

# Addendum 1



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

June 11, 2013

State of NE BSDC Building No. 15 Cooling Tower  
Replacement

Alvine No. 2012 3174

**Bid Date:** June 18, 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. Current Plan Holder List

1. See attached list of current plan holders from the A&D Technical Supply's online plan room.

### Mechanical Specification Items:

#### 1MS1. Section 23 07 19 – HVAC Piping Insulation

1. Page 23 07 19-3, Article 3.04.A.1., replace with the following:
  - “1. All Pipe Sizes: Insulation shall be any of the following: (Pipe insulation may be omitted if galvanized steel piping is provided):”
2. Page 23 07 19-4, Article 3.05.C., replace with the following:
  - “C. Piping, Exposed: (Pipe jacket may be omitted if galvanized steel piping is provided):”

#### 1MS2. Section 23 09 93 – Sequence of Operations for HVAC Controls

1. Page 23 09 93-4, Article 3.03.H.2.c., replace with the following:
  - “c. Condenser water system treatment alarm – General alarm contact from existing condenser water system chemical controller.”
2. Page 23 09 93-4, Article 3.03.H.4.c., delete this article.

1MS3. Section 23 21 13 – Hydronic Piping

1. Page 23 21 13-3, Article 2.03, add the following:
  - “D. Steel Pipe: ASTM A53/A53M, Schedule 40 galvanized.
    1. Grooved Joints: AWWA C606 grooved pipe, galvanized steel, and mechanical couplings.”
2. Page 23 21 13-6, Article 2.09.B., replace with the following:
  - “B. Body: Ductile iron with resilient replaceable EPDM seat, wafer, lug, or grooved ends, extended neck.”
3. Page 23 21 13-7, Article 2.12.A., add the following:
  - “6. Patterson.”
4. Page 23 21 13-7, Article 2.13.A., add the following:
  - “9. Pro Hydronic Specialties.”

1MS4. Section 23 21 14 – Hydronic Specialties

1. Page 23 21 14-2, Article 2.02.A., add the following:
  - “5. Patterson.”

1MS5. Section 23 25 00 – HVAC Water Treatment

1. Page 23 25 00-1, Article 1.05.B.1., replace with the following:
  - “1. Condenser Water, Medium-to-Large Cooling Tower System: Maintain system essentially free of scale, total suspended solids, and fouling to sustain the following water characteristics (use the stricter of these water characteristics or the cooling tower manufacturer’s required water characteristics):
    - a. Iron: Less than 3.0 ppm
    - b. Copper: 0 ppm
    - c. pH: 7.0 to 8.0
    - d. Hardness as CaCO<sub>3</sub>: 30 to 500 ppm
    - e. Alkalinity as CaCO<sub>3</sub>: 30 to 500 ppm
    - f. Chlorides: Less than 200 ppm
    - g. Sulfates: Less than 200 ppm
    - h. Manganese: Less than 0.1 ppm
    - i. Nitrates: Less than 100 ppm
    - j. Ammonia: Less than 2.0 ppm
    - k. Total Dissolved Solids: Less than 1000 ppm

2. Provide passivation of the cooling tower's galvanized steel surfaces for eight weeks after initial cooling tower start up and per the cooling tower manufacturer's recommendations."

### **Changes to Drawings**

#### Mechanical Drawing Items:

##### 1MD1. Sheet M011 – Roof Plan – Mechanical Demolition

1. Revise Flag Note No. 3 to read as follows:  
  
"The Owner shall have all asbestos containing materials removed from the existing cooling tower via a separate contract."
2. Revise the first two sentences of Flag Note No. 4 to read as follows (keep the remaining wording):  
  
"The Owner shall have all asbestos containing materials removed from the existing cooling tower via a separate contract."

##### 1MD2. Sheet M101 – Roof Plan – Mechanical

1. Revise Flag Note No. 7 to use galvanized steel bolts and nuts for all connections instead of stainless steel bolts and nuts.
2. Revise Flag Note No. 9 to use galvanized steel bolts and nuts for all connections instead of stainless steel bolts and nuts.
3. Revise Flag Note No. 13 to read as follows:  
  
"CS/R piping shall be as specified in Section 232113. Provide pipe insulation and jacket on exterior piping where required per specification Section 230716. CS/R piping shall be supported with gliding insulation saddles (Polyguard – AlumaGlide or equal) to protect the insulation jacket where an insulation jacket is required."

##### 1MD3. Sheet M200 – Mechanical Details & Schedules

1. Cooling Tower Schedule:
  - A. Revise Remark No. 4 to read as follows:  
  
"(4) Provide with factory mounted vibration switch, but field wiring shall be coordinated to be performed by the electrical contractor."
  - B. Add the following Remark to this schedule:  
  
"(13) Provide cottonwood seed filters with mesh vinyl coated polyester which is UV, mold, mildew, and flame resistant and mount with quick release fasteners over the cooling tower inlet louvers."

Electrical Drawing Items:

1ED1. Sheet E200 – Electrical Schedules

1. Equipment Connection Schedule, Mark CP-2, Note 2 – Change the Note to read as follows:

“Reuse existing combination motor starter/ disconnect, provide new overloads.”

END

# Attendance Roster

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



June 4, 2013

State of NE BSDC Building No. 15 Cooling Tower Replacement

Alvine No. 2012 3174

Meeting Location:

BSDC Building No. 15 - E. 1<sup>st</sup> Flr Entrance

Purpose:

Pre-Bid Meeting

✓	Name	Organization/ Company	E-Mail	Phone No.	Fax No.	Cell Phone No.
	Scott Daniels	AJ/SRD		402-471-0413		
	John Schuler	Nifco	P.wilhelm@nifco.wmchevrolet.com	402-479-0666	402-479-2314	402-500-1787
	Bob Foust	Alvine Engineering	RFoust@alvine.com	477-6161		
	DENNIS SCHUYER	BRATRICE MESH	DSCHUYER@BRATRICEMESH.COM	402-223-5648		
	Brad Withnack	ABC Electric Co.	brad@abcelectric.net	402-435-3514	402-435-6091	
	Jeff Cooper	Midlands Mechanical	jeffcooper@midlandmech.com	402-446-2772	402-2778	
	Rick Vogel	B.S.D.C	Rick.Vogel@bsdcc.com	235-4675		
	Chad Wright	SEA-WHARTON MECH	chad@seawhartonmech.com	408-784-9121	402-784-9121	409-610-5358
	Hain Lichtstrom	Lightstrom P/B	hain@lightstrom.com	402-228-3000		
	DODD P. HINDS	DICKER & BURMAN	DODD.HINDS@DICKER.COM	402-610-0348		
	Kyle Anderson	JCI	Kyle.W.Anderson@JCI.com	402-651-6390		

Adam Nilsen

JCI

Adam.Nilsen@JCI.com

402-238-6915

Paul Bauman

Alvine Engineering

pbauman@alvine.com

402-477-6161 402-477-9616 402-201-4836

**Plan Holder List for 'State of Nebraska Beatrice Developmental Center Building 15'**

<b>Company Information</b>	<b>CSI Codes</b>	<b>Contact Information</b>	<b>Status Date Filled Date Returned</b>	<b>Delivery Method Tracking Number</b>
Alvine Associates 1800 O Street Lincoln, NE 68508	Architect	Paul Bauman Phone: (402) 477-6161 Fax: (402) 477-9616	Filled 05/22/2013	Pickup - Customer Pick Up / Lincoln
Dickey & Burham Inc PO Box 22555 Lincoln, NE 68542-2555	GENERAL	Kevin Herr Phone: (402) 421-6000 Fax: (402) 421-6021	Filled 05/29/2013	Pickup - Customer Pick Up / Lincoln
Johnson Controls/Lincoln 2133 Cornhusker Hwy STE 200 Lincoln, NE 68521	MECHANICAL	Jeff Crouse Phone: (402) 435-4924 Fax: (402) 435-4994	Filled 06/03/2013	Pickup - Customer Pick Up / Lincoln
Lincoln Builders Bureau 5910 S. 58 St Suite C Lincoln, NE 68516	PLAN ROOM	Rhonda Gutknecht Phone: (402) 421-8332 Fax: (402) 421-8334	Filled 05/22/2013	Delivery - A & D Delivery Lincoln
Mcgraw Hill Dodge/Arkansas - Hard Copy Plans 3315 Central Ave. Hot Springs, AR 71913	PLAN ROOM	plan room Phone: (817) 375-2959 Fax: (501) 625-3544	Filled 05/22/2013	Ship - UPS Ground
Nifco Mechanical Systems 500 Blue Heron Dr Lincoln, NE 68522	MECHANICAL	Mark Long Phone: (402) 477-0666 Fax: (402) 477-2314	Filled 06/03/2013	Pickup - Customer Pick Up / Lincoln
Omaha Builders Exchange 4255 S. 94th St Omaha, NE 68127	PLAN ROOM	Lisa Shockey Phone: (402) 593-6908 Fax: (402) 593-6912	Filled 05/22/2013	Delivery - A & D Delivery Omaha
Shanahan Mech & Elec 202 W 2nd P O Box 188 Valparaiso, NE 68065	Mechanical/Electrical	Jill Sydik Phone: (402) 784-2381 Fax: (402) 784-2288	Filled 06/05/2013	Pickup - Customer Pick Up / Lincoln
The Waldinger Corporation 2601 Ball Ave. Des Moines, IA 50321	MECHANICAL	Matt Trewet Phone: (515) 284-1911 Fax: (515) 323-5150	Filled 06/04/2013	Pickup - Customer Pick Up / Lincoln
Vision Mechanical 4700 Douglas Cir. Lincoln, NE 68504	HVAC / Mechanical	Chad Francisco Phone: (402) 466-0087 Fax: (402) 466-7593	Filled 05/23/2013	Pickup - Customer Pick Up / Lincoln
Walt Broer Construction 2455 W Van Dorn Lincoln, NE 68522	Construction	Walt Broer Phone: (402) 435-5557 Fax: (402) 435-2625	Filled 06/04/2013	Pickup - Customer Pick Up / Lincoln