

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:

Ortega Dining Commons Seismic Corrections  
Project No. FM110298L/988702  
**Addendum No. 2**

April 5, 2011

Enclosed is **ADDENDUM NO. 2** to the Construction Documents on the above-captioned project.

Bid date is **April 12, 2011 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.

Anna Galanis  
Director, Contracting Services

ADDENDUM NUMBER 2  
to the  
CONSTRUCTION DOCUMENTS

April 5, 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. INFORMATION AVAILABLE TO BIDDERS

Item No.

1. 6. Reports, Add in its entirety:

“Asbestos and PB (Lead) Survey UCSB Ortega Dining commons Bldg 542”, prepared by Gene Horstin, dated April 5, 2011, 7 pages attached.

II. DRAWINGS

Item No.

1. Sheet No. A1.01, First Floor Plan, “KEYNOTES, Number 3”: **Replace in its entirety to read:**

“Provide dust barrier/access restraint walls at the locations indicated. Construct as follows: Walls to be floor-to-ceiling walls framed with 2 x 4 plates and 2 x 4 studs @ 16” OC. On the side of the walls facing the area or work, fasten full height ¾” plywood over entire expanse of the wall. Over the plywood fasten 6 mil polyethylene sheets with tape to seal joints using staples or other fasteners approved by University’s Representative. Provide for a total of three, 3’ x 6’-8” access doors to be located by University’s Representative and to be constructed with 2 x 4 framing, ¾” plywood and 6 mil polyethylene sheeting with tape to seal joints and edges.”

END OF ADDENDUM NO. 2

April 05, 2011

**Asbestos and Pb (Lead) Survey UCSB Ortega Dining Commons Bldg. 542**

The University of California Santa Barbara (UCSB), Design and Construction Services (DC&S) has compiled this report to disclose existing knowledge of asbestos and Pb (Lead) containing building components located at Buildings 542 on the UCSB Campus.

**Asbestos Sampling**

Table 1.0 Asbestos Laboratory Reports lists the reports attached by Report Number, Date, Laboratory, Analysis Type, and Comments.

Table 1.0 - Asbestos Laboratory Reports

Report #	Report Date	Laboratory	Analysis Type	Comments
B147235	04/04/2011	Forensic Analytical	PLM EPA Method 600/R-93-116	Various Roof Samples.

**Lead Paint Sampling Results**

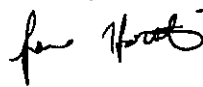
Table 2.0 Pb (Lead) Laboratory Reports lists the reports attached by Report Number, Date, Laboratory, Analysis Type, and Comments.

Table 2.0 - Pb (Lead) Laboratory Reports

Report #	Report Date	Laboratory	Analysis Type	Comments
M118395	04/04/2011	Forensic Analytical	TTLc Metal Analysis Flame AA	Paint results on equipment on roof.

UCSB's industrial wastewater permit<sup>1</sup> local limit for lead is 1.040 mg/l. The California Code of Regulations, Title 22 classifies waste containing more than 50 ppm lead as hazardous<sup>2</sup> without further waste characterization. If you have any question regarding this report please contact me at 805-451-1918 or [gene.horstin@dcs.ucsb.edu](mailto:gene.horstin@dcs.ucsb.edu)

Sincerely,



Digitally signed by Gene Horstin  
DN: cn=Gene Horstin, c=US, o=UCSB,  
ou=Design and Construction,  
email=gene.horstin@dcs.ucsb.edu  
Reason: I am the author of this  
document  
Date: 2011.04.05 09:15:07-0700

Gene Horstin  
University of California Santa Barbara  
Asbestos and Pb Clerk of the Works  
Asbestos Abatement Project Designer Cert# PD39-11  
Asbestos Inspector & Management Planner Cert# BIMP91-11  
Asbestos Contractor & Supervisor Cert# CS182-11  
CDPH Lead Inspector/Assessor ID# 20134

<sup>1</sup>Industrial Wastewater Discharge Permit Number IV-413, Part I, Wastewater Discharge Limitations and Monitoring Requirements – Local Limits

<sup>2</sup>TITLE 22. Social Security, Division 4.5. Environmental Health Standards for the Management of Hazardous Waste, Chapter 11. Identification and Listing of Hazardous Waste, Article 3. Characteristics of Hazardous Waste, §66261.24, Characteristic of Toxicity



# Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

U.C. Santa Barbara  
Project Manager  
Design and Construction Svcs  
Building 370  
Santa Barbara, CA 93106

Client ID: 5151  
Report Number: B147235  
Date Received: 04/04/11  
Date Analyzed: 04/04/11  
Date Printed: 04/04/11  
First Reported: 04/04/11

Job ID/Site: Ortega Seismic Upgrade - WO # 293-50

FALI Job ID: 5151-6597

Date(s) Collected:

Total Samples Submitted: 12

Total Samples Analyzed: 12

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
<b>20110401-542-PLM-01</b>	11096629						
Layer: White Semi-Fibrous Material			ND				
Layer: Black/White Semi-Fibrous Material			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Stones			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (3 %)	Fibrous Glass (10 %)	Synthetic (15 %)					
<b>20110401-542-PLM-02</b>	11096630						
Layer: White Semi-Fibrous Material			ND				
Layer: Black/White Semi-Fibrous Material			ND				
Layer: Black/White Semi-Fibrous Material			ND				
Layer: Black Tar			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)	Fibrous Glass (10 %)	Synthetic (30 %)					
<b>20110401-542-PLM-03</b>	11096631						
Layer: White Semi-Fibrous Material			ND				
Layer: Black/White Semi-Fibrous Material			ND				
Layer: Black Tar			ND				
Layer: Black Felt		Chrysotile	50 %				
Total Composite Values of Fibrous Components:		<b>Asbestos (3%)</b>					
Cellulose (2 %)	Fibrous Glass (10 %)	Synthetic (30 %)					
Comment: Due to small sample size, this result may not be repeatable.							
<b>20110401-542-PLM-04</b>	11096632						
Layer: Grey Mastic			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (7 %)							
<b>20110401-542-PLM-05</b>	11096633						
Layer: Black Mastic			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (15 %)							

Client Name: U.C. Santa Barbara

Report Number: B147235

Date Printed: 04/04/11

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
<b>20110401-542-PLM-06</b>	11096634						
Layer: Black Mastic		Chrysotile	5 %				
Total Composite Values of Fibrous Components:		<b>Asbestos (5%)</b>					
Cellulose (Trace)							
<b>20110401-542-PLM-07</b>	11096635						
Layer: Silver Paint		Chrysotile	Trace				
Layer: Off-White Woven Material			ND				
Layer: White Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (Trace)</b>					
Cellulose (75 %)							
<b>20110401-542-PLM-08</b>	11096636						
Layer: Silver Paint		Chrysotile	Trace				
Layer: Off-White Woven Material			ND				
Layer: White Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (Trace)</b>					
Cellulose (75 %)							
<b>20110401-542-PLM-09</b>	11096637						
Layer: Black Mastic		Chrysotile	7 %				
Total Composite Values of Fibrous Components:		<b>Asbestos (7%)</b>					
Cellulose (Trace)							
<b>20110401-542-PLM-10</b>	11096638						
Layer: Grey Mastic			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>20110401-542-PLM-11</b>	11096639						
Layer: Grey Mastic			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>20110401-542-PLM-12</b>	11096640						
Layer: Grey Non-Fibrous Material			ND				
Layer: Off-White Fibrous Material			ND				
Layer: Foil			ND				
Layer: Off-White Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (15 %)							

Client Name: U.C. Santa Barbara

Report Number: B147235

Date Printed: 04/04/11

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
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James Flores, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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Project: Ortega Seismic Upgrade Date: 04/01/2011 W.O.#: 293-50

Sampler Name: G. Horstin Building Name/Number: Bldg. 542 East Roof

Sample Analysis	Turn Around
PLM	12 HR 24 HR Other
Lab Instructions:	Due Date: <u>04/04/2011 RUSH!!</u>

Sample No.	Material(s)	HID No.	Location
20110401-542-PLM-01	Layered roofing. (Fiberglass, gypsum?)		Bldg. 542, east roof, main field, east end, over loading dock.
20110401-542-PLM-02	Layered roofing. (Fiberglass, gypsum?)		Bldg. 542, east roof, main field, east end, west of pony wall.
20110401-542-PLM-03	Layered roofing. (Fiberglass, gypsum?)		Bldg. 542, east roof, main field, east end, west of pony wall.
20110401-542-PLM-04	Grey/Black mastic.		Bldg. 542, east roof, on east parapet cap over loading dock.
20110401-542-PLM-05	Black mastic.		Bldg. 542, east roof, on east skylight, northeast corner.
20110401-542-PLM-06	Black mastic.		Bldg. 542, east roof, north parapet, on flashing.
20110401-542-PLM-07	Silver paint, tape.		Bldg. 542, east roof, on E-5.
20110401-542-PLM-08	Silver paint, white mastic, tape.		Bldg. 542, east roof, on E-6.
20110401-542-PLM-09	Black mastic.		Bldg. 542, east roof, on metal plate north of MAU-2.
20110401-542-PLM-10	Grey/Black mastic.		Bldg. 542, east roof, on MAU-2.
20110401-542-PLM-11	Grey/Black mastic.		Bldg. 542, east roof, on seal on south side of E-5.
20110401-542-PLM-12	Vibration gasket (paper, foil, white mastic, foil).		Bldg. 542, east roof, on E-6.

**Chain of Custody**

Relinquished by Name: G. Horstin Company: UCSB  
 Received by Name: [Signature] Company: FASI

Date/Time: 4-1-11 @ 10am gjo

Digitally signed by Gene Horstin  
 DN: cn=Gene Horstin, o=UCSB, ou=Environmental Health and Safety, email=ghorstin@ucsb.edu  
 Reason: I am the signer of this document  
 Date: 2011.04.01 12:00:17 -0700



# Metals Analysis of Paints

U.C. Santa Barbara  
Jerome Ripley  
Design and Construction Svcs  
Building 370  
Santa Barbara, CA 93106

Client ID: 5151  
Report Number: M118395  
Date Received: 04/04/11  
Date Analyzed: 04/04/11  
Date Printed: 04/04/11  
First Reported: 04/04/11

Job ID / Site: Ortega Seismic Upgrade W.O # 293-50  
Date(s) Collected: 4/1/2011

FALI Job ID: 5151-6597  
Total Samples Submitted: 3  
Total Samples Analyzed: 3

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
20110401-542-PB-01	30398579	Pb	580	ppm	70	EPA 3050B/7420
20110401-542-PB-02	30398580	Pb	45000	ppm	3000	EPA 3050B/7420
20110401-542-PB-03	30398581	Pb	< 70	ppm	70	EPA 3050B/7420

\* The Reporting Limit represents the lowest amount of analyte that the laboratory can confidently detect in the sample, and is not a regulatory level. The Units for the Reporting Limit are the same as the Units for the Final Results.

Dave Sandusky, CIH, Laboratory Supervisor, Hayward Laboratory

Analytical results and reports are generated by Forensic Analytical at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by Forensic Analytical to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by Forensic Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. Forensic Analytical is not able to assess the degree of hazard resulting from materials analyzed. Forensic Analytical reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Any modifications that have been made to referenced test methods are documented in Forensic Analytical's Standard Operating Procedures Manual. Sample results have not been blank corrected. Quality control and sample receipt condition were acceptable unless otherwise noted.



