



State of Utah

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Department of Administrative Services

KIMBERLY K. HOOD  
Executive Director

Division of Facilities Construction and Management

DAVID G. BUXTON  
Director

## ADDENDUM NO. 1

Date: January 20, 2011

To: Contractors

From: Michael Ambre

Reference: UVU Gunther Trades 5<sup>th</sup> Level HVAC Improvements  
Orem, Utah

Project No.06067790

Subject: **Addendum No. 1**

|       |                      |                 |
|-------|----------------------|-----------------|
| Pages | Addendum             | 1 page          |
|       | Revised Bid Form     | 3 pages         |
|       | Consultants Addendum | <u>10 pages</u> |
|       | Total                | 14 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 no changes to the project schedule.

**1.2 GENERAL** – Revised Bid Form adding four (4) additive alternates.  
Michael Baker Jr.Inc. – Please see attached addendum.



Division of Facilities Construction and Management

REVISED BID FORM

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

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 Gunther Trades 5th Level HVAC Improvements – Utah Valley University – Orem, Utah – DFCM Project No. 06067790 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: \_\_\_\_\_

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

BASE BID:

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

**ADDITIVE ALTERNATE #1:** Modify and/or replace the existing Architectural, Mechanical, and Electrical components in the multi-use room #521. See drawings for additional information.

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

**ADDITIVE ALTERNATE #2:** Replace all existing light fixtures and exit signs within the project area with the same quantity of new energy efficient light fixtures and exit signs. New fixtures shall match existing lamp quantity.

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

**ADDITIVE ALTERNATE #3:** Due to damage caused during the removal of ceilings, ducting, and other related HVAC construction work the carpet tile in the affected 'construction zon' hallways may be removed and replaced with new. When new carpet tile is to be replaced the contractor shall:

- a. Remove existing carpet tile and rubber wall base with minimal amount of destruction to adjoining surfaces
- b. Remove and store for reuse where practical, the existing thresholds and flooring transition strips.
- c. Dispose of and/or recycle carpet tiles and rubber base according to UVU's or the manufacturer's recycle program.
- d. Patch and repair any damage to concrete floor and sheetrock wall in the process of removing adhesives in order to prep surfaces for new materials.
- e. Repaint wall where needed to cover any wall repairs with paint matching in color and texture of existing. Where walls short in length need to be repainted due to damage at the base the contractor shall repaint only at the base, the contractor may opt to feather the paint at the lower portion of the wall (ie up to 24") in lieu of painting full height as long as the difference between new and old paint is not clearly visible.
- f. Install new carpet tiles throughout construction area to match existing color, pattern, size and style as per UVU standard specifications.
- g. Install new rubber base to match existing, size, style, and color.
- h. Reinstall existing thresholds and transition strips where such materials are almost 'like new' in appearance or install new materials if prior removal damages the thresholds and transition strips.

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

**ADDITIVE ALTERNATE #4:** Replace all existing fire sprinkler heads with new fire sprinkler heads. There are 135 existing heads and 15 more needed for spares for a total of 150 heads. Each head will be provided with a swing joint and flexible head connector. All sprinkler components to be in compliance with NFPA 13 Standards

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

We guarantee that the Work will be Substantially Complete by August 17, 2011, should I/we be the successful bidder, and agree to pay liquidated damages in the amount of **\$400.00** 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

January 20, 2011

Mike Ambre  
Project Manager  
Division of Facilities and Construction Management  
4110 State Office Building  
Salt Lake City, Utah 84114

Dear Mike:

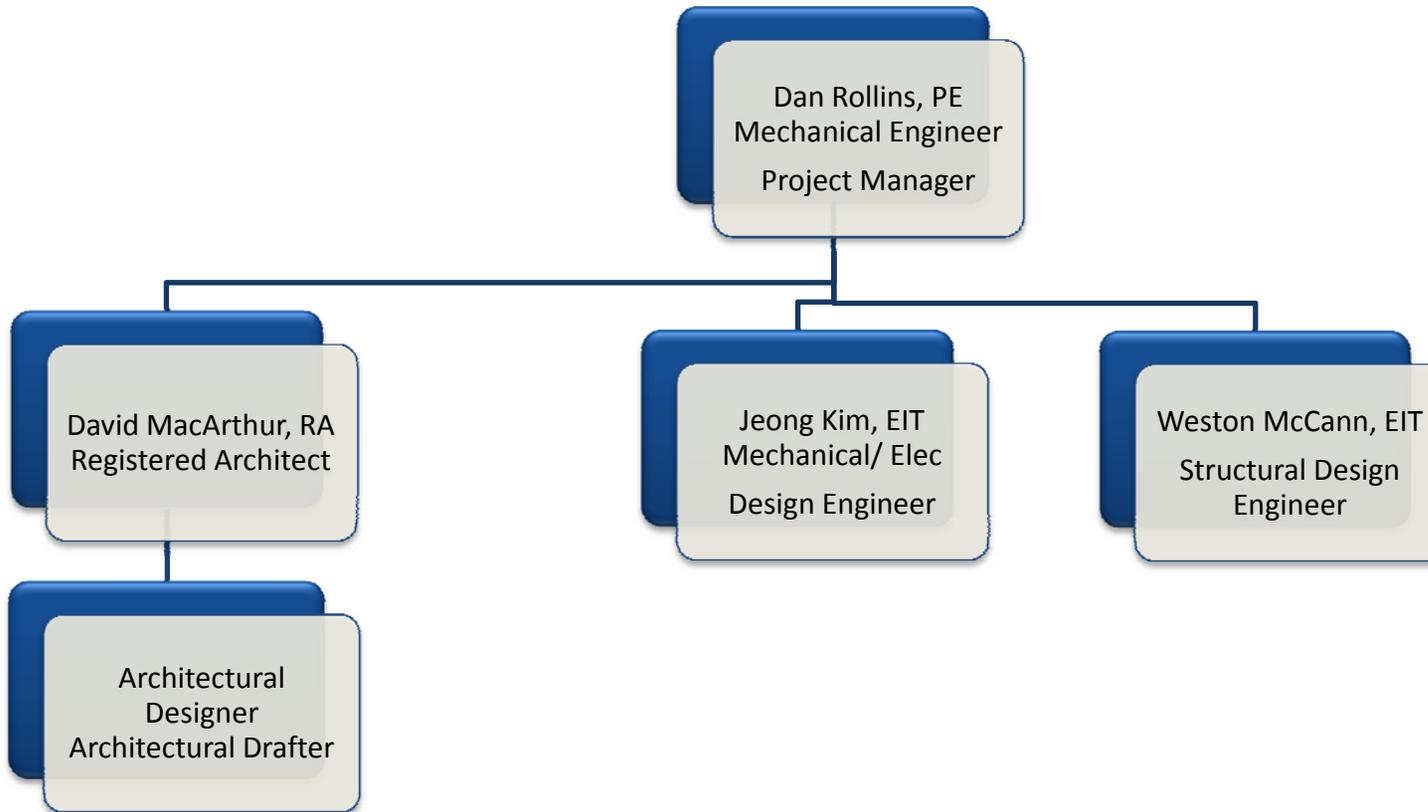
Enclosed are the responses to RFIs and the Addendum items for the Gunther Trades 5<sup>th</sup> Floor HVAC Improvement Project at Utah Valley University – Orem, Utah, DFCM Project Number: 06067790.

1. This project was designed by me, Dan Rollins and others at Stanley Consultants, as well as a sub-consultant, Eaton Architecture. This is primarily a mechanical system scope of work project with other disciplines included to support and coordinate with the HVAC system remodel. As I stated at the walk-thru, Stanley no longer has a facilities Mechanical-Electrical-Plumbing (MEP) group in the Salt Lake City office. Stanley has allowed me/us to provide construction period services at my current employer, Michael Baker Jr, Inc. Baker is a multi-discipline design consultant including Civil, Architectural, Structural, Mechanical, Electrical, Fire Protection, and others. All inquiries and communications regarding the architectural and engineering design documents for this project should come to me, Dan Rollins and others as designated. Our in-house architect will provide construction period support in lieu of Eaton Architecture.
  - a. Our office contact information is listed in the letterhead heading at the top of this page.
  - b. My direct contact information is:
  - c. Dan Rollins, PE
  - d. Direct phone line: 801 562 8368
  - e. Email: [drollins@mbakercorp.com](mailto:drollins@mbakercorp.com)
  - f. Cell phone: 801 440 8149
  - g. See Exhibit B for the other individuals at Baker who will be involved with this project for construction period services.

2. Sheets FP110 & FP111: The replacement of the existing fire sprinkler heads will be designated as Add Alternate #4. The contractor will replace all of the existing 150 heads in the area of work with new heads. The new heads will include swing joints and flexible connectors to avoid conflict with other trade components being installed. The contractor will provide new escutcheons.
3. The DFCM will include the Add Alternates on the bid form. However, the Add Alternates are listed in Section 01 11 00: Summary of Work, in Paragraph 1.04. Also included in that paragraph is the Sequence of Work.
4. There is virtually no Architectural scope of work in the hatched area. There are no ceilings in that area. The points of connection for the mechanical pipes need to be made in the existing Welding Lab/Classroom #516-517 because the existing CHW & HW mains reduce from 5" down to 4" in that room. The new 4" CHW & HW branch lines for this project need to tie into the existing mains upstream of the reducers. The Architectural scope will be limited to the wall penetrations and refinishing of those penetrations. In light of that, the Architectural plan will have the hatching removed in Rooms 516, 517, and 520.
5. The automatic door openers will be LCN Equalizer 4642, 120 volts, with push button activators.
6. The structural plan SS 121 calls for removal and replacement of the roof deck. The architectural plans DA 121 and AP 121 will be revised to coordinate with the structural plan.
7. With regard to painting listed in Alternate 3:
  - a. The contractor will bid to paint the entire area with campus standard paint.
  - b. The painting of the new roof deck and structure will be noted on the plans to match the existing painted surfaces on the adjacent steel roof deck and steel roof structures.
8. The carpet is only listed for replacement bid in Alternate #3.
  - a. The contractor provides and installs State contract squares. The campus standard is: Interface 50 cm squares Entropy Variations, green matrix blended.
  - b. The contractor should field verify the existing carpeted areas. The existing room dimensions are shown on DA 100 & DA 101 to assist with area calculations.
9. In Men's Rm #526 the locker and sink area has a tile ceiling, and the toilet area has an exposed ceiling as shown on the plans. Both areas will need a new acoustic tile ceiling.

10. The contractor should field verify the joists and roof deck to be removed. A photograph will be provided if available.
11. The AH-1 roof curb detail will be modified to include insulation, flashing, and membrane down to the roof surface. The support structure needs to be enclosed and weatherproofed. The detail will be similar to the AH-2 detail, but taller to cover the raised support frame.
12. All of the existing light fixtures and exit signs were verified and shown on electrical plans EL 110 & EL 111.
13. The exit signs shown on the plans are existing. They will be reused and reinstalled. The replacement of all exit signs is included in Alternate No 2.
14. The light fixtures shall comply with section 26 50 00. A lighting fixture schedule will be added to the lighting plans. The lighting fixture schedule will include replacing the Exit signs as part of the alternate.
15. The contractor will provide roofing materials, membrane, flashing, insulation, and sealing to match the existing roof surface materials for weather tight roof remodeling and sealing of equipment installations and penetrations to match and comply with the existing roof warranty.
16. The light fixtures can be stored on campus outside, in a secure weather proof location such as a trailer, and in the contractor storage and staging area outside and just south of the Print shop. The contractor will coordinate the storage and staging area with the University while maintaining emergency egress and allowing emergency vehicle access.
17. The lighting plan will be revised to show the existing lights in Corridor 501F to agree with those existing lights shown on the Demo Architectural plan DA 110.
18. All work in Room 521 including FC-2 is included in Alternate 1.
19. The CHW & HW pipes will be revised on the piping schedule. The pipes can be Schedule 40 black carbon steel, ASTM A53/A53M.
20. All of the new indoor exposed ductwork will be painted green to match the existing green color on the existing ductwork.
21. The new ductwork in the Print Shop does not need to be painted, but labeled for directional air flow.
22. Prior Approval Requests: There are no exceptions to the prior approval requests. See the attached request notices.

## EXHIBIT B Personnel



**TEMP DOCK LIGHTING FIXTURE SCHEDULE**

| TAG | DESCRIPTION                   | MOUNTING  | MANUFACTURER | CATALOG NO.              | LAMP TYPE | QUANTITY | WATTAGE | VOLTAGE | NOTES                             |
|-----|-------------------------------|-----------|--------------|--------------------------|-----------|----------|---------|---------|-----------------------------------|
| A   | 2'x4' FLUORESCENT             | LAV-IN    | METALUX      | ZGCM432A.125-UNV-ER81    | T8        | 4        | 32      | 120     |                                   |
| B   | 1'x4' FLUORESCENT STRIP LIGHT | PENDANT   | METALUX      | SSF232-UNV-ER81/SCS-48-B | T8        | 2        | 32      | 120     |                                   |
| C   | 1'x4' FLUORESCENT             | LAV-IN    | METALUX      | GG8232A.125-UNV-ER81     | T8        | 2        | 32      | 120     |                                   |
| X1  | SINGLE SIDED EXIT SIGN        | UNIVERSAL | SURE-LITES   | CY7770GWS-SD             | LED       | •        | 10      | 120     | GREEN LETTERS WITH BATTERY BACKUP |
| X2  | DOUBLE SIDED EXIT SIGN        | UNIVERSAL | SURE-LITES   | CX7270GWS-SD             | LED       | •        | 10      | 120     | GREEN LETTERS WITH BATTERY BACKUP |



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501 West 700 South  
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PH: 801.366.4100  
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**Seattle:**  
Seattle, WA  
PH: 801.366.4100  
PH: 800.433.4548

**Portland:**  
Portland, OR  
PH: 503.616.4677  
PH: 800.433.4548

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Michael Bake Eng.  
Attn Dan Rollins  
Jan 13 2011

Energy Management Corporation of Salt Lake City, Utah is petitioning for formal approval of Variable Frequency Drives as manufactured by Mitsubishi/Motors Drives International under Variable Frequency Drives (VFD), section 23-2923-2, Part 2.01 Manufacturers. For the UVU Gunther trades Project. Mitsubishi/Motors Drives International UL listed Variable Frequency Drive packages will either meet or in most cases exceed the original specification listed above and is a locally owned and operated company with branch offices in Denver, Colorado, Boise, Idaho, and a sales office in Portland, Oregon.

Energy Management Corporation was founded in 1979 and has been pursued the sales, service, design, and manufacturing of Variable Frequency along with Motors, Power Quality, and Power Standby Generators. Energy Management Corporation has earned credibility as a technical leader for clean VFD systems. The company's contributions and commitment to IEEE, ASHRAE, NEMA and other standards for electrical equipment and power quality illustrate its ongoing support for clean power distribution systems. Energy Management Corporation led development of concepts of patented VFD harmonic filters and continues to develop new avenues of excellence.

Energy Management Corporation maintains local 24/7 VFD service along with an impressive stock of almost 2,000 individual Variable Frequency Drives from micro drives to 600 horse power along with local parts. Our service professionals are qualified on a number of drives and conform with new arc flash requirements.

We consider the following as a portion of our valued and satisfied customers; LDS Church, Brigham Young University Idaho, Brigham Young University, Zions Securities Corporation, State of Utah, Salt Lake City, University of Utah, Weber State University, Utah State University, Davis County School District, Alpine School District, L-3 Communications, Easton Aluminum, and many others.

Energy Management Corporation believes we can exceed the standard specified and would therefore petition for approval as an equal manufacturer under the above listed specifications for this project.

Thank you in advance for your consideration. Should you have any questions please feel free to contact me directly.

Respectfully Submitted,

Tom Christensen  
Energy Management Corporation

*"Specializing in Electrical Asset Management."*



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BUILDING ENVIRONMENTS

January 20, 2011

Dan Rollins  
Michael Baker Jr, Inc  
6955 Union Park Center  
Suite #370  
Midvale, UT 84047

Subject: UVU Gunther Trades

Dear Dan:

We request approval to bid the following items of mechanical equipment in lieu of those specified:

| <u>TAG</u> | <u>Description</u>  | <u>Manufacturer</u> |
|------------|---------------------|---------------------|
| 237400     | Heat Recovery Units | Innovent            |

The above equipment is of standard manufacture and will meet the intent of the specifications with regard to performance, capacity, and space requirements.

Sincerely,

Lincoln Porter

# mechanical products intermountain, llc

8250 South 700 West

Midvale, UT 84047

Phone: 801-352-9003

Fax: 801-352-9007

# Memo

To: Dan Rollins

From: Bob Burke

Company: Michael Baker

Pages: 1

Re: UVU Gunther Trades 5<sup>th</sup> Level HVAC

Date: 1/6/2011

Urgent     For Review     Please Comment     Please Reply     Please Recycle

● Comments:

We respectfully request prior approval to quote on the following equipment for the above project:

| <u>Description of Equipment</u>   | <u>Symbols</u> | <u>Manufacturer</u>            |
|-----------------------------------|----------------|--------------------------------|
| <b>Airflow Measuring Stations</b> |                | <b>Ebtron, Paragon</b>         |
| <b>Duct Access Doors</b>          |                | <b>Greenheck, Kees</b>         |
| <b>Fire Dampers</b>               |                | <b>Greenheck</b>               |
| <b>Balancing Dampers</b>          |                | <b>Greenheck</b>               |
| <b>Backdraft Dampers</b>          |                | <b>Greenheck</b>               |
| <b>Flexible Duct</b>              |                | <b>Hart &amp; Cooley</b>       |
| <b>Intake &amp; Relief Hoods</b>  |                | <b>Greenheck</b>               |
| <b>Air Mixing Devices</b>         |                | <b>Kees</b>                    |
| <b>Roof Rails</b>                 |                | <b>Greenheck, Thybar</b>       |
| <b>Fan Coil Units</b>             |                | <b>Williams, Titus, McQuay</b> |
| <b>Isolation Curbs</b>            |                | <b>Thybar</b>                  |

Product catalogs on the above equipment should be in your office's product library or are available by link on our website [www.mp-int.com](http://www.mp-int.com) to each manufacturer's website. If you desire a catalog that you cannot readily locate for your immediate reference, please contact us and we will see that one is delivered to your office as soon as possible.

If you have any questions about the products for which we have requested prior approval, please call us and we will be pleased to get you answers in a timely manner.

Thank you in advance for your consideration of these products for approval on this project.

*Bob Burke / Walter Baranowski*

