection: Arrange for final roof inspection with Contractor and Owner on completion.
  - 1. Notify Consultant or Owner 48 hours in advance of date and time of inspection.
- B. Repair or remove and replace components of roofing system where test results or inspections indicate that they do not comply with specified requirements.

END OF SECTION 075114

# NEBRASKA NATIONAL GUARD

AASF #1 - 2601 NW 25TH STREET

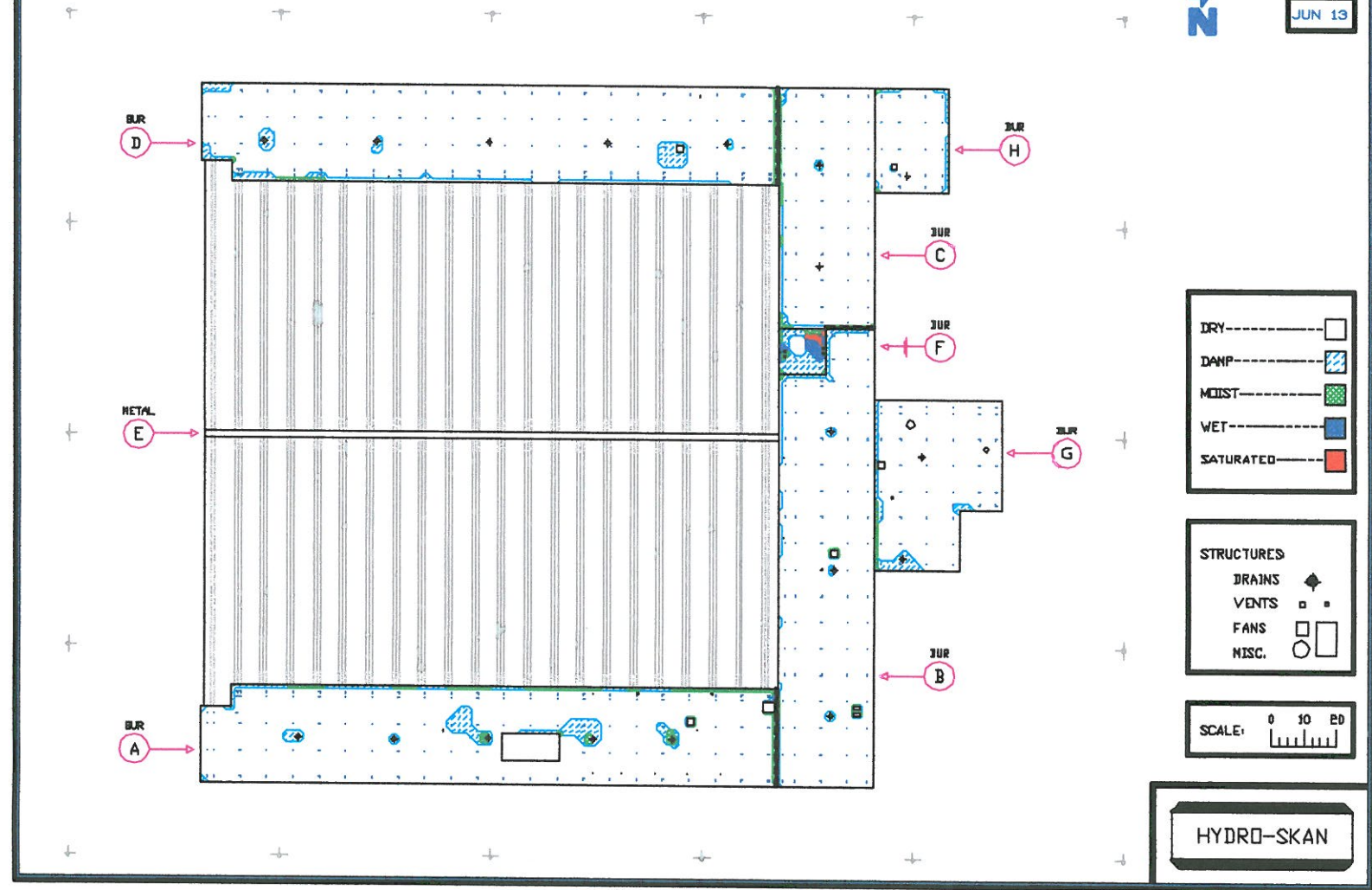
LINCOLN, NE

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