

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

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SANTA BARBARA • SANTA CRUZ

OFFICE OF DESIGN & CONSTRUCTION SERVICES and PHYSICAL FACILITIES

CONTRACTING SERVICES  
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- 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:

Burnham Laboratory, BioSciences II, Bldg 571  
Project No. FM060653S/981510

**Addendum No. 2**

March 9, 2007

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

Bid date is **Tuesday, March 20, 2007 at 2:30 P.M.** 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 2

to the

CONSTRUCTION DOCUMENTS

MARCH 7, 2007

**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. SPECIFICATIONS**

Item No.

1. Section 09650 - "RESILIENT FLOORING "; Part 2, "PRODUCTS", "Paragraph 2.01 Materials", "F" **Add** Number 2 to read in it's entirety: "Sheet Vinyl Flooring: Armstrong's Brigantine or Palestra Vinyl Corlon series; asbestos free; vinyl composition chips in vinyl matrix, felt composition backing; .085-inch gauge standard color as selected or equal."
2. Specification Section 09680- "Carpeting"; Pages 1-7: **Add** in it's entirety

**II. DRAWINGS**

Item No.

1. DRAWING NO. E2.0 (LIGHTING PLAN), Offices 3119 & 3121: **Change** type "D" to read type "B".
2. DRAWING NO. E2.0 (LIGHTING PLAN): **Clarify** the following fixture symbols for respective locations: "All light fixtures in the offices are type B. All light fixtures in corridors are type C."

END OF ADDENDUM NO. 2

## SECTION 09680

### CARPETING

#### I. GENERAL

##### A. RELATED DOCUMENTS:

1. Drawings and general provisions of the Contract, apply to the work of this section.

##### B. SUMMARY:

1. Extent and location of each type of carpeting are indicated on the drawings.
2. Work of this section includes furnishing and installation of carpeting, carpet cushion, adhesives and accessories.

##### C. DEFINITIONS:

1. Commercial Carpet: Carpet intended for use in commercial and public spaces, with construction, fire ratings, static control and appearance appropriate for this use.

##### D. SUBMITTALS:

1. Product Data: Submit manufacturer's product literature and installation instructions for each type of carpeting material and installation accessory required. Include methods of installation for each type of substrate.
2. Submit written data on physical characteristics, durability, resistance to fading and flame resistance characteristics.
3. Shop Drawings: Submit shop drawings showing carpet layout and seaming diagrams, clearly indicating carpet direction, and types of edge strips. Indicate columns, doorways, enclosing walls/ partitions, built-in cabinets, and locations where cut-outs are required in carpet. Show installation details at any special conditions.
4. Samples for Initial Selection Purposes: Submit manufacturer's standard size samples and color yarns showing full range of colors, textures and patterns available for each type of carpet required.
5. Samples for Verification Purposes: Submit the following:
  - a. 18" square samples of each type of carpet material required.

- b. 12" long samples of each type exposed edge stripping and accessory item.
- c. 6" square samples of each type of carpet cushion.

6. Prepare samples from same material to be used for the work.

E. QUALITY ASSURANCE:

- 1. Manufacturer Qualifications: Firm (material producer) with not less than 3 years of production experience, whose published product literature clearly indicates general compliance of products with requirements of this section.
- 2. Installer Qualifications: Firm specializing in carpet installation with not less than 2 years of experience in installation of carpeting similar to that required for this project.
- 3. Single Source Responsibility: Provide material produced by a single manufacturer for each carpet type.

F. TESTING:

- 1. Test Reports: Submit certified test reports evidencing compliance with requirements for the following:
- 2. Fire performance characteristics.
  - a. Fire Performance Characteristics: Provide carpeting that is identical to that tested for the following fire performance requirements, according to test method indicated, by UL or other testing and inspecting agency acceptable to authorities having jurisdiction.
  - b. Flammability: As follows:
  - c. Rating: Passing Methenamine Pill Test
  - d. Test Method: ASTM D 2859.
  - e. Surface Burning Characteristics: As follows:
    - 1. Flame Spread: Not more than 25.
    - 2. Smoke Developed: Not more than 50.
    - 3. Flame Spread: Not more than 75.
    - 4. Smoke Developed: Not more than 100.
      - (a) Test Method: ASTM E 84.
      - (b) Test Method: UL 723.
      - (c) Test Method: NFPA 255.
  - f. Critical Radiant Flux: As follows:
    - 1. Rating: Not less than 0.45 watts per sq. centimeter.
    - 2. Rating: Not less than 0.22 watts per sq. centimeter.

- (a) Test Method: ASTM E 648.
      - (b) Test Method: NFPA 253.
    - g. Smoke Density: As follows:
      - 1. Rating: With flame, 15.4 minimum value.
      - 2. Without flame, 9.1 minimum value.
      - (a) Test Method: ASTM E 662.
  - 3. Physical Properties: Provide carpeting that is identical to that tested for the following physical properties, according to the test method indicated.
    - a. Sound Absorption Characteristics: As follows:
      - 1. Rating: Passing sound absorption coefficient level.
      - (a) Test Method: ASTM C 423.
    - b. Fade Resistance: As follows:
      - 2. Rating: Maximum grey scale factor of 40 hours.
      - (a) Test Method: AATCC 16E.
    - c. Static Resistance:
      - 1. Rating: 1.5 KV when tested at 20% R.H/70 deg F.
      - 2. Rating: 3.5 KV when tested at 20% R.H/70 deg F.
      - (a) Test Method: AATCC 134.
    - d. Microbial Resistance:
      - 1. Rating: Minimum 90% bacterial reduction.
      - (a) Test Method: AATCC 100.    - 2. Rating: Maximum 20% fungal growth.
    - (a) Test Method: AATCC 30.  - 3. Rating: Exhibits no zone of inhibition.
- (a) Test Method: AATCC 90.
4. Certification: Submit manufacturer's certificate stating that materials furnished comply with specified requirements. Include supporting certified laboratory testing

data indicating that material meets specified test requirements.

5. Certification: Submit manufacturer's certification stating that material complies with "Use of Materials Bulletin UM-44C" published by U.S. Department of Housing and Urban Development (HUD); is currently listed in HUD "Certified Products Directory" and so identified by imprint on back.

G. DELIVERY, STORAGE, AND HANDLING:

1. Deliver materials to project site in original protective wrappings and containers, clearly labeled with identification of manufacturer, brand name, quality or grade, fire hazard classification, and lot number. Store materials in original undamaged packages and containers, inside well-ventilated area protected from weather, moisture, soiling, extreme temperatures, humidity; laid flat, blocked off ground to prevent sagging and warping. Maintain temperature in storage area above 40 degrees Fahrenheit.
2. Comply with instructions and recommendations of manufacturer for special delivery, storage, and handling requirements.

H. SEQUENCING AND SCHEDULING:

1. Sequence carpet installation with other work to minimize possibility of damage and soiling during remainder of construction period.

I. WARRANTY:

1. Special Project Warranty: Submit a written warranty, executed by the Contractor, Installer and the Manufacturer, agreeing to repair or replace carpeting which fails in materials or workmanship within the specified warranty period. This warranty shall be in addition to and not a limitation of other rights the Owner may have against the Contractor under the Contract Documents.
2. Warranty period is 2 years after the date of substantial completion.

J. MAINTENANCE:

1. Maintenance Instructions: Submit manufacturer's printed instructions for maintenance of installed work, including methods and frequency recommended for maintaining optimum condition under anticipated traffic and use conditions. Include precautions against materials and methods which may be detrimental to finishes and performance.
2. Replacement Materials: After completion of work, deliver not less than 2% of each type, color, and pattern of carpeting, exclusive of accessory components as

required. Furnish replacement materials with protective covering, identified with appropriate labels.

## II. PRODUCTS

### A. MATERIALS:

1. General: Carpet shall be a textured loop, solution dyed Nylon yarn as manufactured by DESIGNWEAVE a division of Shaw Industries. Z6300-ARVIDA or equal.
2. Carpet Construction:
  - a. Construction: Textured Loop
  - b. Fiber: Solution Dyed Nylon
  - c. Average Pile Weight: 28 ounces per square yard
  - d. Average Pile Height: .187" High, .125" Low
  - e. Gauge: 1/10
  - f. Stitches per inch: 11
  - g. Average Pile Density: 6,000
  - h. Primary Backing: Non-Woven Polypropylene
  - i. Secondary Backing: Ergo Flex™ Cushion Backing
  - j. Color: Tinstone
  - k. Width: 6 foot width
  - l. Guarantee: 10 Year Wear Warranty
  - m. Adhesives: Provide manufacturer's recommended adhesives, produced expressly for use with selected carpet on existing substrate. Provide materials which are mildew resistant.

### B. ACCESSORIES:

1. Tackless Carpet Stripping: Provide water-resistant plywood strips, either 3/8" or 9/32" thick, as required to match cushion/carpet thickness; angular pins protruding

from top, designed to grip and hold stretched carpet at the backing. Provide narrow stripping with 2 rows of pins where stretched width of carpet is 20' or less; stripping with 3 rows of pins where carpet width exceeds 20'.

2. Carpet Edge Guard, Metallic: Provide extruded aluminum fold-down type edge guard with concealed gripper teeth; minimum 1-1/2" wide punched anchorage flange; minimum 5/8" wide face flange. Provide in hammered texture with anodized aluminum finish of color selected by Architect from standard colors available.
3. Installation Adhesive: Water-resistant, non-staining as recommended by carpet manufacturer, which complies with flammability requirements for installed carpet.
4. Seaming Cement: Hot-melt seaming adhesive or similar product recommended by carpet manufacturer, for taping seams and butting cut edges at backing to form secure seams and prevent pile loss at seams.
5. Miscellaneous Materials: As recommended by manufacturers of carpet, cushions and other carpeting products; selected by Installer to meet project circumstances and requirements.

### III. EXECUTION

#### A. EXAMINATION:

1. Examine substrates for moisture content and other conditions under which carpeting is to be installed. Notify University's Representative in writing of major conditions detrimental to proper completion of the work. Do not proceed until unsatisfactory conditions have been corrected.

#### B. PREPARATION:

1. Repair minor holes, cracks, depressions, and rough areas using material recommended by carpet or adhesive manufacturer.
2. Clear away debris and scrape up cementitious deposits from surfaces to receive carpeting; vacuum clean immediately before installation. Check concrete surfaces to ensure no dusting through installed carpet; apply sealer where required to prevent dusting.

#### C. INSTALLATION:

1. Comply with manufacturer's recommendations for seam locations and direction of carpet; maintain uniformity of carpet direction and lay of pile. Follow seaming diagram as submitted and approved. At doors, center seams under doors; do not place seams in traffic direction at doorways.



2. Extend carpet under open-bottomed obstructions and under removable flanges and furnishings, and into alcoves and closets of each space.
3. Provide cut-outs where required, and bind cut edges properly where not concealed by protective edge guards or overlapping flanges.
4. Install carpet edge guard where edge of carpet is exposed; anchor guards to substrate.
5. Expansion Joints: Do not bridge building expansion joints with continuous carpeting, provide for movement.
6. Glue-Down Installation:
  - a. Fit sections of carpet into each space prior to application of adhesive. Trim edges and butt cuts with seaming cement.
  - b. Apply adhesive uniformly to substrate in accordance with manufacturer's instructions. Butt carpet edges tightly together to form seams without gaps. Roll entire carpet area lightly to eliminate air pockets and ensure uniform bond. Remove any adhesive promptly from face of carpet by method that will not damage carpet face.

D. CLEANING:

1. Remove and dispose of debris and unusable scraps. Vacuum carpet using commercial machine with face-beater element. Remove spots and replace carpet where spots cannot be removed. Remove any protruding face yarn using sharp scissors.

E. PROTECTION:

1. Provide protective methods and materials needed to ensure that carpeting is without deterioration or damage at time of substantial completion.
2. Restretching: Return to installation after approximately 6 months of occupancy and use; restretch carpet in each space, repair faults in seaming, trim and adjust carpeting at edges.

End of Section