



April 16, 2014

MILITARY DEPARTMENT  
STATE of NEBRASKA  
LINCOLN, NEBRASKA

## NEBRASKA ARMY NATIONAL GUARD PENTERMAN INTERIOR REMODEL PROJECT

at

**Penterman Readiness Center  
2400 NW 24th Street  
Lincoln, NE**

**PROJECT NO. 31020035**

### A D D E N D U M   N O .   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 HAVE NOT CHANGED.**

#### ITEM NO.

- ADD 1-1     Pre-Bid Meeting Sign-In Sheet. Refer to the sign-in sheet, attached at the end of this addendum.
- ADD 1-2     Sheet A100, Detail A4 - Demolition Plan  
A. Owner has completed partial demolition of space to include walls, select doors, electrical and mechanical. Contractor is responsible to visit site to evaluate existing conditions and remaining work to be completed. Contractors assessment of remaining work to be completed shall be included in base bid.
- ADD 1-3     Sheet A100, Detail A8 – Floor Plan  
A. Add note to install 5/8” gypsum board from finish floor to 9’-0” AFF on south half of east demising wall.

1. Clarification: South half of east demising wall does not align with north half of wall. Contactor will overlay gypsum board with new layer to match west face of north half of wall.

ADD 1-4 Sheet A100, Detail A8 – Floor Plan

- A. At north masonry wall, revise Wall Type A1 to D1 at all (two) locations. Add R13 Batt Insulation in wall at these locations.
1. Clarification: Existing wall is stud frame wall. Revise construction to match existing wall.

ADD 1-5 Sheet A100, Detail F13 – Plan Key Notes

- A. At Key Note 2.01 revise note to eliminate salvage of hardware for owner.
1. Clarification: Owner does not wish to salvage existing door hardware.

ADD 1-6 Sheet A100, Detail F13 – Plan Key Notes

- A. At Key Notes 2.03 & 2.04 add: “Contractor to remove adequate adhesive to install new tile (Base Bid).”

ADD 1-7 Sheet A200, Detail A9 – Ceiling Plan

- A. Revise ceiling elevations in Vestibule 181 and Shop Area 180 from 8’-8” to 8’-6” AFF.
1. Clarification: Roof drain pipe is 8’-7 ½” AFF to bottom of pipe insulation. New equipment 1, 2 & 3 is stacked and mounted on a table. Top of equipment is 8’-3 ½” AFF based on information provided by user.

ADD 1-8 Sheet A200, Detail F1 - Equipment Schedule

- A. Add Note at #21, Sink Counter: "Sink Counter to be enclosed base work table, model # HB-SS-363 as manufactured by Advance Tabco or equal and be NSF Certified. Size to be 36" wide X 36" deep X 35.5" high with adjustable legs. Counter to have sound deadening top, two hinged doors, satin finish, exposed welds polished to match adjacent surfaces, 18 Gauge type 430 SS Body, 14 Gauge type 304 SS Tabletop and 1 5/8" diameter tubular SS legs."

ADD 1-9 Sheet A200, Detail F7 – Room Finish Schedule, Key and Notes

- A. At Interior Finish Schedule, Room 180, Shop Floor revise delete “(Alt A)” and delete “Unf (Base).”
- B. At Room Finish Schedule Notes, Item #1, Delete “Base Bid: Concrete Floor will remain unfinished” and delete “Alternate Bid Item A:”
- C. Clarification: New VCT will be included in based bid and will NOT be an alternate. Contractor is to remove existing floor finishes as indicated in drawings, remove adhesive as required to install new VCT and install VCT as part of the base bid.

ADD 1-10 Sheet E100, Power Plan

- A. See attached drawing AD01.E100-1. Connect new devices to the existing fire alarm system.
1. Changed existing speakers in Jan. 179 & Office 178 to existing smoke detectors.
  2. Added new smoke detector in Corridor Entry 177A.
  3. Added new horn/strobe in Shop Area 180 (adjacent Corridor Entry 177A).

4. Relocated an additional five-5 existing smoke detectors.
5. Deleted three-3 existing speakers to be relocated.

ADD 1-11 Proposal Sheets BF 1 thru 4.

- A. Delete Pages BF 1 thru 4. Insert sheets BF 1 thru 3 included as attachments to this addendum.
- B. Clarification: Alternate Bid Item has been removed from proposal / bid form.

ADD 1-12 Document 00800, Project Requirement.

- A. Delete Line “18.1 The contractor shall NOT use...”
- B. Add:
  1. Water Service: Water service will be provided to Contractor for reasonable construction uses.
  2. Electrical Power Service: Electrical power from Owner’s existing system is available for use without metering and without payment of use charges. Provide connections and extensions of services as required for construction. The Owner’s electrical power may be used for temporary heat. (Fans supporting and or blowing tempered air from temporary fossil fuel heat sources would be included in Owner provided power. The intent of not using the Owner’s electrical power - the Owner will not allow their use of power for temporary heating systems requiring electricity to be the sole source of BTU generation.) All electrical power for cooling will be by Contractor. Abuse of Owner’s power will result in a written warning for correction by General Contractor. If corrections are not made, notification and resulting termination of Owner’s service provided to the project and Contractor(s). Contractor will then be responsible for providing power for construction related activities.

ADD 1-13 Specification Section 01 1000, Summary.

- A. Delete line 1.04, “2. Alternate “A” (Additive)”. Move Subparagraph “a. Provide and install Resilient Tile Flooring...” to 1. Base Bid item #5.

ADD 1-14 Specification Section 01 2300, Alternates.

- A. Delete specification section entirely.

ADD 1-15 Add Specification Section 07 8400, Firestopping – See attached specification.

ADD 1-16 Add Specification Section 07 9005, Joint Sealers – See attached specification.

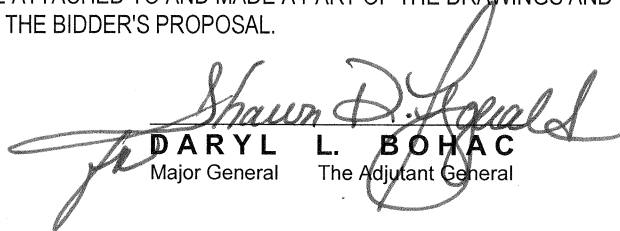
ADD 1-17 Specification Section 08 7100, Door Hardware.

- A. Revise Hardware Set 2.0, Door 181B to:

2	Continuous Hinge	MCK-12HD	CL	MK
1	Removable Mullion	L980A	US28	SA
1	Exit Device	AD8504 862	US32D	SA
1	Exit Device	AD8510 862	US32D	SA
2	Door Closer	351 PSH 351D 581-2	EN	SA

- ADD 1-18 Specifications Section 09 6519, Resilient Tile Flooring.  
A. At title on Page 1, revise “(Alternate “A”)” to “(Base Bid).”
- ADD 1-19 Specification Section 22 0529, Hangers & Supports for Plumbing Piping and Equipment.  
A. Paragraph 1.02, C: Revise Paragraph to read: “See existing conditions / existing structure for structural steel shapes and plates for trapeze hangers for pipe and equipment support.”  
B. Paragraph 1.02, D: This paragraph is deleted from the project manual.
- ADD 1-20 Specification Section 26 0529, Hangers & Supports for Electrical Systems.  
A. Paragraph 2.02, B and Paragraph 3.03, A: Revise Paragraphs to read: “See existing conditions / existing structure for structural steel shapes and plates. Comply with existing conditions unless approved by architect.”
- ADD 1-21 Specification Section 27 1500, Communications Horizontal Cabling.  
A. Paragraph 3.03, A: This paragraph is deleted from the project manual.

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



Attachments



**NEBRASKA ARMY NATIONAL GUARD  
PENTERMAN INTERIOR REMODEL PROJECT**

at the

**Penterman Readiness Center  
2400 NW 24<sup>th</sup> Street  
Lincoln, Nebraska 68524-1892**

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 01 April 2014 the undersigned hereby proposes to furnish all labor, equipment, materials, transportation and supervision, and perform all work for the project titled "**PENTERMAN INTERIOR REMODEL PROJECT, CFMO Project No. 31020035**" at the **Penterman Readiness Center, 2400 NW 24<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:** The project consists of remodeling the NW interior of the Penterman Readiness Center into an AAFES Exchange. The intent of the project is to remodel the place in order to meet the new tenant's requirements. The project includes some demolition, furring of walls, new ceiling grid, painting, network connections, lighting, electrical outlets, electrical circuit changes, HVAC diffuser relocation, and plumbing fixtures, 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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**NEBRASKA ARMY NATIONAL GUARD  
PENTERMAN INTERIOR REMODEL PROJECT**

at the  
**Penterman Readiness Center  
2400 NW 24<sup>th</sup> Street  
Lincoln, Nebraska 68524-1892**

**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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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. \_\_\_\_\_

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

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

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

\_\_\_\_\_  
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 - 3.
4. **Bid Proposal must be signed in BLUE ink.**

## SECTION 07 8400

### FIRE STOPPING

#### PART 1 GENERAL

##### 1.01 SECTION INCLUDES

- A. Fire stopping materials.
- B. Fire stopping of all penetrations and interruptions to fire rated assemblies, whether indicated on drawings or not.

##### 1.02 REFERENCES

- A. ASTM E 119 - Standard Test Methods for Fire Tests of Building Construction and Materials; 2005a.
- B. FM 4991 - Approval of Firestop Contractors; Factory Mutual Research Corporation; 2001.
- C. UL (FRD) - Fire Resistance Directory; Underwriters Laboratories Inc.; current edition.

##### 1.03 SUBMITTALS

- A. See Division 01 Administrative Requirements, for submittal procedures.
- B. Schedule of Fire stopping: List each type of penetration, fire rating of the penetrated assembly, and fire stopping test or design number.
- C. Product Data: Provide data on product characteristics, performance ratings and limitations.
- D. Manufacturer's Installation Instructions: Indicate preparation and installation instructions.
- E. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- F. Qualification statements for installing mechanics.

##### 1.04 QUALITY ASSURANCE

- A. Fire Testing: Provide fire-stopping assemblies of designs, which provide the specified fire ratings when tested in accordance with ASTM E 119.
  - 1. Listing in the current-year classification or certification books of UL, FM, or ITS (Warnock Hersey) will be considered as constituting an acceptable test report.
  - 2. Valid evaluation report published by ICC Evaluation Service, Inc. (ICC-ES) at [www.icc-es.org](http://www.icc-es.org) will be considered as constituting an acceptable test report.
  - 3. Submission of actual test reports is required for assemblies for which none of the above substantiation exists.
- B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years experience.
- C. Installer Qualifications: Company specializing in performing the work of this section and:
  - 1. With minimum three years experience installing work of this type.
  - 2. Able to show at least five satisfactorily completed projects of comparable size and type.
  - 3. Approved by fire stopping manufacturer.
- D. Installing Mechanic's Qualifications: Trained by fire stopping manufacturer and able to provide evidence thereof.

##### 1.05 ENVIRONMENTAL REQUIREMENTS

- A. Comply with fire stopping manufacturer's recommendations for temperature and conditions during and after installation. Maintain minimum temperature before, during, and for three days after installation of materials.
- B. Provide ventilation in areas where solvent-cured materials are being installed.

## **PART 2 PRODUCTS**

### **2.01 FIRESTOPPING ASSEMBLIES**

- A. Firestopping: Any material meeting requirements.
  - 1. Fire Ratings: Use any system listed by UL that has F Rating equal to fire rating of penetrated assembly and T Rating Equal to F Rating and that meets all other specified requirements.

### **2.02 MATERIALS**

- A. Elastomeric Silicone Firestopping: Single component silicone elastomeric compound and compatible silicone sealant; conforming to the following:
  - 1. Durability and Longevity: Permanent.
  - 2. Color: Black, dark gray, or red.
  - 3. Manufacturers:
    - a. A/D Fire Protection Systems Inc: [www.adfire.com](http://www.adfire.com).
    - b. 3M Fire Protection Products: [www.3m.com/firestop](http://www.3m.com/firestop).
    - c. Hilti, Inc: [www.us.hilti.com](http://www.us.hilti.com).
    - d. Specified Technologies, Inc: [www.stifirestop.com](http://www.stifirestop.com).
    - e. Substitutions: See Division 01 Product Requirements.
- B. Foam Firestopping: Single component foam compound conforming to the following:
  - 1. Durability and Longevity: Permanent.
  - 2. Color: Dark grey.
  - 3. Manufacturers:
    - a. 3M Fire Protection Products: [www.3m.com/firestop](http://www.3m.com/firestop).
    - b. Hilti, Inc: [www.us.hilti.com](http://www.us.hilti.com).
    - c. Specified Technologies, Inc: [www.stifirestop.com](http://www.stifirestop.com).
    - d. Substitutions: See Division 01 Product Requirements.
- C. Intumescent Putty: Compound which expands on exposure to surface heat gain; conforming to the following:
  - 1. Potential Expansion: Minimum 1000 percent.
  - 2. Durability and Longevity: Permanent.
  - 3. Color: Black, dark gray, or red.
  - 4. Manufacturers:
    - a. Grace Construction Products: [www.na.graceconstruction.com](http://www.na.graceconstruction.com).
    - b. 3M Fire Protection Products: [www.3m.com/firestop](http://www.3m.com/firestop).
    - c. Hilti, Inc: [www.us.hilti.com](http://www.us.hilti.com).
    - d. Specified Technologies, Inc: [www.stifirestop.com](http://www.stifirestop.com).
    - e. Substitutions: See Division 01 Product Requirements.
- D. Primers, Sleeves, Forms, Insulation, Packing, Stuffing, and Accessories: Type required for tested assembly design.

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Verify openings are ready to receive the work of this section.

### **3.02 PREPARATION**

- A. Clean substrate surfaces of dirt, dust, grease, oil, loose material, or other matter, which may affect bond of fire stopping material.
- B. Remove incompatible materials which may affect bond.
- C. Install backing materials to arrest liquid material leakage.

### **3.03 INSTALLATION**

- A. Install materials in manner described in fire test report and in accordance with manufacturer's instructions, completely closing openings.
- B. Do not cover installed fire stopping until inspected by authority having jurisdiction.
- C. Install labeling required by code.

#### **3.04 CLEANING AND PROTECTION**

- A. Clean adjacent surfaces of fire stopping materials.
- B. Protect adjacent surfaces from damage by material installation.

**END OF SECTION**

## SECTION 07 9005

### JOINT SEALERS

#### PART 1 GENERAL

##### 1.01 SECTION INCLUDES

- A. Sealants and joint backing.
- B. Pre-compressed foam sealers.
- C. Hollow gaskets.

##### 1.02 REFERENCES

- A. ASTM C 834 - Standard Specification for Latex Sealants; 2005.
- B. ASTM C 919 - Standard Practice for Use of Sealants in Acoustical Applications; 2002.
- C. ASTM C 920 - Standard Specification for Elastomeric Joint Sealants; 2005.
- D. ASTM C 1193 - Standard Guide for Use of Joint Sealants; 2005a.
- E. ASTM D 1667 - Standard Specification for Flexible Cellular Materials--Poly(Vinyl Chloride) Foam (Closed-Cell); 2005.
- F. ASTM D 2628 - Standard Specification for Preformed Polychloroprene Elastomeric Joint Seals for concrete Pavements; 1991 (Reapproved 2005).

##### 1.03 SUBMITTALS

- A. See Division 01 Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data indicating sealant chemical characteristics, performance criteria, substrate preparation, limitations, and color availability.
- C. Samples: Submit three samples, 2 x 3/8 inch in size illustrating sealant colors for selection.
- D. Manufacturer's Installation Instructions: Indicate special procedures.

##### 1.04 QUALITY ASSURANCE

- A. Maintain one copy of referenced document covering installation requirements on site.
- B. Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with minimum three years experience.
- C. Applicator Qualifications: Company specializing in performing the work of this section with minimum 2 years experience and approved by manufacturer.

##### 1.05 ENVIRONMENTAL REQUIREMENTS

- A. Maintain temperature and humidity recommended by the sealant manufacturer during and after installation.

##### 1.06 COORDINATION

- A. Coordinate the work with all sections referencing this section.

##### 1.07 WARRANTY

- A. See Division 01 Closeout Submittals, for additional warranty requirements.
- B. Correct defective work within a five year period after Date of Substantial Completion.
- C. Warranty: Include coverage for installed sealants and accessories which fail to achieve airtight seal and watertight seal, exhibit loss of adhesion or cohesion, or do not cure.

#### PART 2 PRODUCTS

## 2.01 MANUFACTURERS

- A. Silicone Sealants:
  - 1. Bostik, Inc: [www.bostik-us.com](http://www.bostik-us.com).
  - 2. GE Silicones: [www.gesilicones.com](http://www.gesilicones.com).
  - 3. Pecora Corporation: [www.pecora.com](http://www.pecora.com).
  - 4. BASF Construction Chemicals, Inc: [www.chemrex.com](http://www.chemrex.com).
  - 5. Substitutions: See Division 01 Product Requirements.
- B. Polyurethane Sealants:
  - 1. Bostik, Inc: [www.bostik-us.com](http://www.bostik-us.com).
  - 2. Pecora Corporation: [www.pecora.com](http://www.pecora.com).
  - 3. BASF Construction Chemicals, Inc: [www.chemrex.com](http://www.chemrex.com).
  - 4. SIKA Corporation: [www.sikaconstruction.com](http://www.sikaconstruction.com).
  - 5. Substitutions: See Division 01 Product Requirements.
- C. Butyl Sealants:
  - 1. Bostik, Inc: [www.bostik-us.com](http://www.bostik-us.com).
  - 2. Pecora Corporation: [www.pecora.com](http://www.pecora.com).
  - 3. Substitutions: See Division 01 Product Requirements.
- D. Preformed Compressible Foam Sealers:
  - 1. Emseal Joint Systems, Ltd: [www.emseal.com](http://www.emseal.com).
  - 2. Sandell Manufacturing Company, Inc: [www.sandellmfg.com](http://www.sandellmfg.com).
  - 3. Dayton Superior Corporation: [www.daytonsuperior.com](http://www.daytonsuperior.com).
  - 4. Substitutions: See Division 01 Product Requirements.

## 2.02 SEALANTS

- A. Sealants and Primers - General: Provide only products having lower volatile organic compound (VOC) content than required by the more stringent of the South Coast Air Quality Management District Rule No.1168.
- B. General Purpose Exterior Sealant: Polyurethane; ASTM C 920, Grade NS, Class 25, Uses M, G, and A; single component.
  - 1. Color: Standard colors matching finished surfaces.
  - 2. Applications: Use for:
    - a. Control, expansion and soft joints in masonry.
    - b. Joints between concrete and other materials.
    - c. Joints between metal frames and other materials.
    - d. Other exterior joints for which no other sealant is indicated.
- C. Exterior Expansion Joint Sealer: Pre-compressed foam sealer; urethane with water-repellent;
  - 1. Size as required to provide weather-tight seal when installed.
  - 2. Provide product recommended by manufacturer for traffic-bearing use.
  - 3. Applications: Use for:
    - a. Exterior wall expansion joints.
- D. General Purpose Interior Sealant: Acrylic emulsion latex; ASTM C 834, Type OP, Grade NF single component, paintable.
  - 1. Color: Standard colors matching finished surfaces.
  - 2. Applications: Use for:
    - a. Interior wall and ceiling control joints.
    - b. Joints between door and window frames and wall surfaces.
    - c. Other interior joints for which no other type of sealant is indicated.
    - d. Seal joint between rubber flooring and tile base, wall tile, or cmu units. Verify sealant color with Architect.
- E. Acoustical Sealant: Butyl or acrylic sealant; ASTM C 920, Grade NS, Class 12-1/2, Uses M and A; single component, solvent release curing, non-skinning.
  - 1. Applications: Use for concealed locations only:

- a. Sealant bead between top stud runner and structure and between bottom stud track and floor.
- F. Interior Floor Joint Sealant: Polyurethane, self-leveling; ASTM C 920, Grade P, Class 25, Uses T, M and A; single component.
  - 1. Approved by manufacturer for wide joints up to 1-1/2 inches.
  - 2. Color: Standard colors matching finished surfaces.
  - 3. Applications: Use for:
    - a. Expansion joints in floors.
- G. Concrete Paving Joint Sealant: Polyurethane, self-leveling; ASTM C 920, Class 25, Uses T, I, M and A; single component.
  - 1. Color: Gray.
  - 2. Applications: Use for:
    - a. Joints in sidewalks and vehicular paving.
- H. Butyl Sealant: ASTM C 920, Grade NS, Class 12-1/2, Uses NT; single component, solvent release, non-skinning, non-sagging.
  - 1. Movement Capability: Plus and minus 12-1/2 percent.
  - 2. Service Temperature Range: -13 to 180 degrees F.
  - 3. Shore A Hardness Range: 10 to 30.
- I. Silicone Sealant: ASTM C 920, Grade NS, Class 25, Uses NT, A, G; single component, solvent curing, non-sagging, non-staining, fungus resistant, non-bleeding.
  - 1. Color: Standard colors matching finished surfaces.
  - 2. Movement Capability: Plus and minus 25 percent.
  - 3. Service Temperature Range: -65 to 180 degrees F.
  - 4. Shore A Hardness Range: 15 to 35.

## **2.03 ACCESSORIES**

- A. Primer: Non-staining type, recommended by sealant manufacturer to suit application.
- B. Joint Cleaner: Non-corrosive and non-staining type, recommended by sealant manufacturer; compatible with joint forming materials.
- C. Joint Backing: Round foam rod compatible with sealant; ASTM D 1667, closed cell PVC; oversized 30 to 50 percent larger than joint width.
- D. Bond Breaker: Pressure sensitive tape recommended by sealant manufacturer to suit application.

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Verify that substrate surfaces and joint openings are ready to receive work.
- B. Verify that joint backing and release tapes are compatible with sealant.

### **3.02 PREPARATION**

- A. Remove loose materials and foreign matter, which might impair adhesion of sealant.
- B. Clean and prime joints in accordance with manufacturer's instructions.
- C. Perform preparation in accordance with manufacturer's instructions and ASTM C 1193.
- D. Protect elements surrounding the work of this section from damage or disfigurement.

### **3.03 INSTALLATION**

- A. Perform work in accordance with sealant manufacturer's requirements for preparation of surfaces and material installation instructions.
- B. Perform installation in accordance with ASTM C 1193.

- C. Perform acoustical sealant application work in accordance with ASTM C 919.
- D. Measure joint dimensions and size joint backers to achieve the following:
  - 1. Width/depth ratio of 2:1.
  - 2. Neck dimension no greater than 1/2 of the joint width.
  - 3. Surface bond area on each side not less than 75 percent of joint width.
- E. Install bond breaker where joint backing is not used.
- F. Install sealant free of air pockets, foreign embedded matter, ridges and sags.
- G. Apply sealant within recommended application temperature ranges. Consult manufacturer when sealant cannot be applied within these temperature ranges.
- H. Tool joints concave.
- I. Pre-compressed Foam Sealant: Do not stretch; avoid joints except at corners, ends and intersections; install with face 1/8 to 1/4 inch below adjoining surface.

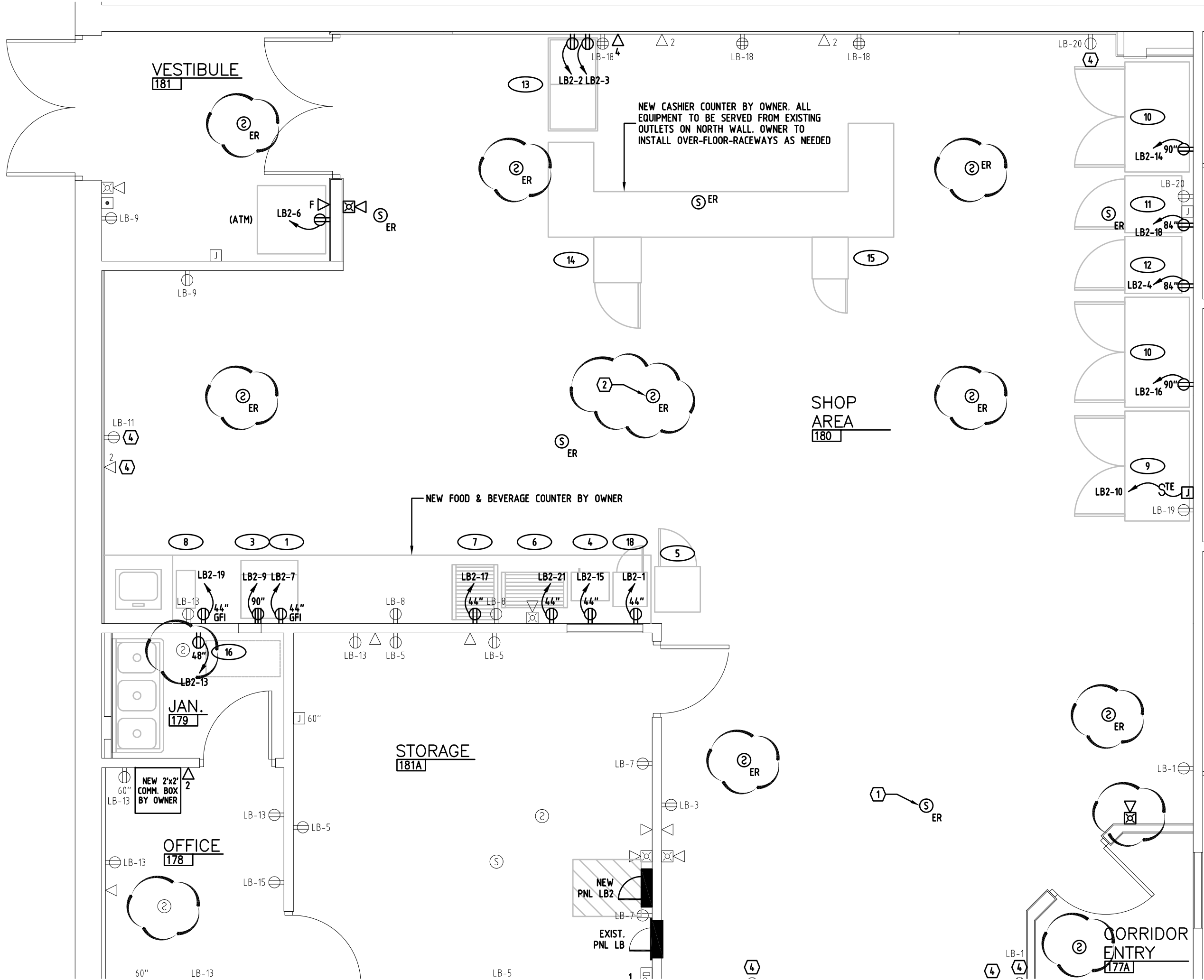
#### **3.04 CLEANING**

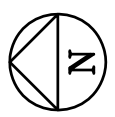
- A. Clean adjacent soiled surfaces.

#### **3.05 PROTECTION OF FINISHED WORK**

- A. Protect sealants until cured.

**END OF SECTION**



<b>A8</b>	<b>POWER PLAN</b>	
	<b>E100</b>	<b>1/4" = 1'-0"</b>

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 2400 NW 24th Street, Lincoln, Nebraska  
 PROJECT #: 14-026  
 ADDENDUM: #1