

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

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SANTA BARBARA • SANTA CRUZ

OFFICE OF DESIGN & CONSTRUCTION SERVICES and PHYSICAL FACILITIES

CONTRACTING SERVICES
Building 439
Santa Barbara, California 93106-1030
Telephone (805) 893-3356
Fax (805) 893-8592

SENT VIA: FAX ON THIS DATE
 E-MAIL
 POSTED ON UCSB PLANROOM AND WEBSITE

HOLDERS OF PLANS AND SPECIFICATIONS:

Events Center Fire Alarm Replacement, Bldg. 505
FM140156S/421-07
Addendum No. 1

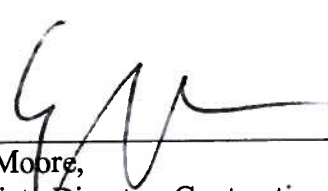
January 30, 2014

Enclosed is **ADDENDUM NO. 1** to the Construction Documents on the above-captioned project.

The Bid date is hereby changed from Friday, January 31, 2014 at 2:30PM, to Wednesday, February 5, 2014 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.



Greg Moore,
Associate Director, Contracting Services

ADDENDUM NO. 1
to the
CONSTRUCTION DOCUMENTS

January 30, 2014

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.

1-1.

REPLACE Text: sentence beginning with "Bid Deadline:"
in its entirety, with the following language:

"Sealed bids must be received on or before 2:30PM on February 5, 2014."

II. **SUPPLEMENTARY INSTRUCTIONS TO BIDDERS**

Item No.

2-1.

REPLACE Text: Item 4, in its entirety, with the following language:

"Bids will be received on or before the Bid Deadline: 2:30 PM, February 5, 2014, and only at:

Contracting Services
Facilities Management, Building 439
Door E, Reception Counter
University of California, Santa Barbara
Santa Barbara, California 93106-1030"

III. **CLARIFICATIONS**

Item No.

3-1.

The following questions were either submitted to the University Representative by prospective Bidder or are being offered by the University to clarify project requirements. In the event of a conflict between the information set forth below and the Bidding Documents, the Bidding Documents will prevail.

- 1) QUESTION 1:
Please confirm that bids should be based on working 3rd shift because of the potential inability to work while the hall is being used.
- UNIVERSITY RESPONSE NO. 1
Refer to Specifications, Division 1, Section 01014, Article 1.02, Work Hours and Days
- 2) QUESTION 2:
Specifications include Ceilings Gyp Board & Paint. Will patch and paint be required for this project?
- UNIVERSITY RESPONSE NO. 2:
Refer to Drawings and Specifications for work direction.
- 3) QUESTION 3:
Please provide the name of the contractor who currently services the Crestron PA System.
- UNIVERSITY RESPONSE NO. 3:
Sound Technology Consultants, Inc.
1935 N. Marshall Ave.
El Cajon, CA 92020
(619)596-4800
- 4) QUESTION 4:
Is firestopping caulk (generally red) required and also not required to be painted?
- UNIVERSITY RESPONSE NO. 4:
The drawings Detail #8 Sheet FA-5.0 specify Hilti FS-One firestopping or equal, which can be ordered in either white or red. The University was unable to provide fire rated wall descriptions for the project. Based on the applicable code for the project (CBC 2010), a one-hour rating is required between Assembly and Business occupancy in fully sprinklered buildings. Therefore, contractor shall provide firestopping at all new penetrations that separate the gymnasium area from offices, mechanical, conference rooms, locker rooms, etc. The Campus Fire Marshal Office should be consulted for further direction.
- 5) QUESTION 5:
Please confirm who is responsible for "Fire Watch".
- UNIVERSITY RESPONSE NO. 5
Fire Watch to be provided by the University.
- 6) QUESTION 6:
It was stated at the job walk that the work includes working on the existing Notifier Onyxworks network, including inserting drawings of Building 505 into the software and including addressable point notification. Would the installing company be required to have a technician who has valid, up to date certification from Notifier to work on Onyxworks?

UNIVERSITY RESPONSE NO. 6

Yes. The University requires that the successful bidder be qualified and certified to add Events Center, Bldg. 505 into Onyxworks, and then add it to all three Onyx workstations. This will include adding screens for the fire alarm portion of the system, but also add a screen for the MNS portion also, i.e., buttons for sending the canned messages from any workstation to Events Center, as well as live voice messages via Notify IP.

7) QUESTION 7:

Specification Section 16720 3.3 B.5. requires audible devices to be tested for intelligibility. Would NFPA 72 2013 Chapter for ECS contain the criteria for determining what is acceptable intelligibility?

UNIVERSITY RESPONSE NO. 7

The design is based on 2010 NFPA 72 (see Division 16., Section 16720, Article 1.4) which includes the following requirements:

14.4.13* Voice Intelligibility. Voice communication using prerecorded messages and manual voice announcements shall be verified as being intelligible in accordance with the requirements of 18.4.10.

A.14.4.13 See Annex D, Speech Intelligibility.

18.4.10* Voice Intelligibility. Within the acoustically distinguishable spaces (ADS) where voice intelligibility is required, voice communications systems shall reproduce prerecorded, synthesized, or live (e.g., microphone, telephone handset, and radio) messages with voice intelligibility.

A.18.4.10 See Annex D, Speech Intelligibility.

D.2.3.3 Intelligibility Test. A test method used to predict how well speech is understood by a listener.

D.2.3.4 Occupied Ambient Sound Pressure Level. The period of time when the building involved in the test is occupied and is reasonably close to having maximum background noise. For example, this might involve the operation of HVAC equipment, an industrial process, or a maximum number of occupants such as might occur in a place of public assembly.

D.2.3.5 STI or STIPA Test Signal.

D.2.3.5.1 A special audio signal that is played over the emergency communications system being tested.

D.2.3.5.2 Instruments that measure STI using a STIPA signal use a special signal that consists of signals in seven octave bands. The sound in each octave band is modulated using two (separate) modulation frequencies. The STI and STIPA have been standardized in IEC 60268. However, at the present time, the implementation of the measurement software and correlations with the test signal can differ between instrument manufacturers. Therefore, until there is further standardization, only the test signal recommended by the instrument manufacturer should be used with their instrument. Although the STIPA test signals can sound similar, there might be speed or other differences that affect results if one manufacturer's test signal is used with another manufacturer's instrument.

D.2.3.6 Talkbox. An instrument usually consisting of a high quality audio speaker and a CD player or other method used to play an STI or STIPA test signal.

D.2.3.7 Unoccupied Ambient Sound Pressure Level. The period of time when the primary occupants of the facility are not present, or when ambient sound pressure level is not at its highest level.

D.2.4 Acceptability Criteria.

D.2.4.1 The intelligibility of an emergency communication system is considered acceptable if at least 90 percent of the measurement locations within each ADS have a measured STI of not less than 0.45 (0.65 CIS) and an average STI of not less than 0.50 STI (0.70 CIS).

- 8) QUESTION 8:
Would the winning contractor be required to show proof that intelligibility test gear is up to date regarding calibration?

UNIVERSITY RESPONSE NO. 8

Yes, as directed by NFPA 72:

D.4.1.3 Prior to performing any intelligibility testing or intelligibility system calibration, verify that the test meter's microphone, Talkbox, and analyzer are within calibration date as listed on the unit's calibration tag.

D.4.1.4 All audio test equipment, including ANSI Type 2 sound pressure level meters required by NFPA72 for audibility testing, require regular calibration to known, traceable standards. The portable meters used to measure STI using the STIPA test signal should meet or exceed ANSI Type 2 meter requirements. In addition, the STIPA test signal and the meter algorithm for measuring the received signal and calculating the modulation transfer function to arrive at the STI should be tested by a certifying laboratory for accuracy to the IEC standard for STI.

END OF ADDENDUM NO. 1