

# ADDENDUM NUMBER 1

Date: February 28, 2018

Re: UTS Main Data Center  
HVAC Replacement (H27-Z365)

A/E Proj. No.: 183438

Submitted By: Danny Wilds, PE  
Mechanical Design, Inc.  
4403 Broad River Road  
Columbia, S.C. 29210  
(803)731-9834  
danny@mdi9834.com

The following items take precedence over referenced portions of the Contract Documents for the referenced project dated January 12, 2018 and, in executing a contract, shall become a part thereof.

Where any item called for in the documents is supplemented hereby, the original requirements shall remain in effect. All supplemental conditions shall be considered as added thereto.

Where any original item is amended, voided, or superseded hereby, the provision of such items not so specifically amended, voided, or superseded shall remain in effect.

## **Drawings:**

1. Refer to drawing M101, NOTES, delete Note 5, and replace with:
  5. Where noted, remove centrifugal supply air fans, and replace with variable speed E.C. plug fans. Convert CRAC units to draw-thru configuration. Replace existing controller with new generation touchscreen Liebert iCOM controller, and add IS-UNITY-DP card. See notes in Computer Room Equipment Schedule.
2. Refer to drawing M101, Computer Room Equipment Schedule, Note 1, and change "Air Handling Unit" to "Computer Room Air Conditioning Unit".
3. Refer to drawing M101, Computer Room Equipment Schedule, add Note 4 to column titled "Liebert Model", and Note 4 to read "Or approved equal. Provide written prior approval to substitute 10 days prior to Bid Closing".
4. Refer to drawing M101, Computer Room Equipment Schedule, add Note 5 to read "Existing CRAC units ECRAC-4 and ECRAC-6 upgrades shall be performed by a Liebert factory service technician trained and authorized for upgrade installations. If bidder is not qualified to self-perform the upgrade, contact Faulkner/Haynes (803.926.9229) for providing upgrades."
5. Refer to drawing M101, Computer Room Equipment Schedule, add Note 6 to read "Substituted manufacturer's network card/controller shall provide seamless transparent communication with all seven (7) computer room air conditioning units."

UTS Main Data Center - HVAC Replacement

**Addendum No. 1**

6. Refer to drawing E101 - Add note 7 that reads, "All MC cable shall be secured to legs of raised floor with plenum rated tie wraps on 6' intervals. This shall be coordinated with other utilities, piping, data, etc."
7. Refer to drawing E101 - Add note 8 that reads, "An opening in the existing gyp wall shall be required below existing Panel 1EPP1 to allow cables to enter panel. The wall could contain asbestos. USC Hazmat division shall handle cutting the hole and make the area safe. Coordinate with Ty Russell (803) 777-1208."

**Specifications:**

8. Refer to section 23 00 00 Mechanical, General, paragraph 1.8 Demolition Items, and add the sentence to read "Computer room air conditioning units noted to be removed may be broken down into pieces, removed and disposed of by the Contractor as scrap. No existing unit may be re-used or re-sold by the Contractor."
9. Refer to section 23 00 00 Mechanical, General, add paragraph to read:

"3.15 ASBESTOS

- A. At any time the Contractor encounters asbestos containing materials, he shall immediately stop work and suspend any further work until asbestos containing materials are removed by others. Contractor shall, upon discovery of asbestos containing materials, notify Owner or Owner's representative, who shall be responsible for the removal of the asbestos containing materials, all in accordance with NESHAP (National Emission Standard for Hazardous Air Pollutants.) Any form of asbestos removal or demolition shall be by Owner. Engineer is not an "Owner or Operator" as defined under NESHAP.
- B. Contractor is responsible for, and shall be aware of, all state and federal laws pertaining to asbestos as well as NESHAP requirements.
- C. USC will handle any issues related to asbestos abatement."

**General:**

10. A non-mandatory Pre-Bid was held on February 20, 2018 at 10:00 am EST. Attached is a list of the attendees. A site visit was made available immediately following the pre-bid meeting.
11. Any computer room raised floor tiles required shall be furnished by USC.
12. Contractor will be responsible for modifying existing computer room raised floor openings for new computer room air conditioning units including new floor supports.

**END OF ADDENDUM NO. 1**

**University of South Carolina  
Pre Bid Sign In Sheet  
Columbia, South Carolina**

**Project Name:** UTS Main Data Center HVAC Replacement  
**Project Number:** H27-Z363  
**Pre Bid Date & Time:** February 20, 2018 at 10:00 AM

SWMBE?	Name	Company Name	Address	Phone #	Email
Yes No	Juaquana Brookins	USC	1300 Pickens Street, Columbia SC 29208	803.777.3596	<a href="mailto:jbrookin@fmc.sc.edu">jbrookin@fmc.sc.edu</a>
Yes No	Ann Derrick	USC	1300 Pickens Street, Columbia SC 29208	803.777.5811	<a href="mailto:aderrick@fmc.sc.edu">aderrick@fmc.sc.edu</a>
Yes No	Randy Harris	1	9233 Forest Hill Rd Columbia SC	410-271-5748	randy.h@bertrandmcc.com
Yes No	Mark Miller	DNB Electric		803-360-8852	<a href="mailto:mark@dnbelectric.com">mark@dnbelectric.com</a>
Yes No	Grey Royster	White Crane		803-463-9015	grayster@whitecrane.com
Yes No	Todd Brunink	Sig Cox	130 Homer Village Dr. Spartanburg SC 29063	706-772-5368	<a href="mailto:tbrunink@sigcox.com">tbrunink@sigcox.com</a>
Yes No	Ellys Haynes	Faulkner/Haynes	1630 Augustin Rd	803-238-6097	<a href="mailto:ellys.haynes@faulknerhaynes.com">ellys.haynes@faulknerhaynes.com</a>
Yes No	Dan Childs	MDI	4403 Broad Run Columbia, SC	731-9839	dan-y e md: 783d.com
Yes No	Aaron Pect	McCarter Mechanical	685 John Deere Rd Spartanburg SC	804-384-3067	<a href="mailto:aaronp@mcartermechanical.com">aaronp@mcartermechanical.com</a>

\*\*\*\*By signing this sheet you agree to receive information electronically.

**University of South Carolina  
Pre Bid Sign In Sheet  
Columbia, South Carolina**

**Project Name:** UTS Main Data Center HVAC Replacement  
**Project Number:** H27-Z363  
**Pre Bid Date & Time:** February 20, 2018 at 10:00 AM

SWMBE?	Name	Company Name	Address	Phone #	Email
Yes <input type="checkbox"/> No <input type="checkbox"/>	Cliff Stringfield	Beika Engineering	7 Clusters Ct. 29210 Colg	803-731-0650	cstringf@erebea-consulting.com
Yes <input type="checkbox"/> No <input type="checkbox"/>	Dallas Rowe	Cullum Services	4768 Sunset Blvd Lexington, SC 29072	803-4768-5555	Rowed@calluminc.com
Yes <input type="checkbox"/> No <input type="checkbox"/>	Eddie Rowe	Cullum Services	4768 Sunset Blvd Lexington, S.C. 29072	803-951-9366	Rowee@calluminc.com
Yes <input type="checkbox"/> No <input type="checkbox"/>					
Yes <input type="checkbox"/> No <input type="checkbox"/>					
Yes <input type="checkbox"/> No <input type="checkbox"/>					
Yes <input type="checkbox"/> No <input type="checkbox"/>					
Yes <input type="checkbox"/> No <input type="checkbox"/>					
Yes <input type="checkbox"/> No <input type="checkbox"/>					

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