

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  
 HAND DELIVERY ON THIS DATE  
 FEDERAL EXPRESS ON THIS DATE  
 UNITED PARCEL SERVICE ON THIS DATE

HOLDERS OF PLANS AND SPECIFICATIONS:

UCSB Manzanita Village E-Key Project, Building  
Numbers 877-893

Project No. FM100369S/293-14

**Addendum No. FOUR**

July 30, 2010

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

Bid date is **Thursday, August 5, 2010 at 2:30 PM** 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.

A handwritten signature in black ink, appearing to read "Anna Galanis".

Anna Galanis  
Director, Contracting Services

ADDENDUM NUMBER FOUR

to the

CONSTRUCTION DOCUMENTS

JULY 30, 2010

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. INFORMATON AVAILABLE TO BIDDERS

Item No.

1

Information Available to Bidders, **ADD # 7** to read as follows:

"7. Reports

Rough estimate for current draw/battery requirement,  
prepared by University of California Santa Barbara Housing  
and Residential Services, dated July 27, 2010, attached, one  
page."

END OF ADDENDUM NO. FOUR

7/27/2010

**Rough estimate for current draw/battery requirement, prepared by  
University of California Santa Barbara Housing and Residential Services**

The following information is the University's understanding of the current conditions and can be used for informative purposes. It is the contractor's responsibility to meet the requirements of the contract documents."

The rough estimate for current draw/battery requirement.

9 doors:

System components	Current requirement	
1 ea. LNL-2220	.250	.250
1 ea. LNL-1300	.110	.110
3 ea. LNL-1320	.450	1.350
9 ea. HID # R10	.065	.585

Total system current draw @ 12 vdc = 2.285

X 48 hours = 109.68 Amp

+ 9 ea. HES 9500 (.5 amp for 300 seconds) = 1.20 Amp Hours

For a total Battery capacity requirement of **110.88 Amp Hours**

The Lenel 6 amp power supplies have a battery current charging capacity of .7 amp. This may or may not charge 110 AH batteries, thus the Contractor may have to check with Lenel. If not, the Contractor should plan on using 2 power supplies and a battery box that will hold both batteries.

An alternative would be to use 6 LNL-1300s instead of 3 LNL-1320s. This would drop the system current draw by .680 amps and the battery requirement by 32.44 AH.

System components	Current requirement	
1 ea. LNL-2220	.250	.250
7 ea. LNL-1300	.110	.770
9 ea. HID # R10	.065	.585

Total system current draw @ 12 vdc = 1.605

X 48 hours = 77.04 Amp Hours

+ 9 ea. HES 9500 (.5 amp for 300 seconds) = 1.20 Amp Hours

For a total Battery capacity requirement of **78.24 Amp Hours**