



State of Utah

JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

Department of Administrative Services

KIMBERLY K. HOOD  
Executive Director

Division of Facilities Construction and Management

DAVID G. BUXTON  
Director

# ADDENDUM #1

Date: March 25, 2008

	<u>Contact</u>	<u>fax</u>
To: Utah Controls	John Densley	801-990-1955
MSS Mechanical	Harry L.	801-565-0615
K.O.H. Mechanical	Lynn Hannsen	801-254-6374
Commercial Service Unit	Jan Garner	801-396-1720
Pinnacle HVAC	R. Davis	435-472-0864

From: Craig Wessman, Project Manager, DFCM

Reference: HVAC Upgrade – Phase II Bunnell Dmitrich Athletic Center (BDAC)  
College of Eastern Utah – Price, Utah  
DFCM Project No. 06162610

Subject: Addendum No. 1

Pages	Addendum	1	page
	Revised Project Schedule	1	page
	Revised Bid Form	2	pages
	<u>Engineer's Addendum</u>	<u>16</u>	<u>pages</u>
	Total	20	pages

**Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.**

- 1.1 **SCHEDULE CHANGES** – There are changes to the project schedule.  
 Addendum Deadline – **Tuesday, March 25, 2008 at 2:00 PM**  
 Bids and Bid Bonds Due – **Thursday, March 27, 2008 at 2:30 PM**  
 Sub-Contractors Lists Due – **Friday, March 28, 2008 at 2:30 PM**

1.2 **GENERAL** – The 2008 Utah Legislature passed SB 220 entitled: "Cause of Action for Defective Construction." The Governor of the State of Utah has signed the bill. The bill becomes effective 60 days after the close of the 2008 Legislative General Session. While we contend that SB220 should only be potentially applicable to a contract issued after the effective date of said bill, this is to clarify that for purposes of this contract, regardless of the execution or effective dates of this contract, the status of Utah Law and remedies available to the State of Utah and DFCM, as it relates to any matter referred to or affected by said SB220, shall be the Utah law in effect at the time of the issuance of this Addendum..





STATE OF UTAH - DEPARTMENT OF ADMINISTRATIVE SERVICES

**Division of Facilities Construction and Management**

**DFCM**

**PROJECT SCHEDULE – REVISED  
PER ADDENDUM NO. 1 DATED MARCH 25, 2008**

<b>PROJECT NAME:</b>	<b>HVAC UPGRADE - PHASE II BUNNELL DMITRICH ATHLETIC CENTER (BDAC) COLLEGE OF EASTERN UTAH – PRICE, UTAH</b>			
<b>DFCM PROJECT NO.</b>	<b>06162610</b>			
<b>Event</b>	<b>Day</b>	<b>Date</b>	<b>Time</b>	<b>Place</b>
Bidding Documents Available	Tuesday	February 26, 2008	12:00 NOON	DFCM 4110 State Office Bldg SLC, UT and the DFCM web site *
<b>Mandatory Site Visit</b>	Wednesday	March 12, 2008	12:00 NOON	Main Lobby Bunnell Dmitrich Athletic Ctr College of Eastern Utah Price, Utah
Last Day to Submit Questions	Wednesday	March 19, 2008	4:00 PM	Craig Wessman – DFCM E-mail: cwessman@utah.gov Fax (801)-538-3267
<b>Addendum Deadline (exception for bid delays)</b>	<b>Tuesday</b>	<b>March 25, 2008</b>	<b>2:00 PM</b>	DFCM web site *
<b>Prime Contractors Turn In Bid and Bid Bond</b>	<b>Thursday</b>	<b>March 27, 2008</b>	<b>2:30 PM</b>	DFCM 4110 State Office Bldg SLC, UT *
<b>Sub-contractor List Due</b>	<b>Friday</b>	<b>March 28, 2008</b>	<b>2:30 PM</b>	DFCM 4110 State Office Bldg SLC, UT Fax (801)-538-3677
Substantial Completion Date	Friday	August 8, 2008		

\* **NOTE:** DFCM's web site address is <http://dfcm.utah.gov>



STATE OF UTAH - DEPARTMENT OF ADMINISTRATIVE SERVICES

Division of Facilities Construction and Management

DFCM

BID FORM – REVISED
PER ADDENDUM NO. 1 DATED MARCH 25, 2008

NAME OF BIDDER \_\_\_\_\_ DATE \_\_\_\_\_

To the Division of Facilities Construction and Management
4110 State Office Building
Salt Lake City, Utah 84114

The undersigned, responsive to the "Notice to Contractors" and in accordance with the "Instructions to Bidders", in compliance with your invitation for bids for the HVAC UPGRADE - PHASE II BUNNELL DMITRICH ATHLETIC CENTER (BDAC) - COLLEGE OF EASTERN UTAH – PRICE, UTAH - DFCM PROJECT NO: 06162610 and having examined the Contract Documents and the site of the proposed Work and being familiar with all of the conditions surrounding the construction of the proposed Project, including the availability of labor, hereby proposes to furnish all labor, materials and supplies as required for the Work in accordance with the Contract Documents as specified and within the time set forth and at the price stated below. This price is to cover all expenses incurred in performing the Work required under the Contract Documents of which this bid is a part:

I/We acknowledge receipt of the following Addenda: \_\_\_\_\_

BASE BID: For all work shown on the Drawings and described in the Specifications and Contract Documents, I/we agree to perform for the sum of:

\_\_\_\_\_ DOLLARS (\$) \_\_\_\_\_
(In case of discrepancy, written amount shall govern)

UNIT PRICE: \$ \_\_\_\_\_ /LF of driven-screw pier

I/We guarantee that the Work will be Substantially Complete by August 8, 2008, should I/we be the successful bidder, and agree to pay liquidated damages in the amount of \$210.00 per day for each day after expiration of the Contract Time as stated in Article 3 of the Contractor's Agreement.

This bid shall be good for 45 days after bid opening.

Enclosed is a 5% bid bond, as required, in the sum of \_\_\_\_\_

The undersigned Contractor's License Number for Utah is \_\_\_\_\_

Upon receipt of notice of award of this bid, the undersigned agrees to execute the contract within ten (10) days, unless a shorter time is specified in the Contract Documents, and deliver acceptable Performance and Payment bonds in the prescribed form in the amount of 100% of the Contract Sum for faithful performance of the contract.

The Bid Bond attached, in the amount not less than five percent (5%) of the above bid sum, shall become the property of the Division of Facilities Construction and Management as liquidated damages for delay and additional expense caused thereby in the event that the contract is not executed and/or acceptable 100% Performance and Payment bonds are not delivered within the time set forth.

Type of Organization:

\_\_\_\_\_  
(Corporation, Partnership, Individual, etc.)

Any request and information related to Utah Preference Laws:

\_\_\_\_\_

Respectfully submitted,

\_\_\_\_\_  
Name of Bidder

ADDRESS:

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Authorized Signature



---

SCOTT P. EVANS – ARCHITECT & ASSOCIATES P.C.

Monday, March 24, 2008 (2:00pm)

PROJECT:

**COLLEGE OF EASTERN UTAH**  
**BUNNEL – DMITRICH ATHLETIC CENTER**  
**HVAC UPGRADE – PHASE II**

COLLEGE OF EASTERN UTAH  
PRICE, UTAH  
D.F.C.M. PROJECT #06162610

**ADDENDUM NO. # 1**

The data included herein is issued by the Architect as a clarification and addition to drawings, specifications, and contract documents relative to the above project. Except as effected by data herein, all other parts of the Contract Documents shall remain in full force and effect as issued by the Architect, *February 18, 2008* (This Date Applies to all Project Bid Documents). It shall be the sole responsibility of the bidder to appropriately disseminate this data to all concerned prior to the assigned bid date and time. **Receipt of the addendum shall be recorded by the bidder in the appropriate space on the proposal form included in the Contract Documents.**

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*“Our Success Is Measured By The Level Of Our Client’s Success”.*

SCOTT P. EVANS – ARCHITECT & ASSOCIATES P.C.  
108 West Center Street, Bountiful, Utah 84010  
Phone 801-298-1368 Fax 801-298-2192  
info@spe-architect.com - www.spe-architect.com

# I. CIVIL

A. DRAWING ITEMS:  
(none)

B. SPECIFICATION ITEMS

**add Section 01270 - UNIT PRICES** as follows:

## **SECTION 02250 - SHORING AND UNDERPINNING- SCREW PIERS**

Add paragraph as follows:

- A. The Contractor is advised that he will be unilaterally responsible for safe and proper Work Standards When excavating near:
1. Existing underground Medium Voltage wires that are connected to existing transformer (see Bid Drawing AS-102 for related Plan C1 and keyed note #28 and location).
  2. Existing underground Standard Voltage wires for light poles power supply.
  3. Excavating near existing underground drainage fields and trenches.
  4. Any other potentially dangerous or vital Site Utilities.

**NOTE:** First Phase redlined drawings, with **approximate** locations of the above items, is now in the College of Eastern Utah Plan Room, which is located next to Sheila Burghardt's office (Maintenance Supervisor, 435-820-4175). These drawings may be viewed by Contractors during business hours.

## **II. LANDSCAPING**

(NONE)

### **III. ARCHITECTURAL**

# A. PRODUCT AND MANUFACTURER APPROVALS AND STIPULATIONS

## 1. PRIOR APPROVALS:

The following manufacturers, trade names and products are allowed to bid on a name-brand-only basis with the provision that they completely satisfy all and every requirement of the drawings, specifications and all addenda and shall conform to the design, quality and standards specified, established and required for the complete and satisfactory installation and performance of the building and all its respective parts.

<b><u>Product or Item</u></b>	<b><u>Manufacturer</u></b>	<b><u>Approvals &amp; Stipulations:</u></b>
02250 - Screw Piers	Fasteel Systems	Approved
02250 - Helical Piers	Helical Piers Inc.	Approved

## **B. SPECIFICATION ITEMS**

Add Section 01270 – Unit Prices as follows

### **“SECTION 01270 - UNIT PRICES”**

#### PART 1 - GENERAL

##### 1.1 RELATED DOCUMENTS

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

##### 1.2 SUMMARY

- A. This Section includes administrative and procedural requirements for unit prices.
- B. Related Sections include the following:
  - 1. Division 1 Section "Contract Modification Procedures" for procedures for submitting and handling Change Orders.
  - 2. Division 1 Section "Quality Requirements" for general testing and inspecting requirements.
  - 3. Division 02250 Section "Shoring and Underpinning – Screw Piers" for procedures for measurement and payment for embedment of screw pier underpinning.

##### 1.3 DEFINITIONS

- A. Unit price is an amount proposed by bidders, stated on the Bid Form, as a price per unit of measurement for materials or services added to or deducted from the Contract Sum by appropriate modification, if estimated quantities of Work required by the Contract Documents are increased or decreased.

##### 1.4 PROCEDURES

- A. Unit prices include all necessary material, plus cost for delivery, installation, insurance, applicable taxes, overhead, and profit.
- B. Measurement and Payment: Refer to individual Specification Sections for work that requires establishment of unit prices. Methods of measurement and payment for unit prices are specified in those Sections.
- C. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.

- D. List of Unit Prices: A list of unit prices is included in Part 3. Specification Sections referenced in the schedule contain requirements for materials described under each unit price.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 LIST OF UNIT PRICES

- A. Place Unit Prices on Bid Proposal.
- B. Copy and re-edit paragraph and subparagraphs below for each unit price required for Project. See samples of unit-price descriptions in the Evaluations.

- A. **Unit Price No. 1** – Unit Cost per lineal foot of driven Screw piers

This additive or deductive Unit Cost is provided to adjust the final total cost of Screw Piers, either up or down, using the following “Unit Cost Per Lineal Foot of Screw Piers.

UNIT COST PER LINEAL FOOT OF SCREW PIER DEPTH: \$ \_\_\_\_\_ PLF

Revise Project Screw Pier cost by multiplying the difference between the actual and the estimated driven Screw Pier lengths by the above Unit Cost and balancing these amounts to achieve the final total cost.

END OF SECTION 01270”

**SECTION 02250 - SHORING & UNDERPINNING- SCREW PIERS**

Revise paragraph 1.8.A – Bidding as follows:

1.8 – Bidding:

“A. Bid Screw Piers assuming 20’-0” of embedment.”

**C. DRAWINGS ITEMS**

**Drawing Title page:**

Change Spectrum Engineers’ telephone number to 801-328-5151

**D. SUPPLEMENTARY DRAWINGS**  
(NONE)

**E. SUPPLEMENTARY SPECIFICATIONS**  
(NONE)

# **IV. STRUCTURAL**

(NONE)

# **V. MECHANICAL**

## ADDENDUM

**DATE:** March 19, 2008  
**PROJECT NO:** 6203  
**PROJECT:** CEU BDAC Phase II

### DIVISION - 15

#### DRAWINGS

SHEET - MS-1 Mechanical Site Plan

1. Gas piping installed along fence line during Phase I. Contractor to tie into Phase I gas piping to serve new units in Phase II.

SHEET - MP-2.1 & MP-2.2

1. General Note 4 to read: Replace all VAV boxes on Level 2 (shown as "VB" on plan) and recalibrate settings. See Schedule for sizes.
2. Add General Note 14: New VAV boxes to be supported and connected to existing ducts. Reconnect piping as per detail. See Specification additions in this addendum.
3. General Note 6 to read: Replace Fan Coil Units (FC-1). See schedule on sheet MP-7.1 for size. New FCU to meet requirements of existing FCU.
4. Add General Note 15: New Fan Coil Units to be supported and connected to existing ducts. Reconnect piping as per detail. See Specification additions in this addendum. Rebalance air for all outlets served by each FCU. Electrical to be wired to new FCU as required.

SHEET - MP-6.1 – Details for Fan Coil Unit and VAV boxes have been added. Please see attached details.

SHEET - MP-7.1 – VAV Box Schedule Added

VAV BOX SCHEDULE						
SYMBOL	INLET	CLG CFM	HTG CFM	COIL	MBH HTG	GPM @ 'PD
VB 201	12"	1200	600	2 ROW	22.5	1 @ 0.42
VB 202	12"	1200	600	2 ROW	22.5	1 @ 0.42
VB 203	12"	1200	600	2 ROW	22.5	1 @ 0.42
VB 204	12"	1200	600	2 ROW	22.5	1 @ 0.42
VB 205	12"	1200	600	2 ROW	22.5	1 @ 0.42
VB 206	9"	850	300	2 ROW	11.4	0.5 @ 0.1
VB 207	12"	1500	600	2 ROW	22.5	1 @ 0.42
VB 208	8"	600	300	2 ROW	11.4	0.5 @ 0.1
VB 209	12"	1200	600	2 ROW	22.5	1 @ 0.42

1. Replacement VAV Boxes to meet the above criteria.

#### SPECIFICATIONS

SECTION - 15.700

1. Add the following regarding VAV Reheat Boxes and Fan Coil Units

**Medium-Pressure Terminal VAV Reheat Boxes:**

Complete medium-pressure single-duct variable volume reheat terminal boxes of the size and capacity scheduled on the drawings shall be furnished and installed. Boxes shall be pressure independent with continuous compensation for pressure fluctuations, from maximum to minimum volumes. Flow sensor shall be multiport type. As per thermostat demand, the regulator will continuously monitor and maintain the required air quantity until thermostat resets the control point. CFM limiting devices are not acceptable. External dials shall permit accurate field adjustments of both the maximum and minimum air volumes. Unit construction shall be 20-gauge galvanized steel with round inlet collars and rectangular outlet collars. Internal surfaces shall be treated with materials which have U.L. approval meeting NBFU and NFPA. Each box shall be fully lined with 1" thick 1.5 lb. density insulation. Sound levels shall not exceed 35 NC at 3.0" S.P. drop based on a 10db room absorption factor for both radiated and discharge sound data. Reheat coils shall have aluminum finns with copper tubes and shall be ARI rated to provide the heating capacity scheduled on the drawings. Provide new ATC valve. Provide new ATC valve. Provide new ATC controls, as necessary to control units, which are compatible with new ATC system. Boxes to be Trane, Nailor, Titus, Tempmaster, United Air Flow, or Anemostat.

**Fan Coil Units:**

Fan coil water heating units of the type, arrangement, and size shown on drawings shall be furnished and installed. Motors shall be multispeed, permanent split capacitor units with overload protectors. Renewable 1-inch tick filters with permanent metal holding frames shall be provided for the fan coil units.

Cabinets shall be galvanized steel with duct connections where concealed above ceilings.

Coil shall be reversible for right- or left-hand piping. Tubes shall be 3/8 inches o.c. copper with aluminum fins. A condensate drip pan with an outlet connection shall be provided. Provide new ATC valve. Provide new ATC controls, as necessary to control units, which are compatible with new ATC system.

Fans shall be aluminum, double width, double inlet centrifugal type, direct driven. Fan coil units to be Trane, Dunham Bush, McQuay, or Magic Aire.

**PRIOR APPROVALS**

The following manufacturers, trade names and products are allowed to bid on a name brand only basis with the provision that they completely satisfy all and every requirement of the drawings, specifications and all addenda shall conform to the design, quality and standards specified, established and required for the complete and satisfactory installation and performance of the building and all its respective parts.

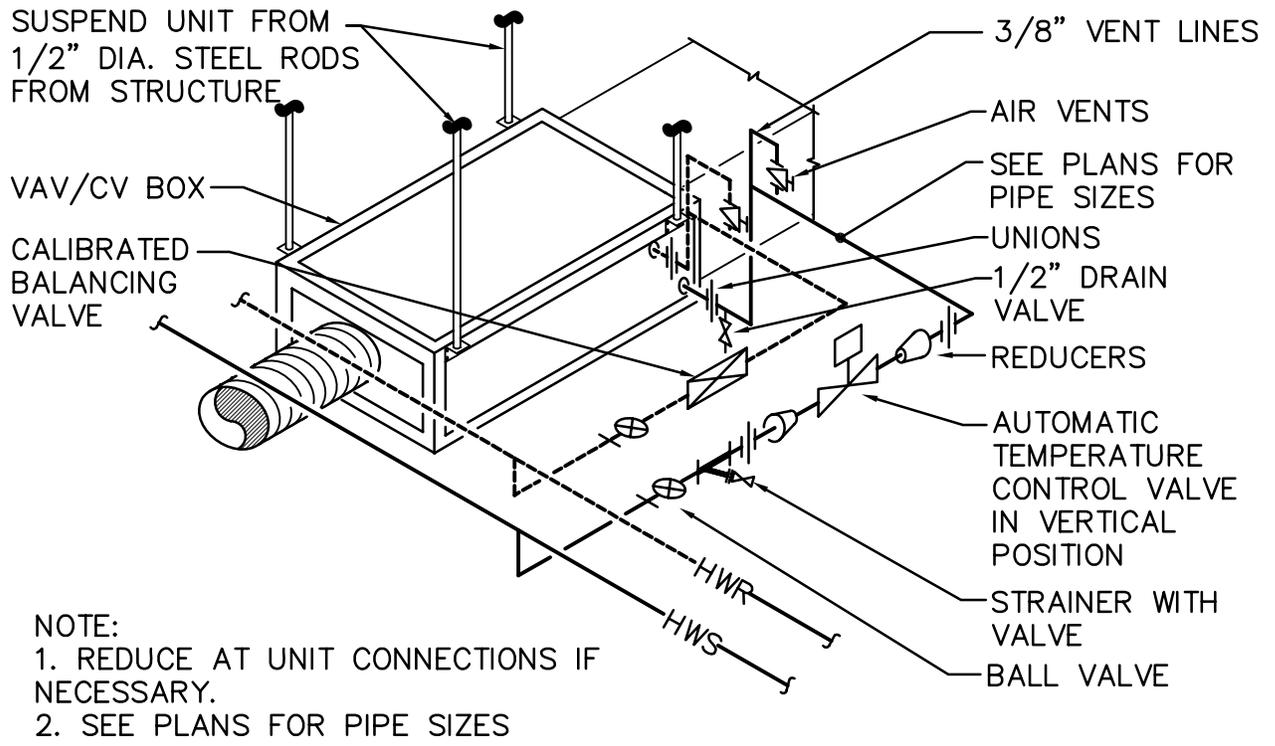
<b><u>Item</u></b>	<b><u>Manufacturer</u></b>
Custom Air Handlers	Scott Springfield Manufacturing
Custom Air Handlers	Hunt Air
Custom Air Handlers	Unitech
Coils	Rae Corp
Fans	Twin City Fans
Gas Fired Furnace	Titan Aire, Econ Aire
Variable Frequency Drives	Danfoss Graham
Pumps	Taco
Pumps	Patterson Pumps
Circuit Setters	Taco
Circuit Setters	Flow Design
Wafer Check Valves	Titan
Strainers	Titan
Thermometers	Weiss
Grilles and Registers	Tuttle and Bailey
VAV Boxes	Tuttle and Bailey

March 20, 2008

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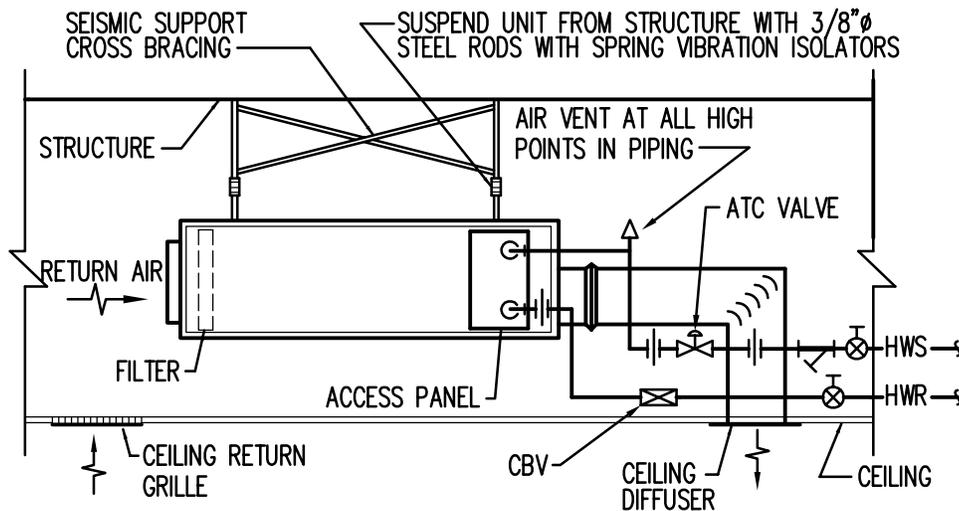
Fire Dampers  
Manual Dampers  
Manual Dampers  
Manual Dampers  
Flex Duct  
HET'S  
Drum Louvers  
Inline Pumps  
Fan Coil Units  
Unit Heaters  
Unit Heaters  
Unit Heaters  
Flexible Duct

United-Leader  
United-Leader  
Greenheck  
Air-Rite  
Hart and Cooley  
Clifco  
Titus  
Taco  
McQuay  
McQuay  
Beacon Morris  
Rittling  
Thermafex



## VAV/CV BOX PIPING DETAIL WITH 2-WAY AUTO-VALVE

NO SCALE



## CEILING MOUNTED 2 PIPE FAN COIL UNIT

NO SCALE



**VAN BOERUM  
& FRANK  
ASSOCIATES INC.**  
CONSULTING ENGINEERS

Salt Lake City • Logan • St. George • Tempe • Pocatello  
 330 South 300 East 801.530.3148 T  
 Salt Lake City, UT 84111 801.530.3150 F

COLLEGE OF EASTERN UTAH  
 BUNNEL-DMITRICH  
 ATHLETIC CENTER  
 HVAC UPGRADE - PHASE II

451 EAST 400 NORTH  
 PRICE, UTAH 84501

0000  
 VBA PROJECT #:  
 DESIGNER:  
 DRAFTER:  
 DATE:  
 SCALE:  
 SHEET CONTENTS

SHEET DESCRIPTION  
 MECHANICAL  
 DETAILS

**SD-01  
MP-6.1**

# **VI. ELECTRICAL**



Doing what's right: yesterday, today and tomorrow

# Addendum #1

<b>To:</b>	Scott Evans	<b>Telephone:</b>	801-298-1368
<b>Company:</b>	Scott P. Evans Architect & Associates P.C. 108 West Center Street Bountiful, UT 84010	<b>Fax:</b>	801-298-2192
		<b>Copies to:</b>	File
<b>From:</b>	David Affleck	<b>Telephone:</b>	801-401-8473
<b>Job:</b>	CEU BDAC HVAC Upgrade	<b>Toll Free:</b>	800-678-7077
<b>Re:</b>	Addendum #1	<b>Fax:</b>	801-401-9473
<b>Job Number:</b>	20070029	<b>E-mail:</b>	dla@spectrum-engineers.com
<b>Date:</b>	March 21, 2008	<b>Page:</b>	1 of 1

DISTRIBUTED VIA:

- Pickup                     Delivery                     Mail/Express Mail                     Express Shipping  
 Confirm By Mail                     Enclosure                     Other                              Email

The following are the electrical items associated with Addendum #1 for the CEU BDAC HVAC Upgrade – Phase II project in Price, Utah.

1. Disconnect and reconnect power to all the VAV Boxes on Level 2 (existing VAV boxes are being replaced with new). Coordinate equipment quantities, locations and requirements with Mechanical addendum and drawings.
2. Disconnect and reconnect power to Fan Coil Units FC-1 (existing Fan Coil Units are being replaced with new). Coordinate equipment quantities, locations and requirements with Mechanical addendum and drawings.
3. Upgrade any electrical connection associated with the above items to meet the current requirements of the NEC code (Section 430, Part IX) to have a local disconnect at the unit. Field verify requirements based on the existing conditions.

End of Addendum #1

### Spectrum Engineers, Inc.

Mechanical Engineering ♦ Electrical Engineering ♦ Technology Design ♦ Lighting Design ♦ Acoustical Engineering  
Theater Design ♦ Fire Protection

SALT LAKE CITY    PHOENIX    ST. GEORGE  
800-678-7077

[www.spectrum-engineers.com](http://www.spectrum-engineers.com)