

Addendum 1



1800 O Street, Ste. 104, Lincoln, Nebraska 68508 (402) 477-6161

January 10, 2013

State of Nebraska HVAC Replacement for South Cottages
Beatrice State Developmental Center

Alvine No. 2011 2582

Bid Date: January 15, 2013

This addendum is hereby made a part of the contract documents to the same extent as though it were originally included therein. Specifications and drawings shall be considered modified or revised as hereinafter described. Revisions to the drawings are referenced by the drawing number.

Changes to the Project Manual

General Specification Items:

1GS1. Pre-Bid Meeting Attendance Roster

1. See attached Pre-Bid Meeting Attendance Roster.

1GS2. Bid Proposal

1. Modify bid proposal to allow for base bid and Alternate No. 1 bid breakout per cottage. See attached Bid Proposal.

Mechanical Specification Items:

1MS1. Section 23 01 30.51 - HVAC Air Duct Cleaning

1. Page 23 01 30.51-2, Article 2.3.A, replace with the following:

“Surface Coating for Fibrous Glass Materials: Black, synthetic latex or water-based, low VOC; anti-microbial mold and mildew resistant, flame spread index less than 25, smoke developed index less than 50, when tested in accordance with ASTM E84. Apply this surface coating to areas of existing lined and unlined ductwork as indicated on the project drawings.”

2. Page 23 01 30.51-4, Article 3.5, add the following:

“F. The duct cleaning contractor shall repair/paint around any existing wall or floor surfaces that are damaged by removal of the existing registers and grilles as part of the duct cleaning process.”

1MS2. Section 23 37 00 - Air Outlets and Inlets

1. Add attached Specification Section 23 37 00 in its entirety.

1MS3. Section 23 54 00 - Furnaces

1. Page 23 54 00-2, Article 2.1, add the following:

“F. Bryant.”

1MS4. Section 23 62 13 – Packaged Air-Cooled or Water-Cooled Refrigerant Compressor and Condenser Units

1. Page 23 62 13-2, Article 2.1, add the following:

“F. Bryant.”

Changes to Drawings

Mechanical Drawing Items:

1MD1. Sheet M100 - Crawl Space - Mechanical and Details

1. Add one volume control damper per cottage to the existing 8” x 6” supply air duct serving the northernmost sidewall register in Dining and Lounge 02 for Cottages 418 and 422, and the southernmost sidewall register in Dining and Lounge 02 for Cottages 420 and 424.
2. Add the following to the end of Flag Note No. 10:
“Slip-in volume control dampers may be used.”

1MD2. Sheet M200 - Enlarged Floor Plans - Mechanical

1. Enlarged Mechanical Room Floor Plan— Mechanical Demolition 1/M200
 - A. Add Flag Note No. 24 and point it to the existing AHU-1.
 - B. Flag Note No. 24 shall be noted as follows:
“Remove all LPS and LPR piping serving existing AHU-1 down through the floor and patch floors to match existing.”

1MD3. Sheet M300 - Enlarged Floor Plans - Mechanical

1. Modify the Gas Water Heater Detail 2/M300 as indicated on attached Mechanical Sketch Sheet MS-1.

Electrical Drawing Items:

1ED1. Sheet E000 - Electrical Symbols, Abbreviations, and Symbols

1. Equipment Connection Schedule
 - A. Modify Furnace FUR-1 and Furnace FUR-2 "HP" to be "3/4" instead of "1".

1ED2. Sheet E200 - Enlarged Floor Plans - Electrical

1. Add the following to the end of General Note No. 1:
"Security Services has performed fire alarm work at the BSDC previously, other contractors will be considered based on qualifications."
2. Add General Note No. 2 as follows:
"The Electrical Contractor shall be responsible for acquisition of and payment for all permits required by the authorities having jurisdiction (State Electrical Inspector) over this project site. The Electrical Contractor shall also be responsible for scheduling and attendance of all inspections required upon completion of the work, and shall pay all fees associated with such inspections."
3. Enlarged Mechanical Room - Electrical Plan 2/E200
 - A. Add Flag Note No. 4 and point it at the existing fire alarm junction box.
 - B. Flag Note No. 4 shall be noted as follows:
"Relocate the existing fire alarm junction box and associated wiring, as necessary, to allow for the installation of vertical ductwork between FUR-2 and the existing fire alarm junction box (See 2/M200)."

END

PAB/mkm/mlh

BID PROPOSAL

Rodney Anderson, Administrator
DAS/State Building Division
Lincoln, Nebraska, 68508-2707

The undersigned, being familiar with local conditions affecting the cost of the work, and the Proposed Contract Documents, including the Advertisement for Bids, Instructions to Bidders, Proposal Form, Contract Form, Form of Contract Performance And Payment Bond, Form of Appointment of Purchasing Agent, Form of Exempt Sales/Use Tax Certificate, General Conditions, Special Conditions, Specifications and Plans all on file in the Office of the DAS/State Building Division, Lincoln, Nebraska, hereby proposes to furnish all plant, equipment, transportation, materials, tools, labor and skills necessary and required to perform all work as described in the Proposed Contract Documents entitled:

State of Nebraska
State of Nebraska HVAC Replacement for South Cottages Beatrice State Developmental Center

all in strict accordance with the Proposed Contract Documents including Addenda Numbers _____, _____, and _____, issued and attached thereto -

Bidders shall acknowledge the receipt of any and all addenda issued in the space provided above.

Base Bid for the contract sum of:

Cottage 418: _____ \$ _____
Cottage 420: _____ \$ _____
Cottage 422: _____ \$ _____
Cottage 424: _____ \$ _____

Alternate No. 1 for cleaning the existing ductwork and for sealing the existing duct and duct liner, as noted on Sheet M100, add sum of:

Cottage 418: _____ \$ _____
Cottage 420: _____ \$ _____
Cottage 422: _____ \$ _____
Cottage 424: _____ \$ _____

The undersigned agrees to complete all work within _____ calendar days following the award of the Contract.

The undersigned states that he is complying with, and will continue to comply with, fair labor standards in the pursuit of his business and in the execution of the contract on which he is bidding.

The undersigned acknowledges having reviewed provisions outlined for exemption of payment of sales taxes to the State of Nebraska and also understands the requirements for registration of any and all nonresident contractors and subcontractors with the Nebraska Department of Revenue.

Bid security is required and accompanies this proposal, the same being subject to forfeiture in the event of default by the undersigned.

In submitting this bid, it is understood that the right is reserved by the DAS/State Building Division to reject any or all bids and to waive informalities, and it is further agreed that this bid may not be withdrawn during the period of sixty (60) days following the scheduled closing time for receipt of the bids.

Date

Firm Name

By

Address

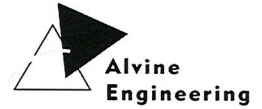
Title

Address

Firm's Federal Identification Number _____

Firm's Phone Number _____

Attendance Roster



1800 O Street, Ste. 104, Lincoln, Nebraska 68508 (402) 477-6161

January 4, 2013

State of NE BSDC HVAC Replacement for South Cottages

Alvine No. 2011 2582

Meeting Location: BSDC - Chapel

Purpose: Pre-Bid Meeting

✓	Name	Organization/ Company	E-Mail	Phone No.	Fax No.	Cell Phone No.
	Joel VIDLAK	Dickey & Burkam Inc.	joel.vidlak.dbi@gmail.com	402-421-6000		402-610-0262
	Mat Peters	Boatman Mechanical Service		402-223-5663		402-223-7887
	SCOT MORITZ	CLEAR AIR DUCT CLEANING	sales@clearairinc.com	515-963-5944	515-963-5355	
	Ed Warholoski	Bryant A/C	edw@bryantlincoln.com	402-467-1111	402-467-2791	402-610-2508
	Fred DeVries	BSDC	Fred.devries@Nebraska.gov	402-223-6166	402-223-6136	402-229-8789
	Paul Bauman	Alvine Engineering	pbauman@alvine.com	402-477-6161	402-477-9616	402-201-4836

SECTION 23 37 00
AIR OUTLETS AND INLETS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Roof hoods.

1.2 REFERENCE STANDARDS

- A. AMCA 500-L - Laboratory Methods of Testing Louvers for Rating; Air Movement and Control Association International, Inc..
- B. ASHRAE Std 70 - Method of Testing for Rating the Performance of Air Outlets and Inlets; American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc..
- C. SMACNA (DCS) - HVAC Duct Construction Standards - Metal and Flexible; Sheet Metal and Air Conditioning Contractors' National Association.

1.3 SUBMITTALS

- A. Product Data: Provide data for equipment required for this project. Review outlets and inlets as to size, finish, and type of mounting prior to submission. Submit schedule of outlets and inlets showing type, size, location, application, and noise level.
- B. Product Data: For each model indicated, include the following:
 - 1. Data Sheet: For each type of air outlet and inlet, and accessory furnished; indicate construction, finish, and mounting details.
 - 2. Performance Data: Include static-pressure drop, and noise ratings for each type of air outlet and inlet.
 - 3. Assembly Drawing: For each type of air outlet and inlet; indicate materials and methods of assembly of components.
- C. Project Record Documents: Record actual locations of air outlets and inlets.

1.4 QUALITY ASSURANCE

- A. Test and rate air inlet performance in accordance with ASHRAE Std 70.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the type of products specified in this section, with minimum five years of documented experience.
- B. Product Options: Drawings and schedules indicate specific requirements of hoods and are based on the specific requirements of the systems indicated. Other manufacturers' products with equal performance characteristics may be considered.
- C. Product Options: Drawings indicate size, profiles, and dimensional requirements of intake hoods and are based on the specific equipment indicated.
 - 1. Do not modify intended aesthetic effects, as judged solely by Design Professional, except with Design Professional's approval. If modifications are proposed, submit comprehensive explanatory data to Design Professional for review.

PART 2 PRODUCTS

2.1 PERFORMANCE, CAPACITIES AND CHARACTERISTICS

- A. See Drawings for Equipment Schedules with Equipment Performance Requirements when capacities and characteristics are not indicated in the specifications.

2.2 MANUFACTURED UNITS

- A. General: Sizes, types and capacities shall be as indicated.

2.3 ROOF HOODS

- A. Manufacturers:
 - 1. Acme Engineering & Mfg. Corp.
 - 2. Aerovent; a Twin City Fan company.
 - 3. Carnes.
 - 4. Greenheck.
 - 5. JencoFan.
 - 6. Loren Cook Company.
 - 7. Penn Ventilation.
- B. Fabricate air inlet or exhaust hoods in accordance with SMACNA HVAC Duct Construction Standards - Metal and Flexible.
- C. Fabricate of aluminum minimum 16 gage base and 18 gage hood; suitably reinforced; with removable hood; birdscreen with 3/4 inch square mesh for intake.
- D. Roof Curbs: Galvanized-steel sheet; with mitered and welded corners; 1-1/2-inch-thick, rigid fiberglass insulation adhered to inside walls; and 1-1/2-inch wood nailer. Size as required to fit roof opening, roof slope, and ventilator base.
 - 1. Configuration: Built-in cant and mounting flange.
 - 2. Overall Height: 20 inches.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine areas where roof hoods are to be installed for compliance with requirements for installation tolerances and other conditions affecting performance of equipment. Do not proceed with installation until unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install intake hoods level, plumb, and at indicated alignment with adjacent work. Install roof curb level on the sloped roofs. Install with openings no less than 20 inches above finished roof surface.
- C. Install intake hoods with clearances for service and maintenance.
- D. Repair finishes damaged by cutting, welding, soldering, and grinding. Restore finishes so no evidence remains of corrective work. Return items that cannot be refinished in the field to the factory, make required alterations, and refinish entire unit or provide new units.

3.3 CLEANING

- A. After installation of hoods inspect exposed finish. Clean exposed surfaces to remove burrs, dirt, and smudges. Replace hoods that have damaged finishes.

END OF SECTION

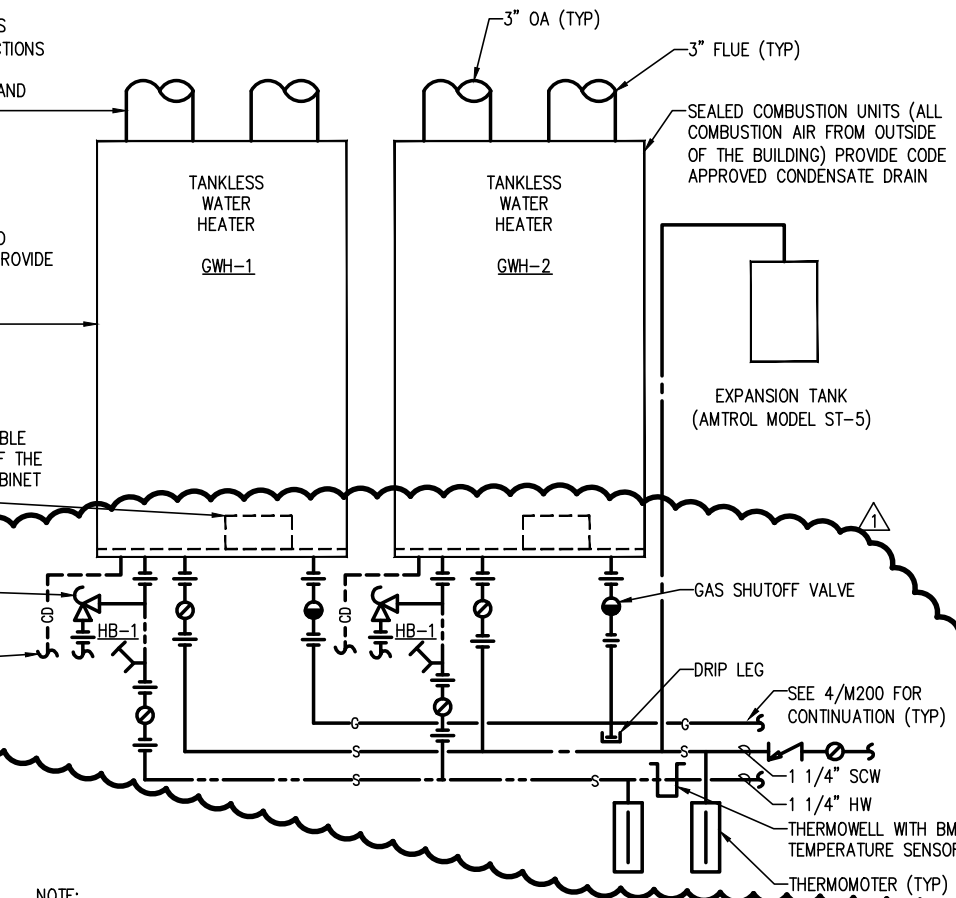
VENTING MUST COMPLY WITH NATIONAL CODES, LOCAL CODES AND MANUFACTURER'S INSTRUCTIONS COORDINATE ROUTING AND TERMINATION WITH DUCTWORK AND OUTSIDE AIR INTAKES

UNIT SHALL BE WALL MOUNTED ABOVE EXISTING WALL MOUNTED DRYER VENT DUCTWORK AND PROVIDE ALL CLEARANCES PER MANUFACTURER AND CODE REQUIREMENTS (TYP)

INSTALL MOISTURE SENSING CABLE ALONG THE FULL PERIMETER OF THE BOTTOM OF WATER HEATER CABINET AND CONNECT TO BMS (TYP)

PRESSURE AND TEMPERATURE RELIEF VALVE PIPE TO FLOOR DRAIN (TYP)

ROUTE CD TO EXISTING FLOOR DRAIN (TYP)



NOTE:

1. FLUE AND COMBUSTION AIR PIPING SHALL BE PVC AND SHALL BE ROUTED PER MANUFACTURER'S RECOMMENDATIONS.

GAS WATER HEATER DETAIL

SCALE: NO SCALE

2
M300



HVAC REPLACEMENT FOR SOUTH COTTAGES, BEATRICE STATE DEVELOPMENTAL CENTER

PROJECT NO.	DATE	DRAWING REFERENCED:	M300	SKETCH
20112582	2013-01-08	ADDENDUM NO.:	1	MS-1