April 15, 2011

Enclosed is ADDENDUM NO. ONE to the Construction Documents on the above-captioned project.

Bid date has been changed from Thursday, April 21, 2011 at 2:30PM to Tuesday, May 10, 2011 at 2:30PM to be held at:

CONTRACTING SERVICES
Facilities Management, Bldg. 439,
Door #E, Reception Counter
University of California, Santa Barbara
Santa Barbara, CA 93106-1030.

Late arrivals shall be disqualified. Please allow time for unforeseen traffic delays, securing a parking permit and potential parking problems.

Anna Galanis
Director, Contracting Services
ADDENDUM NUMBER 1

to the

CONSTRUCTION DOCUMENTS

April 15, 2011

GENERAL

The following changes, additions or deletions shall be made to the following document(s) as Indicated; all other conditions shall remain the same.

I. ADVERTISEMENT FOR BIDS

Item No.

1. Second page, first sentence beginning with “Bid Deadline…”

CHANGE to read in it’s entirety as follows:

“Bid Deadline: Sealed bids must be received on or before 2:30PM on Tuesday, May 10, 2011. Sealed Bids will be received only at: Contracting Services, Facilities Management, Building #439, Door #E, Reception Counter, University of California, Santa Barbara, Santa Barbara, CA 93106-1030.”

II. SUPPLEMENTARY INSTRUCTIONS TO BIDDERS

Item No.

1. Number 4, CHANGE to read in it’s entirety as follows:

“Bids will be received on or before the Bid Deadline: 2:30PM, Tuesday, May 10, 2011 and only at: Contracting Services, Facilities Management, Building #439, Door #E, Reception Counter, University of California, Santa Barbara, Santa Barbara, CA 93106-1030.”

III. SPECIFICATIONS

Item No.

1. Section 01030 – “Alternates” – Delete in it’s entirety

IV. DRAWINGS

Item No.

1. Sheet M1.1 “Symbols, Abbreviations, Schedule, and Details”: Refer to attached addendum #1 drawings ADM1.1a; ADM1.1b.
2. **Sheet M2.1 “Partial Mechanical Basement Demo Plan”:** Refer to attached addendum #1 drawings ADM2.1.

3. **Sheet M2.2 “Partial Mechanical Basement Floor Plan”:** Refer to attached addendum #1 drawings ADM2.2a; ADM2.2b; ADM2.2c.

4. **Sheet M3.2 “New System Piping Diagrams”:** Refer to attached addendum #1 drawings ADM3.2a; ADM3.2b; ADM3.2c.

5. **Sheet M4.1 “Chiller Details”:** Refer to attached addendum #1 drawings ADM4.1.

6. **Sheet M5.1 “Controls”:** Refer to attached addendum #1 drawings ADM5.1a; ADM5.1b

**END OF ADDENDUM NO. 1**
UNISTRUT P1000, SEE DRAWINGS FOR QUANTITY OF PIPES

3/8" x 5" HILTI KB-TZ ANCHOR WITH 3/2" EMBEDMENT IN 4" DEEP HOLE WITH INSTALLATION TORQUE OF 25 FT-LBS.
SPECIAL INSPECTION IS REQUIRED.
COSTS OF INSPECTION TO BE PAID BY CONTRACTOR. TORQUE TESTING TO 25 FT-LBS IS REQUIRED 24 HRS MIN AFTER INSTALLATION

VERTICAL PIPE SUPPORT AT CONCRETE WALL

PROJECT NUMBER: FM100281L/137-14
PROJECT: UCSB BIOLOGY II BUILDING #571 NEW CHILLER SYSTEM
REF SHT: M1.1
ADDENDUM # 1
DATE: 04-15-11
DRAWN BY: ECM
SHEET: ADM1.1a
COOLING TOWER DRIVE/MOTOR

1. REMOVE (E) 60 HP 2-SPEED COOLING TOWER FAN MOTOR AND STARTER/CONTROL PANEL. REUSE (E) COOLING TOWER DRIVE SHAFT AND RIGHT ANGLE GEAR BOX. INSTALL (N) SINGLE SPEED TOWER FAN MOTOR (INVERTER DUTY, PREMIUM EFFICIENCY AND SEVERE DUTY FOR THIS APPLICATION). INSTALL A DANFOSS VLTHVAC VFD IN NEMA 3R ENCLOSURE WITH INTEGRAL DISCONNECT, NO BYPASS, AND CONFORMAL COATING ON CIRCUIT BOARD (SEE VFD NOTES AT PUMP SCHEDULE, THIS SHEET, FOR ADDITIONAL REQUIREMENTS). (E) MOTOR IS 1800/900 RPM WITH 1.15 SERVICE FACTOR AND 364T FRAME SIZE.


PROJECT NUMBER: FM100281L/137-14

UCSB BIOLOGY II BUILDING #571 NEW CHILLER SYSTEM

REF SHT: M1.1

ADDENDUM # 1

DATE: 04-15-11

DRAWN BY: ECM

MECHANICAL ENGINEERING CONSULTANTS INC.

1818 Anacapa Street
Santa Barbara, Ca 93101
Tel (805) 957-4832

ADM1.1b OF
KEYNOTES

1. 144" CLEARANCE FOR TUBE SERVICING.
2. 36" CLEARANCE FOR TUBES AND GENERAL SERVICING.
3. BYPASS VALVE FOR CONDENSER WATER TEMPERATURE CONTROL.
4. (N) FS TO MATCH (E).
5. (N) CLEANOUT TO MATCH (E).
6. TEMPORARY CHILLED WATER PIPING FROM LOOP TO SERVE BUILDING DURING CONSTRUCTION.
7. RESTORE DEMO'D AREA TO NEAT AND CLEAN CONDITION. PAINT AND PATCH AFFECTED WORK.
8. PIPING ON UNISTRUT AT EVERY 8 FT MAX. SUPPORT ELBOWS AT BOTTOM. OFFSET AT ROOF AND TERMINATE WITH GOOSENECK. FLASH PIPING AT ROOF WATERTIGHT. PIPING MATERIAL SHALL BE TYPE L COPPER/SOLDERED OR SCHED 40 BLACK STEEL/WELDED.
9. FIRESTOP PENETRATIONS PER SPECIFICATIONS.
10. CONNECT 3/4" PIPE/VALVE TO BOTTOM OF EACH ELBOW. TIE INTO (E) 1" DRAIN LINE.

PROJECT NUMBER: FM100281L/137-14

PROJECT: UCSB BIOLOGY II BUILDING #571 NEW CHILLER SYSTEM
REF SHT: M2.2
ADDENDUM # 1
DATE: 04-15-11
DRAWN BY: ECM

MECHANICAL ENGINEERING CONSULTANTS INC.
1616 Anacapa Street
Santa Barbara, CA 93101
Tel (805) 967-4632

ADM2.2c
OF
CONDENSER WATER PIPING DIAGRAM

PROJECT NUMBER: FM100281L/137-14

PROJECT: UCSB BIOLOGY II BUILDING #571 NEW CHILLER SYSTEM

REF SHT: M3.2

DATE: 04-15-11

DRAWN BY: ECM

DODM3.2a

OF
CHILLED WATER PIPING DIAGRAM

PROJECT NUMBER: FM100281L/137-14

PROJECT: UCSB BIOLOGY II BUILDING #571 NEW CHILLER SYSTEM

REF SHT: M3.2

ADDITIONAL SHEET: ADM3.2b

UCB 894
MECHANICAL ENGINEERING CONSULTANTS INC.
1616 Anacapa Street
Santa Barbara, CA 93101
Tel (805) 967-4832

LICENSED ENGINEER
AKOULIKA VON KROS
M-25658
STATE OF CALIFORNIA
CHILLED WATER PIPING DIAGRAM

PROJECT NUMBER: FM100281L/137-14

PROJECT: UCSB BIOLOGY II BUILDING #571 NEW CHILLER SYSTEM

REF SHT: M3.2

ADDENDUM #: 1

DATE: 04-15-11

DRAWN BY: ECM

SHEET: ADM3.2c

CHS TO BLDG LOADS

CHS LOADS

WATER TANK

P-4

P-5

ONICON FLOW METER
TRANSMITTER

ONICON BTU METER
(BLDG)

(4) DECOUPLER

BUILDING TOTAL BTU/HR

BTU/HR TO AND FROM LOOP

(4) LOOP DP SENSOR

CHR FROM BLDG LOADS

CHR LOADS

CAMPUSS CHS/CHR

10°

CAMPUSS CHS/CHR

10°

ONICON BTU METER
(CAMPUS LOOP)

ONICON FLOW METER
TRANSMITTER

COORDINATE AND PROVIDE ALL TAPS, THREADLETS, WELLS IN (4) AND (5) PIPING WITH JCI AND THE CONTRACT DOCUMENTS FOR A COMPLETE INSTALLATION.