

MACDONALD RESEARCH BSL-3 LABORATORY RENOVATION

REQUEST FOR QUALIFICATIONS

EXECUTIVE ARCHITECTS

PROJECT NUMBER: 943992.01

OCTOBER 2019

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I. ADVERTISEMENT FOR EXECUTIVE ARCHITECT

UCLA requests a written response to this Request for Qualifications (RFQ) for the purpose of selecting an Executive Architect for the proposed **MacDonald Research Lab BSL-3 Lab Renovation (Project #943992.01)**. The project is located in the MacDonald Research Lab in Room 4230, located adjacent to Charles E. Young Drive South near Westwood Blvd. The proposed project will renovate this existing 400 square foot BSL-3 select agent research lab to correct deficiencies that will make the lab safe for storing and accessing Tier 1 Select Agents and other Risk Group 3 aerosol transmissible agents. The following deficiencies identified by the UCLA Chemical and Physical Safety Committee (CPSC) as needing correction are: no dedicated exhaust, no anteroom for pressurization control and no air tight seal of the space. The project will also install new fast actuating venturi air valves, dedicated and redundant exhaust fans, upgraded mechanical controls and a sealed HEPA filter unit for the room and associated ductwork. Concrete roof curbs will be required to support the installation of the new exhaust fans. Roof waterproofing systems will be patched and repaired. New sinks and safety showers systems will be installed to meet current best practices. Electrical power systems will be modified to accommodate the revised room layout for power and lighting. The estimated construction cost for the project has not yet been determined, but is anticipated to be in the range of approximately \$900,000.

Responses to this RFQ should demonstrate expertise and experience in the planning and design of BSL-3 lab renovations and Department of Public Health requirements (Title 22). The project will be designed to comply with California Code of Regulations (Title 24) and disabled access requirements of the American with Disabilities Act (ADA). The project will also be designed to meet the requirements and intent of University of California Regent's Policy on Sustainable Practices. The project is subject to review and approval by the UC Board of Regents or their delegated authority as well as the California Environmental Quality Act (CEQA).

Final selection and appointment of the Executive Architect for the proposed project is contingent upon project budget approval.

The complete RFQ packet will be available at:
<http://www.capitalprograms.ucla.edu/Contracts/RFQProjects> on **Tuesday, October 1, 2019**. Responses to the RFQ are due by **10:00 a.m. on Day, Thursday, October 17, 2019**. A shortlist of firms will be determined by a screening committee; further steps in the selection process will be at the discretion of the selection committee.

Every effort will be made to ensure that all persons have equal access to contracts and other business opportunities with the University within the limits imposed by law or University policy. Each Candidate Firm may be required to show evidence of its equal employment opportunity policy.

Peter E. Hendrickson, AIA
Associate Vice Chancellor, Design
and Construction



UCLA Capital Programs
1060 Veteran Avenue | Box 951365
Los Angeles, CA 90095-1365

For questions related to this RFQ, please contact:

Mike McGinnis
Project Manager
UCLA Facilities Management
Design, Project Management and Operations
E: mmcginnis@facnet.ucla.edu
T: 310.825.7401

II. PROJECT INFORMATION AND REQUIREMENTS

A. PROJECT INFORMATION

Project Information and Scope:

The proposed MacDonald Research BSL-3 Laboratory Renovation project will renovate approximately 400 SF (Square Feet) of existing laboratory space within the MacDonald Medical Research Laboratory building. The scope of work includes the installation of new fast actuating venturi air valves, dedicated and redundant exhaust fans, upgraded mechanical controls, a sealed HEPA filter unit for the room and associated ductwork. Concrete roof curbs will be required to support the installation of the new exhaust fans. Roof waterproofing systems will be patched and repaired. New sinks and safety showers systems will be installed to meet current best practices. Electrical power systems will be modified to accommodate the revised room layout for power and lighting.

The project will upgrade fire/life safety and signage as required by code. The work will include the installation of fixed and moveable equipment, including casework, sinks, fume hoods, bio-safety cabinets, and safety shower to support the laboratory. The work includes repair of ceilings and walls in the corridor as needed after the installation of mechanical, plumbing, electrical items, and fire sprinklers.

Pre-design Phase:

A study has been completed for this project that addresses the preferred space configuration and other related needs of the project. That study will be made available to short listed firms for review and comment. Otherwise, no pre-design phase is anticipated.

Sustainable Design:

The project shall be designed to meet the requirements and intent of University of California Regent's Policy on Sustainable Practices as it pertains to green building design and energy efficiency standards. The project will be required to meet all the California Energy Code (Title 24) energy efficiency standards and apply sustainability principles to the systems, components and portions of the building being renovated.

B. ROLE OF THE ARCHITECT

The Executive Architect will serve as the architect-of-record and will manage and coordinate all design and construction document preparation tasks and construction administration responsibilities for this project. The Executive Architect will assist the University to secure Agency review approvals.

UCLA will, based on qualifications presented throughout this process, select the firm best able to serve as Executive Architect for this proposed project.

C. CODE REQUIREMENTS

The design and construction of University of California, Los Angeles building projects are required to conform to applicable federal and state building codes and standards, including the California Code of Regulations, Department of Public Health requirements (Title 22), and the Americans with Disabilities Act. The University is generally not subject to the building codes of local jurisdictions; however, the design and construction of utility connections and fire/life safety systems may require coordination with such jurisdictions. Refer to the Supplemental Requirements for the Executive Design Professional Agreement (Attachment F) for additional requirements.

Construction documents must be reviewed and approved by, the Office of the State Fire Marshal, and Division of the Campus Building Official.

D. AGREEMENT AND CONTRACT REQUIREMENTS

All architectural design services to be provided by the Executive Architect shall be in accordance with the following standard University Agreement and Contract documents, which have been approved by the Office of General Counsel to The Regents.

1. Documents

Attachment	E	Standard Professional Services Agreement
Attachment	F	University Standard Form of Executive Design Professional Agreement (Between The Regents of the University of California and the Design Professional)-with all exhibits
Attachment	G	General Conditions and Supplementary Conditions (of the construction contract).

2. Insurance Limits for Design Services (Architect/Engineer)

The Executive Architect shall obtain and maintain the following insurance coverage: Comprehensive-Form or Commercial-Form General Liability Insurance, Business Automobile Liability Insurance, Professional Liability Insurance, and Workers' Compensation. If the Executive Architect does not currently have coverage in accordance with University requirements, evidence shall be submitted indicating that such coverage will be in effect prior to execution of the Executive Design Professional Agreement. Insurance limits required per the following table:

Capital Programs Insurance Limits for Design Services (Architect/Engineer)

General Liability	
Each Occurrence – Combined Single Limit for Bodily Injury & Property Damage	2,000,000
Products – Completed Operations Aggregate	2,000,000
Personal & Advertising Injury	2,000,000
General Aggregate	2,000,000
Business Auto Liability – Each Accident – Combined Single Limit for Bodily Injury & Property Damage	1,000,000
Workers Comp & Employers Liability	As required by Federal & State of Calif. Law
Professional Liability for Pre-Design work	Work done under PSA
Each Claim	2,000,000
General Aggregate	2,000,000
Professional Liability for Project	Work done under EDPA
Each Claim	2,000,000
General Aggregate	2,000,000

3. Equal Opportunity Employment

The Executive Architect shall show evidence of a company Equal Opportunity Employment policy, and of company compliance with applicable federal law pertaining to Equal Opportunity Employment.

III. RESPONDING TO THIS REQUEST FOR QUALIFICATIONS

Please comply with the following requirements in preparing responses to this RFQ; *responsiveness to these instructions will be considered an indication of the responsiveness of the prospective consultant:*

A. FORMAT

Submittal materials shall be in an 8 ½ "x 11" format, preferably in portrait orientation. Materials may be submitted as either via files sharing method, emailed to Lmartinez@capnet.ucla.edu or one (1) electronic USB/CD copy in PDF format. If you choose to send an electronic USB/CD, hand delivery is encouraged to ensure prompt receipt of submittals. Clearly label submittals with the UCLA project name(s) and project number(s). A table of contents shall be included.

Tabbed dividers should separate and identify the response items described below in section III.C, numbered or titled as indicated.

Submittals should be limited to the sections and items identified in III.C below. Although they are ***not encouraged***, any additional materials submitted at the discretion of the submitting firm, such as standard brochures ***must be bound separately*** from the main submittal, and marked clearly. Failure to comply with this requirement may result in disqualification of the entire submittal.

B. RESPONSE ITEMS

The qualifications submittal should contain the following items:

Cover: Include the project name, **(MacDonald Research BSL-3 Laboratory, October, 2019)**, identify that the submittal is a statement of qualifications, and identify the firm submitting the response (with contact information provided either on the cover, or letter of interest, or both).

Letter of Interest: Provide a concise, preferably one-page letter expressing the prospective Executive Architect's interest in the project and appropriate qualifications. The letter of interest should be bound into the proposal, not loose. The letter of interest, cover, or both should provide contact information for the firm, including a contact email address for the principal of the firm.

Table of Contents: In front of the first tab, following the letter of interest.

[Tab 1] Statement of Qualifications (SOQ) form (Attachment B)

Complete and submit a Statement of Qualifications (SOQ) form (Attachment B). All listed projects should have been undertaken within the last ten (10) years.

[Tab 2] Relevant Experience (maximum 16 single-sided pages, or equivalent, total)

Include project descriptions and illustrations of the five projects listed in Attachment B, along with other relevant projects at your discretion, but not more than 16 single-sided pages (or eight double-sided pages) total. *Label clearly the location and dates of the work presented; identify clearly the firms and/or personnel responsible in each case, and*

their relationships to the team for this project. Standard “cut sheets” may not fully satisfy this requirement.

[Tab 3] Applicant’s Qualifications

Identify key staff that will work on the project, and describe their roles. Include *brief* descriptions (one paragraph or a *short* list of bullet points) of their relevant qualifications and background. Identify both the architect and subconsultants as part of the team proposed (team members as well as firms), and include an organization chart. Concise presentation of this material is strongly encouraged.

The University anticipates that the proposed project will require the Executive Architect to provide the services of external subconsultants, or professional expertise from its own staff, in at least the following disciplines:

- Structural Engineering
- Mechanical, Electrical & Plumbing Engineering
- Laboratory Equipment Planning
- Specification Writing
- Code requirements
- Waterproofing

Other subconsultants may be required for this project. Identify each proposed subconsultant by company name and discipline. Indicate address, telephone number and contact person for each subconsultant. Provide a resume for each proposed subconsulting firm. SOQ (Attachment B) forms do not need to be submitted for subconsultants in this initial qualifications submittal. The University reserves the right to approve or reject all external subconsultants, or internal staff performing consulting services, proposed by the Executive Architect during or after the Executive Architect selection process.

[Tab 4] UCLA Design Professional Business Information Form: Attachment D

Complete and sign the Design Professional Business Information Form (Attachment D), including the Self-Certification statement on the second page. The third page should not be submitted.

D. SELECTION SCHEDULE

In accordance with established UCLA procedures, a screening committee will review all submittals in response to the RFQ and determine a short list of firms to refer to the selection committee. The selection committee will determine further selection procedures, which may include interviews at a time to be determined. The anticipated selection process schedule is as follows:

- **Tuesday, October 1, 2019.** The complete request for qualifications (RFQ) packet will be available at www.capitalprograms.ucla.edu/Contracts/RFQProjects.
- **10:00 a.m. on Day, Thursday, October 17, 2019.** RFQ submittals due at UCLA Capital Programs. Hand delivery is encouraged to ensure prompt receipt of submittals; do not use U.S. Mail.

- A screening committee will review these responses and recommend a limited number of firms to the selection committee for further consideration, in accordance with University of California procedures. Interviews are currently anticipated to be scheduled for **Early-November, 2019**.

E. SELECTION OF EXECUTIVE ARCHITECT

The criteria for UCLA review of the submitted proposals and selection of the Executive Architect are provided in the Selection Criteria (Attachment A). UCLA will enter into negotiations of the Executive Design Professional Agreement with the selected Executive Architect for the project. Fees for basic services are intended to be based on the UC fee guidelines (Attachment H). Pending successful negotiations, UCLA intends to complete the EDPA with the Executive Architect. If negotiations are not successful, UCLA reserves the right to negotiate with other interviewed applicants. Prior to execution of the Executive Design Professional Agreement, the selected firm shall assist UCLA in completing the Project Report on Equal Opportunity in the Selection of Design Professionals (Attachment C), and submit a Certificate of Insurance confirming that the coverage required by UCLA has been obtained.

F. DELIVERING RFQ RESPONSES TO UCLA CAPITAL PROGRAMS

To be considered for this study, provide either via files sharing method, emailed solely to Lmartinez@capnet.ucla.edu or one (1) electronic USB/CD copy in PDF format of the RFQ submittal documents outlined above in section III. no later than **10:00 a.m. on Day, Thursday, October 17, 2019**.

If you choose to send us a USB/CD copy, **Do not send by U. S. Mail**, no later than the date and time indicated in the advertisement. Deliver RFQ submittal documents and sealed proposal by messenger, delivery service or equivalent to:



UCLA Capital Programs
1060 Veteran Avenue | Box 951365
Los Angeles, CA 90095-1365
Attention: Liliana Martínez
T 310.206.3128
Lmartinez@capnet.ucla.edu

All material submitted becomes the property of UCLA and will not be returned to submitting firm.

SELECTION CRITERIA: ATTACHMENT A

Note: Not all items below will be weighted the same by the Screening and Selection Committees.

1. **Relevant Project Experience.** Applicant's demonstration of adequate and meaningful experience with projects of similar/comparable type and scope. Preference may be given to applicants with University of California, and/or other university work, and whose relevant project experience is with the same project team submitted for the proposed project.
2. **Design Ability.** Applicant's demonstrated commitment to design excellence and ability to achieve high-quality functional, technical, aesthetic, and economic design for similar/comparable projects. Evaluation of prospective Design Professional teams will include experience in and understanding of sustainable design practices.
3. **Affordability.** Applicant's demonstrated success in producing well-designed and affordable buildings. Provide examples of experience with similar construction types.
4. **Responsiveness to Project Requirements.** Applicant's demonstrated success in completing similar/comparable building projects consistent with program, budget, schedule and technical requirements. Evaluation of prospective Design Professional teams will include consideration of responsiveness to project requirements and clients on previous projects, and the quality of the relationships maintained throughout these projects. Attentiveness to and compliance with RFQ instructions, interview requirements, and other aspects of the selection process will be taken as an indication of responsiveness.
5. **Project Team Members' Qualifications.** Applicant's demonstration of relevant project experience, availability and capability of proposed key staff members.
6. **Subconsultants' Qualifications.** Demonstration of relevant project experience and capability of applicant's consultants.
7. **Management and Document Production Capability:** Applicant's demonstrated success in providing comprehensive project management services and project team coordination, producing construction documents of superior quality, and providing prompt and effective construction phase services.
8. **Client Responsiveness.** Applicant's demonstrated success in establishing effective working relationships with client capital projects administrative and technical staff, user representatives, client consultants, construction managers and contractors.
9. **Proximity to Project.** Proximity of the applicant's office to UCLA, or demonstrated ability to provide high-quality Executive Architect services from a non-local office.
10. **Equal Opportunity Employment.** Applicant's demonstration of a company Equal Opportunity Employment policy and compliance with applicable federal law pertaining to Equal Opportunity Employment. The University follows a policy of equal opportunity in University business contracting.

STATEMENT OF QUALIFICATIONS: ATTACHMENT B

1. Firm Name: _____
2. Business Address: _____

3. Year Firm Established: _____ Telephone: _____
Fax: _____ Email: _____
4. Type of Organization (Check one):
a. Sole Proprietorship () b. Partnership () c. Corporation () d. Joint Venture ()
5. Principals (P) and Associates (A) (Check "P" or "A" for each) who would work on this project:

	NAME	P	A	DEGREE OR CERTIFICATE	INSTITUTION
a.					
b.					
c.					
d.					
e.					
f.					
g.					

6. Current number and past five-year average number of staff employed in applicant's office where key staff for the proposed project(s) are located.

		Current	5-year
a.	Principal Architects	_____	_____
b.	Staff Architects	_____	_____
c.	Other Professional Staff	_____	_____
d.	Technical support	_____	_____
f.	Clerical	_____	_____
g.	Administrative	_____	_____

7. List five (5) major projects constructed within the past ten (10) years that demonstrate applicant's experience with projects similar to the proposed project.

PROJECT	OWNER & CONTACT	YEAR	CONSTR. COST
i.			
ii.			
iii.			
iv.			
v.			

8. References:

- a. _____
b. _____
c. _____

By (name and signature): _____ Date: _____

PROJECT REPORT ON EQUAL OPPORTUNITY IN THE SELECTION OF DESIGN PROFESSIONALS: ATTACHMENT C

For your information only

The Facility must complete this form for each design agreement executed for reporting purposes. Maintain these reports in a separate file at the Facility.

1. Campus/facility_____ Date_____
2. Project Name/Number_____
3. Date of execution of Agreement_____
4. Major____ Minor____ Capital Improvement Project____ Maintenance Project____
5. Estimated Total \$ amount of construction of project_____
6. Estimated total \$ amount of design professional fees of project_____
7. Design professional selected_____
Address_____
8. The selected design professional is a SBE____, DBE____, WBE____, DVBE____
None of the above_____
9. Attached Self-Certification Design Professional form for a firm self-certifying as SBE, DBE, WBE, or DVBE.
10. Date:_____

Name of Responsible Administrator
submitting report

Title of Responsible Administrator
submitting report

Selection committee:
Names of Members

Total Number of Members_____
Job Titles

- a. _____
b. _____
c. _____
d. _____

If "None of the above" is checked for Item 8, list the SBE, DBE, WBE, and DVBE outreach activities for this project

Date:_____

Name of Responsible Administrator
submitting report

Title of Responsible Administrator
submitting report

DESIGN PROFESSIONAL ONLY- ATTACHMENT D: TO BE COMPLETED BY ALL FIRMS OR INDIVIDUALS PROPOSING TO DO BUSINESS WITH THE UNIVERSITY OF CALIFORNIA, LOS ANGELES

COMPANY NAME:				CONTACT PERSON: (Indicate Ms., Mr., etc.)					
DBA (IF APPLICABLE):									
STREET ADDRESS:									
MAILING ADDRESS (if different from street address):									
TELEPHONE NO.:		TOLL FREE NO.:			FAX NO.:				
E-MAIL:				TAX IDENTIFICATION NUMBER:					
Are any of the owners or owners' relatives currently employed by the University of California? <input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, please provide details on attached sheet)									
PRINCIPALS (P) & ASSOCIATES (A)									
Name		P	A	Degree or Certificate		Institution			
Indicate dollar range of projects in which your firm would be interested CHECK ALL THAT APPLY. <input type="checkbox"/> UP \$250,000 <input type="checkbox"/> \$250,000-\$1,000,000 <input type="checkbox"/> \$1,000,000-\$5,000,000 <input type="checkbox"/> Over \$5,000,000									
AREAS OF EXPERTISE: _____									
REGISTRATION NO: _____									
OWNERSHIP OF BUSINESS (Check One): <input type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Individual/Sole Proprietorship Year Established: _____									
OWNERSHIP STATUS CATEGORIES: (Place an "X" in the boxes that best describes your firm's ownership)									
Type of Business		Asian/Indian Asian/Pacific American	Black African American	Hispanic American	Native American Indian	White Caucasian American	Other	Disabled Veteran	Socially & Economically Disadvantaged
LARGE BUSINESS	Woman Owned								
	Male Owned								
SMALL BUSINESS	Woman Owned								
	Male Owned								

PLEASE RETURN THIS PROFILE TO UNIVERSITY OF CALIFORNIA, LOS ANGELES, CAPITAL PROGRAMS, CONTRACT ADMINISTRATION, 1060 VETERAN AVENUE, LOS ANGELES, CA 90095-1365. IF YOU HAVE ANY QUESTIONS, CALL CONTRACT ADMINISTRATION AT 310.825.7015.

Signature

Title

Date

SELF CERTIFICATION:

For the Contractor and each Subcontractor indicated on the Report of Subcontractor Information, the following must be completed. OR For the Consultant and each Sub-consultant, the following must be completed.

Indicate all Business category(ies) that apply by initialing next to the applicable category(ies):

_____ **Small Business Enterprise (SBE)** - an independently owned and operated concern certified, or certifiable, as small business by the Federal Small Business Administration (SBA). (Size standards by Standard Industrial Classification codes required by the Federal Acquisition Regulations, Section 19.102, may be found at <http://www.sba.gov/content/table-small-business-size-standards>.) The eligibility requirements for California contracting purposes is on the [Department of General Services website](http://www.dgs.ca.gov/pd/Programs/OSDS/SBEligibilityBenefits.aspx) at <http://www.dgs.ca.gov/pd/Programs/OSDS/SBEligibilityBenefits.aspx>. The University may rely on written representation by the vendors regarding their status.

_____ **Disabled Veteran Business Enterprise (DVBE)** - a business that is at least 51% owned by one or more disabled veterans or, in the case of any publicly owned business, at least 51% of the stock of which is owned by such individuals and whose management and daily business operations are controlled by one or more of such individuals. A Disabled Veteran is a veteran of the military, naval, or air service of the United States with a service connected disability who is a resident of the State of California. To qualify as a veteran with a service connected disability, the person must be currently declared by the United States Veterans Administration to be 10% or more disabled as a result of service in the armed forces.

_____ **Disadvantaged Business Enterprise (DBE)** - a business concern that is at least 51% owned by one or more socially and economically disadvantaged individuals or, in the case of any publicly owned business, at least 51% of the stock of which is owned by such individuals and whose management and daily business operations are controlled by one or more of such individuals. Socially disadvantaged individuals are those who have been subjected to racial or ethnic prejudice or cultural bias because of their identity as members of a group without regard to their individual qualities. Economically disadvantaged individuals are those socially disadvantaged individuals whose ability to compete in the free private enterprise system has been impaired due to diminished capital and credit opportunities as compared to others in the same business area who are not socially disadvantaged. Business owners who certify that they are members of named groups (Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans, Asian-Indian Americans) are to be considered socially and economically disadvantaged.

_____ **Women-Owned Business Enterprise (WBE)** - a business that is at least 51% owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" in this context means being actively involved in the day-to-day management.

_____ **None of the above categories apply.**

SELF CERTIFICATION: (continued)

I hereby certify under penalty of perjury under the laws of the State of California that I have read this certification and know the contents thereof, and that the business category indicated above reflects the true and correct status of the business in accordance with Federal Small Business Administration criteria and Federal Acquisition Regulations, FAR 19 pertaining to small, disadvantaged, women-owned, and disabled veteran business enterprises. I understand that falsely certifying the status of this business, obstructing, impeding or otherwise inhibiting any University of California official who is attempting to verify the information on this form may result in suspension from participation in University of California business contracts for a period up to five (5) years and the imposition of any civil penalties allowed by law.

INFORMATION FURNISHED BY:

(Print or Type Name of Owner and/or Principal)

NAME OF BUSINESS:

NAME:

TITLE:

SIGNATURE:

DATE:

PRIVACY NOTIFICATION

The State of California Information Practices Act of 1977 (effective July 1, 1978) requires the University of California to provide the following information to individuals who are asked to supply personal information about themselves. Information furnished on the Self-Certification form may, in some cases, identify personal information of an individual.

- The University of California, Los Angeles, is requesting the information contained in this form and the accompanying Report of Subcontractor Information.
- The Small Business Outreach Program Manager at the University of California, Los Angeles, is responsible for maintaining the requested information. The contact information for the Small Business Outreach Program Manager may be found at: <http://www.ucop.edu/procurement-services/files/sbdmgr.xlsx>
- The maintenance of information is authorized in part by Public Contract Code section 10500.5.
- Furnishing the information requested on this form is mandatory. If SBE, DBE, WBE and/or DVBE status is applicable, furnishing such information is mandatory.
- Failure to provide the information may be a violation of bidding procedures and/or breach of the contract and the University may pursue any and all remedies permitted by the provisions of the Contract Documents.
- The information on this form is collected for monitoring and reporting purposes in accordance with state law and University policy.
- The individual may access information contained in this form and related forms by contacting the Small Business Outreach Program Manager(s).

RETAIN FOR YOUR RECORDS

INSURANCE REQUIREMENTS FOR CONSULTANT FIRMS WORKING WITH THE UNIVERSITY OF CALIFORNIA

The companies affording policies must have a Best rating of A- or better and a financial classification of VIII or better, or a rating by Standard & Poor of AA or better, or a Moody's rating of AA or better.

TYPES OF INSURANCE

- 1) **General Liability Insurance** (Comprehensive or Commercial Form): Shall provide \$2,000,000 coverage for each of the following: Each Occurrence and Personal and Advertising Injury. Shall provide \$2,000,000 coverage for each of the following: Products/Completed Operations Aggregate and General Aggregate.
- 2) **Business Automobile Liability Insurance:** For owned, scheduled, non owned, or hired automobiles, with a combined single limit of no less than \$1,000,000 per accident.
- 3) **Worker's Compensation:** As required by the State of California law.
- 4) **Professional Liability Insurance:** Required by Consultants who will be preparing design or construction documents. Amount of coverage required is determined by size of project. For pre-design study work done under a Professional Services Agreement (PSA), major capital projects require coverage of \$2,000,000 per claim and \$2,000,000 in the aggregate. For design work done under an Executive Design Professional Agreement (EDPA), major capital projects require coverage of \$2,000,000 per claim and \$2,000,000 in the aggregate. Insurance policy must include Contractual Liability Coverage or endorsements to the policy for Contractual Liability Coverage.

ADDITIONAL REQUIREMENTS

- 1) Insurance company must complete University's Certificate of Insurance form. This form provides that Consultant's insurance shall be the primary insurance as respects to the University and that any insurance or self-insurance maintained by the University shall be in excess of and non-contributory with Consultant's insurance.
- 2) Coverage may not be cancelled without ten (10) days advance written notice to University.
- 3) If insurance policies are cancelled for non-payment, University reserves the right to maintain policies in effect by continuing to make the policy payments; cost of so maintaining the policies will be assessed against Consultant.
- 4) The General Liability Insurance policy and the Business Automobile Liability Insurance policy must name The Regents of the University of California as an Additional Insured.
- 5) All insurance policies shall apply to the negligent acts or omissions of Consultant, its officers, agents, and employees, and to Consultant's legal responsibility for the negligent acts or omissions of its subconsultants and anyone directly or indirectly under the control, supervision, or employ of Consultant or subconsultants.

PROFESSIONAL SERVICES AGREEMENT
between
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
and
{TBD}

This AGREEMENT is made on the _____ day of _____ in the year _____ between The Regents of the University of California, a California corporation, hereinafter called "University" and {TBD} hereinafter called "Consultant," to furnish certain services upon the following terms and conditions:

I. CONSULTANT SERVICES AND RESPONSIBILITIES

A. Consultant shall furnish the following services:

1. Act as a consultant to the University of California, Los Angeles, to perform {SCOPE OF SERVICES}, as required and authorized by University. Under this Agreement, Consultant may perform pre-design services but in no event does this Agreement authorize the preparation of any design documents, including Schematic Design.

University will authorize Consultant to perform specific services by the issuance of a Written Authorization(s) on the form contained in the Exhibits. Each Written Authorization will state the specific services to be performed, the schedule for their completion, and the method of compensation in accordance with Paragraph IV.

2. Furnish drawings, documents, reports, surveys, renderings, exhibits, models, prints, and photographs, and other materials as required and as authorized by University.

3. **{NOTE: THIS PARAGRAPH USED ONLY IF APPLICABLE TO SCOPE; OTHERWISE MARKED "NOT USED"}** Perform inspection services as described, pursuant to Written Authorization.

B. **{NOTE: THIS PARAGRAPH USED ONLY IF CONSULTANT MAY ALSO ACT AS PROJECT'S DESIGN PROFESSIONAL; OTHERWISE MARKED "NOT USED"}** Consultant hereby represents to University that:

1. Consultant acknowledges that it has been selected to perform services for the Project including services as Design Professional under the Executive Design Professional Agreement (EDPA) in the Exhibits;
2. Consultant acknowledges that University has deferred negotiations on a fee for Basic Services and rate schedule for Additional Services described in the EDPA; and
3. Consultant has read and understood the EDPA in the Exhibits and agrees to all of its terms and provisions.

C. **{NOTE: THIS PARAGRAPH USED ONLY IF CONSULTANT MAY ALSO ACT AS PROJECT'S DESIGN PROFESSIONAL; OTHERWISE MARKED "NOT USED"}** If University requires Consultant's services as Design Professional for the Project, Consultant agrees to the following:

1. Consultant will not request any modifications to those terms and provisions to the EDPA and will execute the EDPA in the form in the Exhibits; and
2. Consultant will negotiate in good faith both a fee to perform the Basic Services and a rate schedule to perform Additional Services based on its then current rate structure consistent with its normal practice and consistent with University guidelines for fees and rates for similar projects.

II. TERM

- A. Order Period. The period of time for issuance of written Authorizations to Perform Services (hereinafter "Order Period") shall be from {TBD} to {TBD}.
- B. Period of Performance. The period of performance under the Agreement shall be as specified in any written Authorizations to Perform Services, or subsequent revisions thereto, issued during the Order Period. However, the period of performance shall not commence prior to the date of execution of any such written Authorization.
- C. University-Initiated Termination.
1. If University determines that Consultant has failed to perform in accordance with the terms and conditions of this Agreement, University may terminate all or part of the Agreement for cause. This termination shall become effective if Consultant does not cure its failure to perform within 10 days (or more, if authorized in writing by University) after receipt of a notice of intention to terminate from University specifying the failure in performance. If a termination for cause does occur, University shall have the right to withhold monies otherwise payable to Consultant until the services under this Agreement are completed. If University incurs additional costs, expenses, or other damages due to the failure of Consultant to properly perform pursuant to the Agreement, these costs, expenses, or other damages shall be deducted from the amounts withheld. Should the amounts withheld exceed the amounts deducted, the balance will be paid to Consultant upon completion of the services to be provided under this Agreement. If the costs, expenses, or other damages incurred by University exceed the amounts withheld, Consultant shall be liable to University for the difference.
 2. University may terminate this Agreement for convenience at any time upon written notice to Consultant, in which case University will pay Consultant for all services performed and all expenses incurred under this Agreement up to and including the effective date of termination less any costs, expenses or other damages due to the failure of Consultant to properly perform pursuant to the Agreement. In ascertaining the services actually rendered up to the date of termination, consideration will be given to both completed Work and Work in progress, whether delivered to University or in the possession of Consultant, and to authorized Reimbursable Expenses. No other compensation will be payable for anticipated profit on unperformed services.
- D. Consultant-Initiated Termination.
- Consultant may terminate this Agreement for cause if University fails to cure a material default in performance within a period of 30 days, or such longer period as Consultant may allow, after receipt from Consultant of a written termination notice specifying the default in performance. In the event of termination for cause by Consultant, University will pay Consultant in accordance with subparagraph II.C.2.

III. GENERAL PROVISIONS

- A. Independent Contractor. Consultant shall perform the services hereunder as an independent contractor and not as an agent or employee of University.
- B. Consultant Hiring. Consultant shall not hire any officer or employee of University to perform any service covered by this Agreement. If the service is to be performed in connection with a federal contract or grant, Consultant shall not hire any employee of the United States government to perform any service covered by this Agreement.
- C. Subconsultants. Consultant shall cooperate with other professionals employed by University in the production of other work related to its services. Subject to approval by University, Consultant shall contract for or employ, at its expense, such professional subconsultants as Consultant deems necessary for the completion of the services. Consultant may hire the

services of subconsultants with University approval in place of or in addition to those employed or retained by Consultant. Consultant is as responsible for the performance of its subconsultants as it would be if it had rendered these services itself. Nothing in the foregoing procedure shall create any contractual relationship between University and the professionals employed by Consultant under the terms and conditions of this Agreement. Consultant is solely responsible for payment of any subconsultants.

- D. Legal and Regulatory Compliance. Consultant shall perform all services and prepare documents in compliance with the applicable requirements of laws, codes, rules, regulations, ordinances, and standards.
- E. Copyright, Ownership and Use of Materials. Consultant hereby assigns to the University all right, title, and interest, including, but not limited to, copyright and all copyright rights, in all Materials created by Consultant in its performance under this Agreement and/or delivered to the University hereunder and shall execute any documents necessary to effectuate such assignment, with the exception that Consultant hereby grants to the University an irrevocable, fully-paid up, royalty-free license to use any document provided to the University including without limitation any document known as a "detail." Consultant warrants that it has the lawful right to grant the forgoing license to the University. In the event Consultant uses any individual who is not a full-time employee of Consultant or entity to perform any work required of it pursuant to this Agreement, Consultant shall require said individual or entity to sign an agreement containing identical wording as the foregoing with the exception that word "Consultant" is to be replaced with the individual's or entity's name. Materials constitute all written and other tangible expressions, including, but not limited to, drawings, documents, reports, surveys, renderings, exhibits, models, prints, photographs, etc. All Materials furnished by the Consultant hereunder shall be and shall remain the property of the University. In the event of Agreement termination by either party for any reason, as provided under this Agreement, the University will have the right to receive, and the Consultant shall promptly provide to the University, all drawings, documents, reports, surveys, renderings, exhibits, models, prints, photographs, and other materials prepared by the Consultant for the services under this Agreement. In the event of termination, and any dispute regarding the amount to be paid under this Agreement notwithstanding, the University retains the right to receive and use any such documents or materials. The foregoing provisions shall survive the term and termination of this Agreement.
- F. Consultant's Accounting Records. *Consultant's Accounting Records.* All books and records relating to this Agreement shall be maintained in accordance with Generally Accepted Accounting Principles (GAAP) or International Financial Reporting Standards (IFRS). University or University's authorized representative shall have access to and the right to audit and the right to copy all of Consultant's books and records. Consultant records shall include but not be limited to accounting records (hard copy, as well as computer readable data if it can be made available); contracts; payroll records; subconsultant agreements; vendor agreements; purchase orders; leases; original estimates; estimating work sheets; correspondence; receipts; memoranda; and any other supporting evidence deemed necessary to substantiate charges under this agreement. All such books and records shall be preserved for a period of at least 3 years from the date of Final Payment under this Agreement.
- G. Conflict of Interest. Consultant affirms that to the best of its knowledge there exists no actual or potential conflict between Consultant's family, business, or financial interests (including services provided to another client) and the services provided under this Agreement, and that in the event of a change in either the private interests or services under this Agreement, any questions regarding a possible conflict of interest that may arise as a result of this change shall be disclosed in writing to University. Consultant shall not be in a reporting relationship to a University employee who is a near relative, nor shall the near relative be in a decision-making position with respect to Consultant.
- H. Successors and Assigns. If Consultant transacts business as an individual, upon Consultant's death or incapacitation, University will automatically terminate this Agreement

as of the date of such event. If so terminated, neither Consultant nor Consultant's estate shall have any further right to perform hereunder, and University shall pay Consultant or the estate the prorated unpaid compensation due under Article IV for any services rendered prior to this termination.

If there is more than one Consultant, and any one of them dies or becomes incapacitated, and the others continue to render the consulting services covered herein, University will make payments to those continuing as though there had been no death or incapacitation; University will not be obliged to take any account of the person who died or became incapacitated or to make any payment to this person or this person's estate. These provisions shall apply in the event of progressive or simultaneous occasions of death or incapacitation among any group of persons named as Consultant herein; if death or incapacitation befalls the last member of this group before the services of this Agreement are fully performed, then the rights shall be as if there had been only one Consultant.

This Agreement shall be binding upon University and Consultant and their respective successors and assigns. Neither the performance of this Agreement nor any part thereof, nor any monies due or to become due hereunder, may be assigned by Consultant without the prior written consent and approval of University.

- I. Information Furnished by University. If required for the performance of Consultant's services, University will furnish information, surveys, reports, as-builts, and other materials at University's expense.
- J. Statistical Reporting. At the commencement of performance, Consultant shall complete and submit, and require each Subconsultant who performs services under this Agreement to complete and submit, a Self-Certification on the form contained in the Exhibits. At the completion of work and prior to final payment, Consultant shall complete and submit a Final Distribution of Contract Dollars under this Agreement on the form contained in the Exhibits.
- K. Confidentiality. Consultant shall use his or her best efforts to keep confidential a) any information produced or created by Consultant under this Agreement including but not limited to test results, sampling results, data, plans and reports; b) any information provided by University and marked "Confidential Information"; or c) any oral information conveyed to Consultant by University and followed by a written communication within thirty (30) days that said information shall be considered Confidential Information. In the event that Consultant determines that it has a legal obligation to disclose such Confidential Information pursuant to a third party demand, Consultant shall notify the University in writing of its receipt of such demand and of Consultant's determination that it has a legal obligation to disclose Confidential Information. Consultant shall not disclose any such Confidential Information until at least ten (10) days from the date of receipt by University of Consultant's written notice. This nondisclosure provision shall not apply to any of the following:
 - 1. Information which Consultant can demonstrate by written records was known to him or her prior to the effective date of this Agreement;
 - 2. Information that is currently in, or in the future enters, the public domain other than through a breach of this Agreement or through other acts or omissions of Consultant; or
 - 3. Information that is obtained lawfully from a third party.
- L. Survival. The provisions of this Agreement which by their nature survive expiration or termination of the Agreement or Final Completion of any related Project or the performance of services under this Agreement, including any and all warranties, confidentialities, indemnities, payment obligations, and University's right to audit Consultant's books and records, shall remain in full force and effect after any expiration or termination of the Agreement or Final Completion of any related Project or the performance of services under this Agreement.

- M. UC Fair Wage. Consultant shall pay all persons providing services and/or any labor on site, including any University location, no less than UC Fair Wage (defined as \$13 per hour as of 10/1/15, \$14 per hour as of 10/1/16, and \$15 per hour as of 10/1/17) and shall comply with all applicable federal, state and local working condition requirements.
- N. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which together shall constitute one and the same Agreement. The counterparts of this Agreement may be executed via a University approved digital signature process and shall have the same force and effect as the use of a manual signature. University reserves the right to reject any digital signature that cannot be positively verified by the University system as an authentic digital signature.

IV. COMPENSATION

- A. Compensation payable by University under this Agreement shall not exceed \${TBD}.
- B. University will have the right to withhold payment from Consultant for any unsatisfactory service until such time service is performed satisfactorily.
- C. University will compensate Consultant for the scope of services provided in accordance with this Agreement, computed as follows:
 - 1. For each Written Authorization, a maximum payment shall be established that shall not be exceeded without the prior written approval of University.
 - 2. All fees shall be in accordance with Consultant Rate Schedule contained in the Exhibits. Unless otherwise provided in Consultant Rate Schedule, rates shall not be changed except in accordance with Subparagraph VIII.A. Alternatively, a lump-sum fee may be negotiated.
 - 3. Payments to Consultant shall be made monthly, subsequent to University's receipt of an invoice itemizing the fees and reimbursable expenses for each Written Authorization for the month invoiced.
 - 4. Reimbursable expenses are actual expenditures made by Consultant and Consultant's employees and subconsultants in accordance with the Reimbursement Schedule contained in the Exhibits. Such reimbursable expenses will be paid in addition to the fees for services under this Agreement.

V. INDEMNIFICATION AND INSURANCE

A. INDEMNIFICATION

- 1. Consultant shall indemnify, defend, and hold harmless University and its Regents, officers, employees, agents, and representatives (collectively, "Indemnitee"), against all liability, demands, claims, costs, damages, injury including death, settlements, and expenses (including without limitation, interest and penalties) incurred by Indemnitee ("Losses") arising out of the performance of services or Consultants other obligations under this Agreement, but only in proportion to and to the extent such Losses are caused by or result from (1) the negligent acts or omissions of Consultant, its officers, agents, employees, subcontractors, subconsultants, or any person or entity for whom Consultant is responsible (collectively, "Indemnitor"); (2) the breach by Indemnitor of any of the provisions of this Agreement; or (3) willful misconduct by Indemnitor.
- 2. The indemnification obligations under this Article V shall not be limited by any assertion or finding that (1) the person or entity indemnified is liable by reason of non-delegable duty, or (2) the Losses were caused in part by the negligence of, breach of contract by, or violation of law by Indemnitee. The obligation to defend shall arise regardless of any claim or assertion that Indemnitee caused or contributed

to the Losses. Indemnitor's reasonable defense costs (including attorney and expert fees) incurred in providing a defense for Indemnitees shall be reimbursed by University except to the extent such defense costs arise, under principles of comparative fault, from Indemnitor's (a) negligent acts or omissions; (b) breach of any of the provisions of this Agreement; or (c) willful misconduct.

3. Consultant shall indemnify, defend, and save harmless Indemnitee from and against all loss, cost, expense, royalties, claims for damages or liability, in law or in equity, including, without limitation, attorney fees, court costs, and other litigation expenses that may at any time arise or be set up for any infringement (or alleged infringement) of any patent, copyright, trade secret, trade name, trademark or any other proprietary right of any person or entity in consequence of the use by Indemnitee of any documents (including any method, process, product, concept specified or depicted) supplied by Indemnitor in the performance of this Agreement.
4. Nothing in this Agreement, including the provisions of this Article V, shall constitute a waiver or limitation of any rights which Indemnitee may have under applicable law, including without limitation, the right to implied indemnity.

B. INSURANCE

1. Insurance Requirements. Consultant, at Consultant's sole cost and expense, shall insure its activities in connection with this Agreement, and shall obtain, keep in force, and maintain insurance as listed below. The coverages required under subparagraph V.B shall not in any way limit the liability of Consultant.
 - a. Commercial-Form General Liability Insurance with coverage and minimum limits as follows:

i.	Each Occurrence	{TBD}
ii.	Products Completed, Operations Aggregate	{TBD}
iii.	Personal and Advertising Injury	{TBD}
iv.	General Aggregate	{TBD}
 - b. Business Automobile Liability Insurance for owned, scheduled, nonowned, and hired automobiles, with a combined single limit of no less than \${TBD} per accident.
 - c. **{NOTE: PROFESSIONAL LIABILITY INSURANCE IS NOT REQUIRED FOR EVERY TYPE OF CONSULTING SERVICE}** Professional Liability Insurance with limits of \${TBD} per claim and \${TBD} in the aggregate.
 - d. If the above insurance (subparagraphs V.B.1.a – V.B.1.c) is written on a claims-made basis, it shall be maintained continuously for a period of no less than 3 years after the date of Final Completion of the services authorized pursuant to each Written Authorization executed. The insurance shall have a retroactive date of placement prior to, or coinciding with, the date services are first provided that are governed by the terms of this Agreement and shall include, without limitation, coverage for professional services as called for in this Agreement. Insurance required by subparagraphs V.B.1.a-V.B.1.c shall be (i) issued by companies that have a Best rating of A- or better, and a financial classification of VIII or better (or an equivalent rating by Standard & Poor or Moody's) or (ii) guaranteed, under terms consented to by University (such consent to not be unreasonably withheld), by companies with a Best rating of A- or better, and a financial classification of VIII or better (or an equivalent rating by Standard & Poor or Moody's).

- e. Workers' Compensation and Employer's Liability Insurance as required by Federal and State of California law. Insurance required by this subparagraph V.B.1.e shall be issued by companies (i) that have a Best rating of B+ or better, and a financial classification of VIII or better (or an equivalent rating by Standard & Poor's or Moody's); or (ii) that are acceptable to University.
- f. Consultant, upon the execution of this Agreement, shall furnish University with Certificate of Insurance evidencing compliance with this Article V, including the following requirements:
 - i. Consultant shall have the insurance company complete University's Certificate of Insurance on the form contained in the Exhibits. If Consultant's insurance company refuses to use University's Certificate of Insurance form, it must provide a Certificate of Insurance (and endorsements, if needed) evidencing compliance with subparagraph V.B. and Special Provisions 1 through 3 on the Certificate of Insurance Exhibit. It alone constitutes evidence of insurance.
 - ii. If insurance policies are canceled for non-payment, University reserves the right to maintain policies in effect by continuing to make the policy payments and assessing the cost of so maintaining the policies against Consultant.
 - iii. University, University's officers, agents, employees, consultants, University's Representative, and University's Representative's consultants, regardless of whether or not identified in the Contract Documents or to Consultant in writing, will be included as additional insureds on Consultant's general liability policy for and relating to the Work to be performed by Consultant and Subcontractors. Consultant's general liability insurance policy shall name University as an additional insured pursuant to additional insured endorsement CG2010 (11/85) or a combination of both CG 2010 (10/01 or 07/04) and CG 2037 (10/01 or 07/04). The General Liability coverage shall contain a Severability of Interest provision and shall be primary insurance as respects The Regents of the University of California, its officers, agents and employees. Any insurance or self-insurance maintained by The Regents of the University of California shall be excess of and non-contributory with this insurance. This requirement shall not apply to Worker's Compensation and Employer's Liability Insurance. The Professional Liability insurance policy shall include Contractual Liability Coverage or endorsements to the insurance policies for Contractual Liability Coverage for liability that would exist in the absence of the contract.
 - iv. The General Liability and the Professional Liability insurance policies shall apply to the negligent acts, or omissions of Consultant, its officers, agents, employees, and for Consultant's legal responsibility for the negligent acts or omissions of its consultants and anyone directly or indirectly under the control, supervision, or employ of Consultant or Consultant's consultants.

VI. STATUTORY AND OTHER REQUIREMENTS

A. NONDISCRIMINATION

- 1. In connection with the performance of the Consultant pursuant to this Agreement, the Consultant shall provide equal treatment to, and not willfully discriminate against or allow harassment of, any employee or applicant for employment on the basis of:

race; color; religion; ancestry; national origin; sex; age; sexual orientation; physical or mental disability; veteran's status; medical condition (as defined in Section 12926 of the California Government Code); marital status; gender identity; pregnancy; citizenship (within the limits imposed by law or by The Regents' policy and including cancer-related or genetic characteristics); or service in the uniformed services (as defined by the Uniformed Services Employment and Reemployment Rights Act of 1994). Consultant will also take affirmative action to ensure that any such employee or applicant for employment is not discriminated against on any of the bases identified above. This equal treatment shall apply, but shall not be limited to, the following: upgrade, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeships. Consultant also agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause. Consultant will, in all solicitations or advertisements for employees placed by or on behalf of the consultant, state that qualified applicants will receive consideration for employment without regard to: race; color; religion; sex; age; ancestry; national origin; sexual orientation; physical or mental disability; veteran's status; medical condition (as defined in Section 12926 of the State of California Government Code and including cancer-related medical conditions and or genetic characteristics); genetic information (as defined in the Genetic Information Nondiscrimination Act of 2008 and including family medical history); marital status; gender identity, pregnancy, or citizenship (within the limits imposed by law or University's policy) or service in the uniformed services (as defined by the Uniformed Services Employment and Reemployment Rights Act of 1994). For purposes of this provision: (1) "Pregnancy" includes pregnancy, childbirth, and medical conditions related to pregnancy and childbirth; and (2) "Service in the uniformed services" includes membership, application for membership, performance of service, application for service, or obligation for service in the uniformed services.

B. PREVAILING WAGE RATES

1. For purposes of this Article, the term subcontractor or subconsultant shall not include suppliers, manufacturers, or distributors.
2. Consultant shall comply and shall ensure that all subcontractors or subconsultants comply with prevailing wage law pursuant to the State of California Labor Code, including but not limited to Sections 1770, 1771, 1771.1, 1772, 1773, 1773.1, 1774, 1775, 1776, 1777.5, and 1777.6 of the State of California Labor Code. Compliance with these sections is required by this Contract. The Work under this Contract is subject to compliance monitoring and enforcement by the State of California Department of Industrial Relations. References to Covered Services hereinafter shall mean services performed pursuant to this Agreement that are covered by the aforementioned provisions as implemented by the State of California Department of Industrial Relations.
3. The State of California Department of Industrial Relations has ascertained the general prevailing per diem wage rates in the locality, if any, listed in the Written Authorization for the performance of construction, alteration, demolition or repair work as defined in Section 1720 of the State of California Labor Code for each craft, classification, or type of worker required to perform the Covered Services hereunder. A schedule of the general prevailing per diem wage rates will be on file at University's principal facility office and will be made available to any interested party upon request. By this reference, such schedule is made part of this Agreement. Consultant shall pay not less than the prevailing wage rates, as specified in the schedule and any amendments thereto, to all workers employed by Consultant in the execution of the Covered Services hereunder. Consultant shall cause all subcontracts or subconsultant agreements to include the provision that all

subcontractors or subconsultants shall pay not less than the prevailing wage rates to all workers employed by such subcontractor or subconsultants in the execution of the Covered Services hereunder. Consultant shall forfeit to University, as a penalty, not more than \$200 for each calendar day, or portion thereof, for each worker that is paid less than the prevailing wage rates as determined by the Director of Industrial Relations for the work or craft in which the worker is employed for any portion of the Covered Services hereunder performed by Consultant or any subcontractor or subconsultant. The amount of this penalty shall be determined by the Labor Commissioner pursuant to applicable law. Such forfeiture amounts may be deducted from Consultant fee. Consultant shall also pay to any worker who was paid less than the prevailing wage rate for the work or craft for which the worker was employed for any portion of the Covered Services hereunder, for each day, or portion thereof, for which the worker was paid less than the specified prevailing per diem wage rate, an amount equal to the difference between the specified prevailing per diem wage rate and the amount which was paid to the worker.

C. PAYROLL RECORDS

1. Consultant and all subcontractors or subconsultants shall keep an accurate payroll record, showing the name, address, social security number, job classification, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journey person, apprentice, or other employee employed in connection with the Covered Services hereunder. All payroll records shall be certified as being true and correct by Consultant or subcontractors or subconsultants keeping such records; and the payroll records shall be available for inspection at all reasonable hours at the principal office of Consultant on the following basis:
 - a. A certified copy of an employee's payroll record shall be made available for inspection or furnished to such employee or the employee's authorized representative on request.
 - b. A certified copy of all payroll records shall be made available for inspection upon request to University, the State of California Division of Labor Standards Enforcement, and the Division of Apprenticeship Standards of the State of California Division of Industrial Relations.
 - c. A certified copy of all payroll records shall be made available upon request by the public for inspection or copies thereof made; provided, however, that the request by the public shall be made to either University, the Division of Apprenticeship Standards, or the Division of Labor Standards Enforcement. The public shall not be given access to such records at the principal offices of Consultant or subcontractors or subconsultants. Any copy of the records made available for inspection as copies and furnished upon request to the public or any public agency by University shall be marked or obliterated in such a manner as to prevent disclosure of an individual's name, address, and social security number. The name and address of Consultant awarded the Agreement or performing the Agreement shall not be marked or obliterated.
2. Consultant shall file a certified copy of the payroll records with the entity that requested the records within 10 days after receipt of a written request. Consultant shall inform University of the location of such payroll records for the Written Authorization, including the street address, city, and county; and Consultant shall, within 5 working days, provide notice of change of location of such records. In the event of noncompliance with the requirements of this subparagraph or with the State of California Labor Code Section 1776, Consultant shall have 10 days in which to comply following receipt of notice specifying in what respects Consultant must comply. Should noncompliance still be evident after the 10-day period, Consultant shall forfeit to University, as a penalty, \$100 for each day, or portion thereof, for each

worker, until strict compliance is accomplished. Such forfeiture amounts may be deducted from Consultant fee.

D. APPRENTICES

1. Only apprentices, as defined in the State of California Labor Code Section 3077, who are in training under apprenticeship standards and written apprentice agreements under Chapter 4, Division 3, of the State of California Labor Code, are eligible to be employed by Consultant and subcontractors or subconsultants as apprentices for the Covered Services hereunder. The employment and training of each apprentice shall be in accordance with the provisions of the apprenticeship standards and written apprentice agreements under which the apprentice is training and in accordance with prevailing wage law pursuant to the Labor Code, including but not limited to Section 1777.5. The Consultant bears responsibility for compliance with this section for all apprenticeable occupations.
2. Every apprentice shall be paid the standard wage to apprentices, under the regulations of the craft or trade at which the apprentice is employed, and shall be employed only for the Covered Services hereunder in the craft or trade to which the apprentice is indentured.
3. When Consultant or subcontractors or subconsultants employ workers in any apprenticeship craft or trade for the Covered Services hereunder, Consultant or subcontractors or subconsultants shall apply to the joint apprenticeship committee, which administers the apprenticeship standards of the craft or trade in the locality, if any, listed in the Written Authorization for the performance of construction, alteration, demolition or repair work as defined in Section 1720 of the State of California Labor Code, for a certificate approving Consultant or subcontractors or subconsultants under the apprenticeship standards for the employment and training of apprentices in the locality so identified. The committee will issue a certificate fixing the number of apprentices or the ratio of apprentices to journeypersons who shall be employed in the craft or trade on the Covered Services hereunder. The ratio will not exceed that stipulated in the apprenticeship standards under which the joint apprenticeship committee operates; but in no case shall the ratio be less than 1 hour of apprentice work for every 5 hours of journeyperson work, except as permitted by law. Consultant or subcontractors or subconsultants shall, upon the issuance of the approval certificate in each such craft or trade, employ the number of apprentices or the ratio of apprentices to journeypersons fixed in the certificate issued by the joint apprenticeship committee or present an exemption certificate issued by the Division of Apprenticeship Standards.
4. "Apprenticeship craft or trade," as used in this Paragraph, shall mean a craft or trade determined as an apprenticeship occupation in accordance with rules and regulations prescribed by the Apprenticeship Council.
5. If Consultant or subcontractors or subconsultants employ journeypersons or apprentices in any apprenticeship craft or trade in the locality, if any, listed in the Written Authorization for the performance of construction, alteration, demolition or repair work as defined in Section 1720 of the State of California Labor Code, and there exists a fund for assisting to allay the cost of the apprenticeship program in the trade or craft, to which fund or funds other contractors in the locality so identified are contributing, Consultant and subcontractors or subconsultants shall contribute to the fund or funds in each craft or trade in which they employ journeypersons or apprentices on the Covered Services hereunder in the same amount or upon the same basis and in the same manner done by the other contractors. Consultant may include the amount of such contributions in computing its compensation under the Agreement; but if Consultant fails to do so, it shall not be entitled to any additional compensation therefore from University.

6. In the event Consultant willfully fails to comply with this subparagraph VI.D, it will be considered in violation of the requirements of the Agreement.
7. Nothing contained herein shall be considered or interpreted as prohibiting or preventing the hiring by Consultant or subcontractors or subconsultants of journeyperson trainees who may receive on-the-job training to enable them to achieve journeyperson status in any craft or trade under standards other than those set forth for apprentices.

E. WORK DAY

1. Consultant shall not permit any worker providing Covered Services to labor more than 8 hours during any 1 day or more than 40 hours during any 1 calendar week, except as permitted by law and in such cases only upon such conditions as are provided by law. Consultant shall forfeit to University, as a penalty, \$25 for each worker employed in the execution of this Agreement by Consultant, or any subcontractors or subconsultant, for each day during which such worker is required or permitted to work providing Covered Services more than 8 hours in any 1 day and 40 hours in any 1 calendar week in violation of the terms of this subparagraph or in violation of the provisions of any law of the State of California. Such forfeiture amounts may be deducted from the compensation otherwise due under this Agreement. Consultant and each subcontractor or subconsultant shall keep, or cause to be kept, an accurate record showing the actual hours worked each day and each calendar week by each worker employed under this Agreement, which record shall be kept open at all reasonable hours to the inspection of University, its officers and agents, and to the inspection of the appropriate enforcement agency of the State of California.

F. PATIENT HEALTH INFORMATION

1. Consultant acknowledges that its employees, agents, subcontractors, consultants and others acting on its behalf may come into contact with Patient Health Information ("PHI") while performing work at the Project Site. This contact is most likely rare and brief (e.g. walking through a clinic where patient files may be visible, overhearing conversations between physicians while working or touring a hospital, noticing a relative or acquaintance receiving treatment in a University facility, etc.). Consultant shall immediately notify University's Representative of any such contact. Any and all forms of PHI should not be examined closer, copied, photographed, recorded in any manner, distributed or shared. Consultant will adopt procedures to ensure that its employees, agents and subcontractors refrain from such activity. If Consultant, its employees, agents or subcontractors do further examine, copy, photograph, record in any manner, distribute or share this information, Consultant will report such actions immediately to University's Representative. Consultant will immediately take all steps necessary to stop any such actions and will ensure that no further violations of this contractual responsibility will occur. Consultant will report to University's Representative within five (5) days after Consultant gives University's Representative notice of the event/action of the steps taken to prevent future occurrences.

VII. NOTICES

- A. University. Any notice may be served upon University by delivering it, in writing, to University at the address set forth on the last page of this Agreement, by depositing it in a United States Postal Service deposit box with the postage fully prepaid and with the notice addressed to University at the aforementioned address, or by sending a facsimile of it to University facsimile number set forth on the last page of this Agreement.
- B. Consultant. Any notice may be served upon Consultant by delivering it, in writing, to Consultant at the address set forth on the last page of this Agreement, by depositing it in a United States Postal Service deposit box with the postage fully prepaid and with the notice

addressed to Consultant at this address, or by sending a facsimile of it to Consultant facsimile number set forth on the last page of this Agreement.

VIII. AUTHORITY OF AGREEMENT

A. This Agreement represents the entire and integrated agreement between University and Consultant and supersedes all prior negotiations, representations, or agreements, either written or oral. This Agreement may be modified only by a written instrument signed by both University and Consultant and the written instrument shall be an Amendment on the form contained in the Exhibits.

B. This Agreement includes the following Exhibits attached herewith:

Exhibit A:	Written Authorization to Perform Services
Exhibit B:	Consultant Rate Schedule
Exhibit C:	Reimbursement Schedule
Exhibit D:	Certificate of Insurance
Exhibit E:	Amendment
Exhibit F:	Not Used
Exhibit G:	Not Used

{ NOTE: EXHIBIT H USED ONLY IF CONSULTANT MAY ALSO ACT AS PROJECT'S DESIGN PROFESSIONAL; OTHERWISE MARKED "NOT USED" }

Exhibit H:	Executive Design Professional Agreement
Exhibit SC:	Self-Certification
Exhibit FD:	Final Distribution of Contract Dollars

IN WITNESS WHEREOF, UNIVERSITY and CONSULTANT have executed this Agreement on the date(s) set forth below.

CONSULTANT

{TBD}

(Printed Name)

(Title)

By: _____
(Signature)

(Date)

CONSULTANT ADDRESS:

CONSULTANT TELEPHONE NUMBER:

CONSULTANT FACSIMILE NUMBER:

CONSULTANT TAX I.D. NUMBER:

UNIVERSITY:

THE UNIVERSITY OF CALIFORNIA, LOS ANGELES

By: _____
(Signature)

(Date)

UNIVERSITY ADDRESS:

UNIVERSITY FACSIMILE NUMBER:

UNIVERSITY PROJECT MANAGER:

EXHIBIT A

- SAMPLE -

AUTHORIZATION NUMBER TO PERFORM SERVICES

for the
PROFESSIONAL SERVICES AGREEMENT
between
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
and
{TBD}
made on the {PSA Execution Date}

(Note: Order Period is from {TBD} through {TBD}).)

Project Name: <Internal Project Name>
Project Number: <Internal_Project_Number>

- I. IN ACCORDANCE WITH THE TERMS OF THE AGREEMENT ABOVE, YOU ARE HEREBY AUTHORIZED TO PERFORM THE FOLLOWING SERVICES:

{Brief_Project_Description}

- II. **{UCLA: USE THE FOLLOWING ¶ II FOR FIXED FEE ONLY & DELETE ALL REMAINING ¶ IIs}**

NEGOTIATED FIXED FEE SHALL BE: \${UCLA: FILL IN}

- II. **{UCLA: FOR FEMA AUTHS, USE THE FOLLOWING ¶ II FOR TIME & MATERIALS ONLY, & DELETE ALL REMAINING ¶ IIs}** COMPENSATION SHALL BE MADE IN ACCORDANCE WITH CONSULTANT DIRECT PAYROLL COST RATE SCHEDULE IN THIS AGREEMENT, (SEE EXHIBIT B)

A. FIXED PROFIT FEE SHALL NOT EXCEED: \${UCLA: FILL IN}

B. TOTAL COMPENSATION (INCLUDING THE FIXED PROFIT FEE REFERENCED ABOVE) SHALL NOT EXCEED: \${UCLA: FILL IN}

- II. **{UCLA: FOR NON-FEMA AUTHS, USE THE FOLLOWING ¶ II FOR TIME & MATERIALS ONLY, & DELETE ALL REMAINING ALTERNATE ¶ IIs}** COMPENSATION SHALL BE MADE IN ACCORDANCE WITH CONSULTANT RATE SCHEDULE IN THIS AGREEMENT, (SEE EXHIBIT B), AND SHALL NOT EXCEED: \${UCLA: FILL IN}

- III. SERVICES AUTHORIZED TO BE COMPLETED WITHIN: **{AMOUNT OF TIME: number of days, a specific date.}**

{OPTIONAL: INSERT THE FOLLOWING ITEM IV ONLY IF AUTHORIZATION IS FOR SERVICES TO BE PERFORMED DURING DESIGN OR PRECONSTRUCTION OF AN IDENTIFIED PROJECT.}

- IV. LOCALITY FOR PERFORMANCE OF WORK

The locality for the performance of construction, alteration, demolition or repair work as defined in Section 1720 of the State of California Labor Code for the purposes of Article VI of the Agreement will be Los Angeles County.

This Authorization has been executed on the {DATE} day of {MONTH}, {YEAR}.

Consultant: {TBD}

(Printed Name)

(Title)

By: _____
(Signature)

(Date)

CONSULTANT ADDRESS:

CONSULTANT TELEPHONE NUMBER:

CONSULTANT FACSIMILE NUMBER:

UNIVERSITY:

THE UNIVERSITY OF CALIFORNIA, LOS
ANGELES

(Printed Name)

(Title)

By: _____
(Signature)

(Date)

UNIVERSITY ADDRESS:

UNIVERSITY FACSIMILE NUMBER:

UNIVERSITY PROJECT MANAGER:

EXHIBIT B
CONSULTANT RATE SCHEDULE
for the
PROFESSIONAL SERVICES AGREEMENT
(Dated from {TBD} through {TBD})
between
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
and
{TBD}

TBD

{ONE OF THE FOLLOWING MAY BE INCLUDED:}

The above rates will be adjusted biennially in accordance with changes in the Consumer Price Index (CPI).

{OR}

The above rates will be adjusted annually in accordance with actual rate increases paid to personnel. Notwithstanding the preceding, the rate increase for an individual employee shall not exceed **{INSERT PERCENTAGE e.g. 3%}** annually.

EXHIBIT C
REIMBURSEMENT SCHEDULE
for the
PROFESSIONAL SERVICES AGREEMENT
(Dated from {TBD} through {TBD})
between
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
and
{TBD}

Consultant will be reimbursed actual expenditures (up to the maximum limit) in accordance with the following reimbursement schedule only when said expenditures are authorized in writing in advance by University, and only when paid invoices, receipts or other proof of payment is submitted:

TRANSPORTATION RELATED EXPENSES:

Item	Description	Maximum Limit
Mileage	Non-rented car	Current Rate*
Per diem	Daily meal and incidental expenses (for periods in excess of 24 hours)	\$62.00**
Air Fare	Refundable ticket, coach, roundtrip	As approved in advance by University
Rental car	Rented car	As approved in advance by University
Hotel	Lodging expenses must be supported by original itemized receipts, regardless of the amounts incurred, and must be reasonable for the locality of travel. The traveler must be at least forty miles from the headquarter location or home, whichever is closer, to be reimbursed for an overnight stay.	

- * The mileage reimbursement rate is the standard rate for automobiles published by University in Business & Finance Bulletin G-28, "Policy and Regulations Governing Travel," as may be adjusted from time to time by University. Said rate is currently 53.5 cents/mile.
- ** For travel of less than 24 hours, Meals and Incidental Expenses ("M&IE") shall not be reimbursed unless the travel includes an "overnight stay" as supported by a lodging receipt. For domestic travel, reimbursement is limited to the actual cost of lodging. Actual M&IE shall be reimbursed up to a maximum of \$62.00 for the entire trip. An exception to the overnight stay requirement may be allowed when the traveler incurs a meal expense as part of a business meeting and must be substantiated as specified in advance by University.

Transportation, lodging, per diem and related expenses for travel between the Consultant's offices and travel between offices of Consultant and offices of its subconsultants are not reimbursable. Transportation expenses shall be paid on the same basis and shall be subject to the same conditions as those in effect for employees of University. These expenses shall not be compensable unless authorized, in writing, in advance by University and subject to the following condition(s):

Transportation, lodging, and living expenses shall be reimbursable only while traveling outside the greater Los Angeles area.

REPRODUCTION, POSTAGE, AND MISCELLANEOUS EXPENSES:

Expenses for printing, reproductions, postage, handling and delivery for documents, reports, surveys, drawings, and other materials, excluding reproductions for office use by Consultant and the its subconsultants and postage and delivery for transmittals between Consultant's offices or between Consultant and its subconsultants.



CERTIFICATE OF LIABILITY INSURANCE

(for non-UCIP Construction Projects and Consultant/Design Contracts)

DATE (MM/DD/YYYY)

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
	PHONE (A/C, No, Ext):	FAX (A/C, No):
	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	
INSURED	INSURER A:	
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC						
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$ <input type="checkbox"/>						
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y/N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A				WC STATUTORY LIMITS <input type="checkbox"/> OTH-ER <input type="checkbox"/>
	PROFESSIONAL LIABILITY <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE						

Special Provisions:

- The Regents of the University of California, The University of California, University, and each of their Representatives, consultants, officers, agents, employees, and each of their Representative's consultants, are included as additional insureds on the general liability policy as required by contract and pursuant to additional insured endorsement CG2010 (11/85) or a combination of both CG 2010 (10/01 or 07/04) and CG 2037 (10/01 or 07/04) but only in connection with ____ (name of project) ____.
- The General Liability coverage contains a Severability of Interest provision and shall be primary insurance as respects The Regents of the University of California, its officers, agents and employees. Any insurance or self-insurance maintained by The Regents of the University of California shall be excess of and non-contributory with this insurance.

CERTIFICATE HOLDER: The Regents of the University of California

Forward to: {Office, Room Number or Mail Stop}
University of California, {Facility}
{Street Address}
{City, State, Zip}

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

EXHIBIT E

AMENDMENT

for the
PROFESSIONAL SERVICES AGREEMENT
(Dated from {TBD} through {TBD})
between
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
and
{TBD}

Amendment Number {#}

The Agreement between the Regents of the University of California and {TBD}, dated {TBD}, to act as a Consultant to the University of California, Los Angeles, is hereby amended as follows:

{INSERT MODIFICATIONS TO THIS AGREEMENT. FOR EXAMPLE, THE TERM OF THE AGREEMENT MAY BE EXTENDED.}

EXAMPLES:

1. The term of this Agreement is extended to {Month} {Day}, {Year}.
2. Compensation payable by University under this Agreement, including any Amendments, shall not exceed \${AMOUNT IN FIGURES}.
3. Consultant Rate Schedule Exhibit is replaced with the revised Consultant Rate Schedule dated {INSERT DATE} and attached herewith.
4. The following provision is added to this Agreement:
{_____}.

All terms and conditions of this Agreement shall remain in full force and effect unless expressly modified herein or by another duly executed Amendment.

IN WITNESS WHEREOF, University and Consultant have executed this Amendment on the
{_____}.

EXHIBIT SC
SELF-CERTIFICATION
for the
PROFESSIONAL SERVICES AGREEMENT
(Dated from {TBD} through {TBD})
between
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
and
{TBD}

For the Contractor and each Subcontractor indicated on the Report of Subcontractor Information, the following must be completed.

OR

For the Consultant and each Sub-consultant, the following must be completed.

Indicate all Business category(ies) that apply by initialing next to the applicable category(ies):

(Initial if applicable) **Small Business Enterprise (SBE)** - an independently owned and operated concern certified, or certifiable, as small business by the Federal Small Business Administration (SBA). (Size standards by Standard Industrial Classification codes required by the Federal Acquisition Regulations, Section 19.102, may be found at <http://www.sba.gov/content/table-small-business-size-standards>.) The eligibility requirements for California contracting purposes is on the [Department of General Services website](http://www.dgs.ca.gov/pd/Programs/OSDS/SBEEligibilityBenefits.aspx) at <http://www.dgs.ca.gov/pd/Programs/OSDS/SBEEligibilityBenefits.aspx>. The University may rely on written representation by the vendors regarding their status.

(Initial if applicable) **Disabled Veteran Business Enterprise (DVBE)** - a business that is at least 51% owned by one or more disabled veterans or, in the case of any publicly owned business, at least 51% of the stock of which is owned by such individuals and whose management and daily business operations are controlled by one or more of such individuals. A Disabled Veteran is a veteran of the military, naval, or air service of the United States with a service connected disability who is a resident of the State of California. To qualify as a veteran with a service connected disability, the person must be currently declared by the United States Veterans Administration to be 10% or more disabled as a result of service in the armed forces.

(Initial if applicable) **Disadvantaged Business Enterprise (DBE)** - a business concern that is at least 51% owned by one or more socially and economically disadvantaged individuals or, in the case of any publicly owned business, at least 51% of the stock of which is owned by such individuals and whose management and daily business operations are controlled by one or more of such individuals. Socially disadvantaged individuals are those who have been subjected to racial or ethnic prejudice or cultural bias because of their identity as members of a group without regard to their individual qualities. Economically disadvantaged individuals are those socially disadvantaged individuals whose ability to compete in the free private enterprise system has been impaired due to diminished capital and credit opportunities as compared to others in the same business area who are not socially disadvantaged. Business owners who certify that they are members of named groups (Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans, Asian-Indian Americans) are to be considered socially and economically disadvantaged.

(Initial if applicable) **Women-Owned Business Enterprise (WBE)** - a business that is at least 51% owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" in this context means being actively involved in the day-to-day management.

(Initial if applicable) **None of the above categories apply.**

I hereby certify under penalty of perjury under the laws of the State of California that I have read this certification and know the contents thereof, and that the business category indicated above reflects the true and correct status of the business in accordance with Federal Small Business Administration criteria and Federal Acquisition Regulations, FAR 19 pertaining to small, disadvantaged, women-owned, and disabled veteran business enterprises. I understand that falsely certifying the status of this business, obstructing, impeding or otherwise inhibiting any University of California official who is attempting to verify the information on this form may result in suspension from participation in University of California business contracts for a period up to five (5) years and the imposition of any civil penalties allowed by law.

INFORMATION FURNISHED BY:

(Print or Type Name of Owner and/or Principal)

(Name of Business or Firm)

a

(Insert type of business e.g. corporation, sole proprietorship, partnership, etc.)

By:

(Print Name)

(Title)

(Signature)

(Date)

PRIVACY NOTICE

The State of California Information Practices Act of 1977 (effective July 1, 1978) requires the University of California to provide the following information to individuals who are asked to supply personal information about themselves. Information furnished on the Self-Certification form may, in some cases, identify personal information of an individual.

- The University of California, Los Angeles, is requesting the information contained in this form and the accompanying Report of Subcontractor Information.
- The Small Business Coordinator at the University of California, Los Angeles, is responsible for maintaining the requested information. The contact information for the Small Business Coordinators may be found at: <http://www.ucop.edu/procurement-services/files/sbdmgr.xlsx>.
- The maintenance of information is authorized in part by Public Contract Code section 10500.5.
- Furnishing the information requested on this form is mandatory. If SBE, DBE, WBE and/or DVBE status is applicable, furnishing such information is mandatory.
- Failure to provide the information may be a violation of bidding procedures and/or breach of the contract and the University may pursue any and all remedies permitted by the provisions of the Contract Documents.
- The information on this form is collected for monitoring and reporting purposes in accordance with state law and University policy.

The individual may access information contained in this form and related forms by contacting the Small Business Coordinator(s).

Professional Services Agreement/ Standard
Exhibit FD Final Distribution of Contract - 1

Sheet No. 1 of 1

Provide the following information for each contracting party including the Consultant and each subconsultant regardless of tier.* Attach additional sheets if necessary.

[illegible]

*Regardless of tier, a completed Self-Certification must have been submitted for each SBE, DBE, WBE, DVBE indicated on this Exhibit.

EXECUTIVE DESIGN PROFESSIONAL AGREEMENT

**Between
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
And
THE DESIGN PROFESSIONAL**

This AGREEMENT is made on the _____ day of _____ in the year _____ between The Regents of the University of California, a California Corporation, hereinafter called "University" and {TBD}, hereinafter called "Design Professional."

The above named individual or firm shall be the Executive Architect or Engineer and shall comply with the licensing laws of the State of California regarding the practice of architecture or engineering in performing the services set forth in this Agreement for the following project:

UNIVERSITY OF CALIFORNIA, LOS ANGELES

**Project Name: EDPA STANDARD VERSION SAMPLE
Project Number: TBD
Project Order Number: TBD**

PROJECT DESCRIPTION:

TBD

CONSTRUCTION BUDGET: \$TBD

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ARTICLE 1 GENERAL PROVISIONS

1.1 GENERAL REQUIREMENTS

1.1.1 This Agreement shall be governed by the laws of the State of California.

1.1.2 In the event of a conflict between the provisions of any exhibit to this Agreement and the Agreement, the provisions of this Agreement shall govern.

1.1.3 University's exercise of any of its rights or remedies prescribed in this Agreement shall not relieve Design Professional from responsibility for damages or other losses incurred or to be incurred by University as a result of Design Professional's breach of its obligation under this Agreement.

1.1.4 Time is of the essence for this Agreement.

1.1.5 Design Professional shall cooperate with University, its designees, and Contractor in furthering the interests of University.

1.1.6 Design Professional shall cooperate with other professionals University may employ for related work.

1.1.7 To the extent required by University, Design Professional shall consult with authorized employees, agents, and representatives of University relative to the design and construction of a Project.

1.1.8 Design Professional shall perform all services in compliance with applicable laws, codes, rules, regulations, ordinances, University policies, and Facility standards. University policies include without limitation those related to Seismic Safety and Sustainable Practices.

1.1.9 Services required by this Agreement include, at no additional cost to University, all services necessitated, in whole or in part, by errors and omissions of, or breach of this Agreement by, Design Professional, its subconsultants, or any person or entity working under Design Professional.

1.1.10. Design Professional shall pay all persons providing services and/or any labor on site, including any University location, no less than UC Fair Wage (defined as \$13 per hour as of 10/1/15, \$14 per hour as of 10/1/16, and \$15 per hour as of 10/1/17) and shall comply with all applicable federal, state and local working condition requirements.

1.1.11 This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which together shall constitute one and the same Agreement. The counterparts of this Agreement may be executed via a University approved digital signature process and shall have the same force and effect as the use of a manual signature. The University reserves the right to reject any digital signature that cannot be positively verified by the University system as an authentic digital signature.

1.2 DESIGN PROFESSIONAL STANDARD OF CARE

1.2.1 Design Professional, its officers, agents, employees, subcontractors, subconsultants and any persons or entities for whom Design Professional is responsible, shall provide all services pursuant to this Agreement in a manner consistent with the standard of care under California law applicable to those who specialize in providing such services for projects of the type, scope, and complexity of the Project (including its contracting mode).

1.3 DEFINITIONS

Unless defined differently herein, terms used in this Agreement shall have the same meaning as those used in University's Bidding Documents, General Conditions in the Exhibits.

1.3.1 *Agreement.* The term "Agreement" means this Agreement, Supplemental Requirements, Exhibits, Amendments, and all other documents identified in this Agreement which together form the agreement between University and the Design Professional for the Work. The Agreement constitutes the complete agreement between University and the Design Professional and supersedes any previous agreements or understandings.

1.3.2 *Architect (or Engineer) of Record.* The term "Architect of Record" or "Engineer of Record" shall mean the specific University-approved Design Professional named in this Agreement who is the Design Professional's designated principal or staff member in charge of providing all services required by this Agreement.

1.3.3 *As-builts (As-built Drawings and Specifications).* The term "As-builts" shall mean the marked-up version of the Contract Documents prepared by the construction Contractor to record as-built conditions, current changes, and selections made during construction.

1.3.4 *Bidding Documents.* The term "Bidding Documents" shall mean those documents prepared and furnished by University for the purpose of obtaining bids from contractors to construct the Project, including without limitation, the General Conditions and General Requirements attached in the Exhibits.

1.3.5 Construction Budget. The term "Construction Budget" shall mean University's written statement of funds available to pay for the cost of construction.

1.3.6 Construction Documents. The term "Construction Documents" shall mean the documents prepared and furnished by the Design Professional to be used for bidding the construction work for the Project.

1.3.7 Contract Documents. The term "Contract Documents" shall mean the Advertisement for Bids, Instructions to Bidders, Supplementary Instructions to Bidders, Bid Form, Agreement, General Conditions, Supplementary Conditions, Exhibits to the Construction Documents, Specifications, List of Drawings, Drawings, Addenda, Notice to Proceed, Change Orders, Notice of Completion and all other items identified as Contract Documents in the Construction Contract Agreement.

1.3.8 Coordination. The term "Coordination" shall mean that the documents shall be consistent and in conformance each part with all other parts.

1.3.9 Estimated Project Construction Cost. The term "Estimated Project Construction Cost" shall mean Design Professional's written estimate in the form specified by University in the Exhibits, of the total Construction Cost of the Project at the various stages of the design process.

1.3.10 Facility. The term "Facility" means the University of California, Los Angeles.

1.3.11 Project. The term "Project" means the project described on page 1 of this Agreement.

1.3.12 Project Architect (or Engineer). The term "Project Architect" or "Project Engineer" shall mean the specific University-approved Design Professional named in this Agreement who is the Design Professional's designated architect (or engineer) who is the first point of contact in providing all services required by this Agreement.

1.3.13 Project Program. The term "Project Program" shall mean a written statement in the Exhibits of University's design objectives, constraints, and criteria, including space requirements and relationships, flexibility and expendability, special equipment and systems, and Project site requirements.

1.3.14 Project Schedule. The term "Project Schedule" shall mean the schedule prepared by University showing project milestones, funding, design, design review, construction, and other deadlines applicable to the Project.

1.3.15 Record Documents. The term "Record Documents" shall mean those documents (including without limitation the updated version of the Construction Documents) prepared by the Design Professional incorporating Addenda, Change Orders and information from the As-builts and other data furnished by Contractor to Design Professional.

1.3.16 University. The term "University" shall mean the Regents of the University of California.

1.3.17 University's Representative. The term "University's Representative" shall mean the person or entity providing University's Representative services as indicated in the Contract Documents including, but not limited to, issuance of written communications with the Contractor.

1.3.18 University's Designated Administrator. The term "University's Designated Administrator" shall mean the individual acting as University's Designated Administrator pursuant to paragraph 4.1.1.

ARTICLE 2 BASIC SERVICES

Basic Services to be provided by Design Professional include the services described in this Article 2 and as further described in the Supplemental Requirements in the Exhibits.

2.1 GENERAL

2.1.1 The services of Design Professional shall be performed in accordance with the Agreement and the Supplemental Requirements in the Exhibits.

2.1.2 To the extent deemed necessary by Design Professional, Design Professional shall employ architects, mechanical, electrical, structural, and civil engineers licensed as such by the State of California, and such other consultants necessary for the provision of services under this Agreement. All consultants provided under basic services shall be paid by Design Professional. Design Professional shall submit, for approval by University, names of consultants for each professional element of service of the Project. University-approved consultants provided under basic service shall be as named below:

Consultant Name
TBD

Discipline
TBD

Nothing in the foregoing shall create any contractual relationship between University and any consultants employed by Design Professional under the terms of this Agreement. Design Professional is as responsible for the performance of its consultants as it would be if it had rendered these services itself.

2.1.3 Design Professional shall designate a principal or a staff member as the Project Architect or Project Engineer. So long as the Project Architect or Project Engineer performs in a manner acceptable to University, and remains in Design Professional's

employ, the Project Architect or Project Engineer shall remain the first point of contact for all design and other services required under this Agreement, including attending design-related meetings for the Project, unless a substitution mutually acceptable to Design Professional and University is made. University-approved Project Architect or Project Engineer shall be the person named below:

TBD

Additionally, the University may require other individuals working for the Design Professional or its subconsultants to attend design-related meetings as requested by University.

2.1.4 Design Professional shall assist University in fulfilling the requirements of the authorities and funding agencies whose interests bear on the design, cost, and construction of the Project.

2.1.5 Design Professional shall abide by all regulations imposed by authorities having jurisdiction over the Project.

2.1.6 Design Professional shall review site surveys; existing record documents; seismic data; mechanical, geotechnical, and other test reports; environmental documents, and any other documentation furnished by University. From an examination of the site and a review of available information, Design Professional shall determine whether such data are sufficient for purposes of design or whether additional data are needed and, if so, recommend the manner in which it be provided and needed services obtained. Design Professional may rely on the information provided by University but only to the extent such reliance shall be consistent with Design Professional's obligations under this Agreement.

2.1.7 Review, approval or acceptance of Design Professional's work whether by University or others and whether during Schematic Design Phase, Design Development Phase, Construction Documents Phase, Bidding Phase, Construction Phase, Guarantee to Repair Period, or otherwise, shall not relieve Design Professional from responsibility for errors and omissions in Design Professional's work.

2.1.8 Design Professional shall, at no cost to University, satisfactorily correct any and all errors, omissions, deficiencies, or conflicts in the Construction Documents prepared by Design Professional or Design Professional's consultants promptly upon discovery or notice. The obligations of Design Professional to correct defective or nonconforming Work shall not in any way limit any other obligations of Design Professional.

2.2 SCHEMATIC DESIGN PHASE

2.2.1 Upon University's written direction to proceed, Design Professional shall provide Schematic Design Phase services described herein and in the Supplemental Requirements in the Exhibits including, without limitation, Schematic Design Documents for approval by University.

2.3 DESIGN DEVELOPMENT PHASE

2.3.1 Upon University's written direction to proceed, Design Professional shall provide Design Development Phase services as described herein and in the Supplemental Requirements in the Exhibits and based on Schematic Design documents approved in writing by University and any written adjustments in the scope or quality of the Project or in the Construction Budget including, without limitation, Design Development Documents for approval by University.

2.4 CONSTRUCTION DOCUMENTS PHASE

2.4.1 Upon University's written direction to proceed, Design Professional shall provide Construction Documents Phase services as described herein and in the Supplemental Requirements in the Exhibits and based on Design Development documents approved in writing by University and any written adjustments in the scope or quality of the Project or in the Construction Budget including, without limitation, Construction Documents for approval by University.

2.4.2 The Drawings and Specifications shall be consistent with the University's General Conditions in the Exhibits and the Division 1 tailored for the Project including but not limited to any Facility requirements.

2.5 BIDDING PHASE

2.5.1 Upon University's written direction to proceed, Design Professional shall provide Bidding Phase services as described herein and in the Supplemental Requirements in the Exhibits.

2.5.2 If the lowest responsive total bid price received exceeds the Construction Budget by more than 10%, University may, at its discretion, (1) authorize rebidding of the Project within a reasonable period of time; or (2) require Design Professional, at Design Professional's expense, to modify the Project design and the Construction Documents in order to reduce the Estimated Project Construction Cost to a level that falls within the Construction Budget. Modifications proposed by Design Professional shall require University approval prior to incorporation into the revised documents.

2.6 CONSTRUCTION PHASE

2.6.1 Upon University's written direction to proceed, Design Professional shall provide Construction Phase services as described herein and in the Supplemental Requirements in the Exhibits.

2.6.2 The Construction Phase will commence on the date the Agreement between University and Contractor is signed by University and will terminate one year after Notice of Completion or Notice of Cessation, or in the absence of either a Notice of Completion or Notice of Cessation, one year after Final Completion.

2.6.3 Except as otherwise provided in the Contract Documents or as directed by University, all written communications with Contractor shall be sent and received by University's Representative.

2.6.4 Design Professional shall render design interpretations of, and design decisions regarding, the Contract Documents that are necessary for the proper execution or progress of the Work including provision of clarifications and interpretations of the Contract Documents that are consistent with the intent of the documents but which do not involve a change in the scope of the Work. Such clarifications and interpretations shall not involve an adjustment of the Contract Sum or an extension of the Contract Time.

2.6.5 Design Professional shall not be responsible for construction means, methods, techniques, sequences, procedures, or safety precautions and programs in connection with the Work, unless Design Professional specifies, directs, recommends or approves such means, methods, techniques, sequences, procedures, or safety precautions/programs.

2.6.6 Design Professional shall prepare drawings and specifications needed to issue Field Orders and Change Orders as required by the Supplemental Requirements in the Exhibits.

2.6.7 No additional compensation shall be paid to Design Professional for the preparation of Change Orders, including the preparation of Drawings, Specifications, and supporting data and other services required in connection with the preparation of Change Orders until the total cumulative value (calculated by adding the absolute values of both additive and deductive changes not caused, in whole or in part, by Design Professional errors or omissions) exceeds TBD percent of the Contract Sum.

2.6.8 Design Professional shall provide Record Documents as described herein and in the Supplemental Requirements in the Exhibits.

2.6.9 Design Professional shall review the Work at 11 months after Substantial Completion or Final Completion, as applicable, and shall make written recommendations to University for the correction of any deficiencies as required by the Supplemental Requirements in the Exhibits. Dates for inspections shall be as mutually agreed by the parties within the 11th month time frame. The number of work hours associated with the on-site review and preparation of written recommendations shall not exceed 32 hours excluding review and preparation necessitated in whole or in part by Design Professional's errors and omissions.

2.7 INDEPENDENT SEISMIC/STRUCTURAL REVIEW

2.7.1 This Project is subject to an independent seismic/structure review conducted by University and at University expense. Design Professional shall attend meetings as necessary to resolve all seismic issues. Design Professional shall present Drawings and other items as necessary to describe the Project design.

2.8 SCHEDULE

2.8.1 Design Professional acknowledges that all time limits stated in this Agreement are of the utmost importance to University. Design Professional shall meet the Project Schedule, which may be revised from time to time by mutual agreement, for completion of Design Professional's services.

2.8.2 Design Professional shall submit its proposed Work Plan for the performance of Design Professional's services within TBD calendar days following the later of (1) the execution date of this Agreement, or (2) the date on which University authorizes Design Professional to begin performing design phase services. Design Professional's Work Plan shall include without limitation, a schedule for how Design Professional will comply with the Project Schedule.

Design Professional's Work Plan shall include allowances for the periods of time required for University's review and approval of submissions and for approvals by authorities having jurisdiction over the Project. Design Professional's Work Plan, when approved by University, shall not be exceeded by Design Professional except when University and Design Professional mutually agree, in writing, to a revised Project Schedule.

2.8.3 The total time scheduled for full completion of Design Professional's services for each phase of the Project shall not exceed the durations listed below, unless mutually agreed upon in writing by Design Professional and University. The durations for University review period listed in the Project Schedule shall be computed from the date on which a clear, complete submittal is received by University. University's failure to meet its commitment to provide written requested information or to review within the stipulated time frames shall be cause for an adjustment in the Project Schedule. However, submittals received for review which are rejected, in writing, as not meeting the deliverables required by this Agreement and the attachments thereto, shall not be cause for adjustment of the Project Schedule, and any such delay caused by such rejected submittals shall be at the sole responsibility of Design Professional.

- .1 Schematic Design Phase: Complete within TBD weeks plus TBD weeks approval time.
- .2 Design Development Phase: Complete within TBD weeks, plus TBD weeks for approval time.
- .3 Construction Documents Phase: Complete within TBD weeks, plus TBD weeks for approval time.

ARTICLE 3 **ADDITIONAL SERVICES**

Unless required in Article 2 of this Agreement or in the Supplemental Requirements to be performed as part of Basic Services, the services described in this Agreement and the Supplemental Requirements are Additional Services. These Additional Services shall be paid for by University, as provided in this Agreement, in addition to the compensation for Basic Services. Design Professional shall provide Additional Services only when and as authorized in a written instrument signed by University. No Additional Services shall be compensable unless so authorized.

ARTICLE 4 **UNIVERSITY RIGHTS AND RESPONSIBILITIES**

4.1 **ADMINISTRATION**

4.1.1 University shall designate, in writing, an Administrator who will act on behalf of University with respect to this Agreement. Design Professional shall accept directives only from University's Designated Administrator and not from other University employees or consultants. University may replace University's Designated Administrator at its sole option; if this replacement is made, University shall notify Design Professional in writing.

4.1.2 University shall designate, in writing, prior to bidding, a University's Representative.

4.2 **PROVISION OF INFORMATION, SURVEYS, REPORTS AND DATA**

4.2.1 University shall have the right to make changes to the Project Program. When such changes increase the duties of Design Professional beyond those reasonably and customarily provided in Basic Services, Design Professional shall be compensated in accordance with this Agreement.

4.2.2 University shall have the right to make reasonable changes to its Bidding Documents and Design Professional shall be bound by such changes. When such changes increase the duties of Design Professional, beyond those reasonably and customarily provided in Basic Services, Design Professional shall be compensated in accordance with this Agreement.

4.2.3 University shall furnish structural, mechanical, electrical, chemical, soils, and other tests, inspections, and reports as required by law or by the Contract Documents, which are not required to be furnished by Contractor under the Contract Documents.

4.2.4 University shall update the Project Schedule as dates and durations applicable to the Project such as funding deadlines, review periods, anticipated periods of Project suspension, and construction deadlines become known.

4.2.5 If required for the performance of Design Professional's services, University shall furnish an accurate land survey of the Project site, giving, as applicable, grades and lines of streets, alleys, pavements, and adjoining property; rights-of-way, restrictions, easements, encroachments, zoning, deed restrictions, boundaries, and contours of the site; locations, dimensions, and floor elevations pertaining to existing buildings, other improvements, and trees; and information in University's possession concerning available service and utility lines, both public and private.

4.2.6 University shall furnish geotechnical data when these data are reasonably deemed necessary by Design Professional, including test logs, soil classifications, soil bearing values, and other data necessary to define subsoil conditions.

4.2.7 The University shall have the right to require Design Professional and its subconsultants to participate in meetings and provide documents and data (in addition to those required by Basic Services) and to perform Additional Services, pursuant to this Agreement, whether or not such Additional Services are described in the Agreement or the Supplemental Requirements.

4.2.8 The services, information, surveys, reports, and Additional Services required by this Article 4 shall be furnished at University's expense.

ARTICLE 5 **COMPENSATION**

University will compensate Design Professional for the scope of services provided, in accordance with this Article 5 and with the other terms and conditions of this Agreement, as follows:

5.1 **COMPENSATION FOR BASIC SERVICES**

5.1.1 The fee for Basic Services shall be computed as follows:

For services rendered in accordance with this Agreement, the basis for compensation shall be a lump-sum fee in the amount of \$TBD + \$TBD (reimbursables) = \$TBD, payable upon completion of each Project phase, after the review and approval by University, in accordance with the following schedule:

<u>Phase or Stage Completed</u>	<u>Portions of Total Fees to be Paid at Completion</u>
Schematic Design Phase.....	TBD%
Design Development Phase	Increase to TBD%
Construction Documents Phase	Increase to TBD%
Bidding Phase (Award of Construction Contract)	Increase to TBD% (or a proportional percentage when a portion of the Project is awarded)
Construction Completed	Increase to TBD%
Receipt of Design Professional's Record Documents	Increase to TBD%
Guarantee to Repair Period Services Completed	Increase to 100%

5.2 COMPENSATION FOR ADDITIONAL SERVICES OR FOR EXTENSION OF CONTRACT TIME

5.2.1 For the Additional Services of Design Professional, as described in Article 3, including the Additional Services of consultants, compensation shall be in accordance with the attached Design Professional Rate Schedule in the Exhibits.

5.2.2 If the Contract Time initially established in the Contract Documents at the time of award is exceeded or extended by a number of days in excess of TBD calendar days through the fault of University or Contractor and through no fault of Design Professional, compensation for any Basic Services provided during this extended period of the Construction Phase of the construction contract shall be adjusted to compensate Design Professional for any additional costs reasonably incurred by Design Professional as the result of such delay, provided University has approved such adjustments in advance. These extended Basic Services shall be approved, in writing, by University and shall not include Basic Services that would have been performed under this Agreement had the initial Contract Time not been substantially exceeded or extended.

5.2.3 If the Work of the Project is suspended or abandoned for more than TBD consecutive months, and such suspension was not scheduled at the beginning of the Project, as provided under subparagraph 4.2.4, Design Professional shall be compensated for all authorized services performed prior to the receipt of written notice from University of such suspension or abandonment, together with Reimbursable Expenses then due. If the Project is resumed after being suspended for more than TBD consecutive months, Design Professional's compensation shall be adjusted as mutually agreed to compensate Design Professional for any additional costs reasonably incurred as the result of the suspension.

5.3 REIMBURSABLE EXPENSES

5.3.1 For Reimbursable Expenses, as described in this paragraph 5.3, only actual costs will be reimbursed in accordance with the Reimbursement Schedule in the Exhibits. Paid invoices or other proof of payment shall be submitted when requesting reimbursement.

5.3.2 Reimbursable Expenses are paid in addition to the compensation for Basic and Additional Services and are actual expenditures made by Design Professional and Design Professional's consultants in the interest of the Project.

ARTICLE 6 PAYMENTS

6.1 PAYMENTS FOR BASIC SERVICES

6.1.1 Payments for Basic Services, as defined in Article 2, shall be made as stipulated in subparagraph 5.1.1.

6.2 PAYMENTS FOR ADDITIONAL SERVICES AND REIMBURSABLE EXPENSES

6.2.1 Payments for Design Professional's Additional Services, as defined in Article 3, and for Reimbursable Expenses, as defined in paragraph 5.3, shall be made monthly after presentation of Design Professional's statement of services rendered, or expenses incurred, with invoices, receipts and other justification thereof.

6.2.2 Payments related to paragraph 5.2.2 shall be made monthly after presentation of Design Professional's statement of services rendered, or expenses incurred, with invoices, receipts and other justification thereof unless otherwise agreed by the parties thereto.

6.3 PAYMENT SUBMITTAL

6.3.1 Invoices against this Agreement shall be submitted to:

UCLA Capital Programs Accounting
1060 Veteran Avenue, Suite 330
Los Angeles, CA 90095-1365

ARTICLE 7 DESIGN PROFESSIONAL'S RECORDS AND FILES

7.1 Books and records relating to this Agreement shall be maintained in accordance with Generally Accepted Accounting Principles (GAAP) or International Financial Reporting Standards (IFRS). University or University's authorized representative shall have access to, the right to audit and the right to copy pertinent parts of Design Professional and Design Professional's consultants' books and records. Such records shall include but not be limited to accounting records (hard copy, as well as computer readable

data); contracts; payroll records; subconsultant agreements; vendor agreements; purchase orders; leases; original estimates; estimating work sheets; correspondence; receipts; memoranda; and any other supporting evidence deemed necessary to substantiate charges under this agreement. All such books and records shall be preserved for a period of at least 3 years from the date of Final Payment under this Agreement.

7.2 Design Professional and Design Professional's consultants shall make their files available for inspection and copying by University upon reasonable notice.

7.3 Design Professional shall include appropriate language in consultants' agreements to enforce the provision of paragraph 7.2.

ARTICLE 8 **OWNERSHIP AND USE OF DOCUMENTS**

8.1 **DRAWINGS, SPECIFICATIONS, AND PRESENTATION MATERIALS**

8.1.1 Drawings and Specifications shall become the property of University, whether or not the Project for which they are made is executed. Design Professional shall be permitted to retain copies, including reproducible copies, of the Drawings and Specifications for information and reference except as provided in paragraph 8.2. Neither University nor Design Professional shall use the Drawings and Specifications as a whole or in substantial part on other projects, but either may reuse details of the Drawings for other projects.

8.1.2 All presentation drawings, slides, and models shall become and remain the property of University.

8.1.3 University may purchase the design of the Project from Design Professional for its then fair market value. If University purchases the design of the Project, then University may use the Drawings and Specifications as a whole or in substantial part on other projects, and Design Professional may not use the Drawings and Specifications in whole, in part, or details thereof for other projects.

8.2 **CONSTRUCTION DOCUMENTS**

8.2.1 Design Professional, upon request, shall provide copies of the Construction Documents in the number required by University for bidding and construction purposes; the reproduction expense shall be borne by University. University reserves the right to select the type of document reproduction and to establish where the reproduction will be accomplished.

8.2.2 University may use the Construction Documents, without Design Professional's consent, in connection with the Project, including without limitation, future additions, expansions, renovations, alterations, connections, repairs, information, reference, use, or occupancy.

8.2.3 Except as provided in subparagraphs 8.2.1 and 8.2.2 University will not use the Construction Documents for another project without Design Professional's written consent unless University has purchased the design from Design Professional in accordance with subparagraph 8.1.3.

8.3 **INDEMNIFICATION**

8.3.1 University will defend, indemnify and save harmless Design Professional, its officers, agents and employees from any costs or claims for damages arising from University's use, on other projects, of the Construction Documents, the Drawings and Specifications, or the designs depicted in them. As used in this Article 8, the "use, on other projects" does not include any of the uses specified in subparagraph 8.2.2.

8.3.2 Notwithstanding paragraph 8.3.1, University will not defend, indemnify or save harmless Design Professional, its officers, agents, or employees from any costs or claims asserted or imposed by any person or entity claiming that University's use of the Construction Documents, the Drawings and Specifications, or the designs depicted in them is contrary to or in violation of any copyright, patent, trade secret, trade name, trademark, or any proprietary, contractual or legal right pertaining to their use.

ARTICLE 9 **DISPUTES**

9.1 **NEGOTIATION**

9.1.1 The parties will attempt in good faith to resolve any controversy or Claim arising out of or relating to this Agreement by negotiation.

9.2 **MEDIATION**

9.2.1 Within 60 days, but no earlier than 30 days, following the earlier of (1) receipt of notice by the other party from the American Arbitration Association (AAA) of the disputing party's demand for arbitration or (2) receipt by the other party of the disputing party's notice of election to litigate, the parties shall submit the matter to non-binding mediation administered by the AAA under its construction industry mediation rules, unless waived by mutual stipulation of both parties.

9.3 ARBITRATION OR LITIGATION

Disputes arising from this Agreement between Design Professional and University which cannot be settled through negotiation or mediation shall be subject to arbitration or litigation as follows:

9.3.1 Arbitration with Contractor. If any claim arises under the Construction Contract Documents for the Project and is submitted to arbitration, and either Contractor or University claims that the acts or omissions of Design Professional are involved, in whole or in part, any claim by University against Design Professional arising out of or in connection therewith may be asserted, at the option of University, against Design Professional in the same arbitration proceeding which shall be conducted under the procedures specified in the General Conditions of the construction contract.

9.3.2 Litigation with Contractor. If any claim arises under the Construction Contract Documents for the Project and is submitted to litigation, and either Contractor or University claims that the acts or omissions of Design Professional are involved, in whole or in part, any claim by University against Design Professional arising out of or in connection therewith may be asserted, at the option of University, against Design Professional in the same litigation.

9.3.3 Arbitration without Contractor. Disputes arising from this Agreement between Design Professional and University which cannot be settled through negotiation or mediation, and which are not resolved by arbitration or litigation pursuant to subparagraphs 9.3.1 and 9.3.2 shall be subject to arbitration without Contractor conducted in accordance with the Construction Industry Arbitration Rules of the AAA then in effect. The following additional modifications shall be made to the aforesaid Rules of the AAA:

- .1 Civil discovery shall be permitted for the production of documents and taking of depositions. Other discovery may be permitted in the discretion of the arbitrator. All disputes regarding discovery shall be decided by the arbitrator.
- .2 University's Representative and/or University's consultants, shall if required by agreement with University, upon demand by University, join in and be bound by the arbitration.
- .3 Concurrent disputes subject to this subparagraph 9.3.3 shall be consolidated into a single arbitration unless the parties otherwise agree in writing.
- .4 No hearing shall be held prior to final completion of the Project unless University and Design Professional otherwise agree in writing.
- .5 The exclusive forum for determining arbitrability shall be the Superior Court of the State of California.
- .6 If total claims are less than \$50,000, AAA expedited procedures as modified by this Article 9 shall apply. If total claims are between \$50,000 and \$100,000 they shall be heard by a single arbitrator who shall be an attorney. If total claims are in excess of \$100,000 and are submitted to arbitration, the controversy shall be heard by a panel of 3 arbitrators, one of which shall be an attorney.
- .7 The AAA shall submit simultaneously to each party to the dispute an identical list of at least 10 names of persons chosen from the National Panel of Commercial Arbitrators, and each party to the dispute shall have 10 days from the date of receipt in which to cross off any names objected to, number the remaining names in order of preference and return the list to AAA. If the expedited procedures of the AAA are applicable, the AAA shall submit simultaneously to each party an identical list of 5 proposed arbitrators drawn from the National Panel of Commercial Arbitrators, and each party may strike 3 names from the list on a peremptory basis and return the list to AAA within 10 days from the date of receipt.

9.3.4 Unless University and Design Professional otherwise agree in writing, the arbitration decision shall be made under and in accordance with the laws of the State of California, supported by substantial evidence. If the total of all claims or cross claims submitted to arbitration is in excess of \$50,000, the award shall contain the basis for the decision, findings of fact, and conclusions of law.

9.3.5 Any arbitration award shall be subject to confirmation, verification or correction under the procedures and on the grounds specified in the California Code of Civil Procedure including without limitation Section 1296.

9.3.6 The expenses and fees of the arbitrators and the administrative fees of the AAA shall be divided among the parties equally. Each party shall pay its own counsel fees, witness fees, and other expenses incurred for its own benefit.

9.3.7 The University may offset against the outstanding contract balance the amount of the University's own affirmative claims against the Design Professional provided such claims are based upon alleged breaches of this Agreement or alleged failure to conform to the professional standard care set forth in Article 1.2 of this Agreement. The University shall inform the Design Professional in writing of its intention to offset on or before exercising its right to offset under this Agreement. Within three days following receipt of such written notice, the Design Professional may elect to submit the issue of the University's intention to offset to non-binding mediation administered by the AAA. Such mediation shall take place not less than 15 days and not more than 45 days following the date that the University receives notice of Design Professional's election to mediate regarding the University's intention to offset. The University's obligation to pay any outstanding contract balance shall be stayed and tolled until the first business day following the date of the mediation concerning the University's intention to offset. If the University decides to exercise its right to offset following mediation regarding the University's intention to offset, notice of such offset shall be given to Design Professional by University in writing. If Design Professional does not demand mediation concerning the University's intention to offset, then the University's notice of its intention to offset shall be deemed notice of the decision to offset by the University. Irrespective of whether Design Professional elects to mediate the issue of the University's intention to offset, Design Professional may dispute the University's decision to offset by demanding arbitration or commencing litigation pursuant to the terms of Article 9.

9.4 PERSONAL INJURY, WRONGFUL DEATH OR PROPERTY DAMAGE

9.4.1 Claims for personal injury, wrongful death, or property damage (other than property damage to University) shall not be subject to arbitration under Paragraph 9.3.3.

ARTICLE 10 INDEMNIFICATION AND INSURANCE

10.1 INDEMNIFICATION

10.1.1 Design Professional shall indemnify, defend, and hold harmless University, and its regents, officers, employees, agents, and representatives (collectively, "Indemnitee") against all liability, demands, claims, costs, damages, injury including death, settlements, and expenses (including without limitation, interest and penalties) incurred by Indemnitee ("Losses") arising out of the performance of services or Design Professional's other obligations under this Agreement, but only in proportion to and to the extent such Losses are caused by or result from (1) the negligent acts or omissions of Design Professional, its officers, agents, employees, subcontractors, consultants or any person or entity for whom Design Professional is responsible (collectively, "Indemnitor"); (2) the breach by Indemnitor of any of the provisions of this Agreement; or (3) willful misconduct by Indemnitor.

10.1.2 The indemnification obligations under this Article 10, shall not be limited by any assertion or finding that (1) the person or entity indemnified is liable by reason of non-delegable duty, or (2) the Losses were caused in part by the negligence of, breach of contract by, or violation of law by Indemnitee. The obligation to defend shall arise regardless of any claim or assertion that Indemnitee caused or contributed to the Losses. Indemnitor's reasonable defense costs (including attorney and expert fees) incurred in providing a defense for Indemnitees shall be reimbursed by University except to the extent such defense costs arise, under principles of comparative fault, from Indemnitor's (a) negligent acts or omissions; (b) breach of any of the provisions of this Agreement; or (c) willful misconduct.

10.1.3 Design Professional shall indemnify, defend, and save harmless Indemnitee from and against all loss, cost, expense, royalties, claims for damages or liability, in law or in equity, including, without limitation, attorneys' fees, court costs and other litigation expenses that may at any time arise or be set up for any infringement (or alleged infringement) of any patent, copyright, trade secret, trade name, trademark or any other proprietary right of any person or entity in consequence of the use on the Project by Indemnitee of the design or construction documents (including any method, process, product, concept specified or depicted) supplied by Indemnitor in the performance of this Agreement.

10.1.4 Nothing in this Agreement, including the provisions of this Article 10 shall constitute a waiver or limitation of any rights which Indemnitee may have under applicable law, including without limitation, the right to implied indemnity.

10.2 INSURANCE REQUIREMENTS

Design Professional, at Design Professional's sole cost and expense, shall insure its activities in connection with this Agreement and shall obtain, keep in force, and maintain insurance as listed below. The coverages required under Paragraph 10.2 shall not in any way limit the liability of Design Professional.

10.2.1 Commercial-Form General Liability Insurance with coverage and minimum limits as follows:

.1	Each Occurrence	\$TBD
.2	Products Completed, Operations Aggregate	\$TBD
.3	Personal and Advertising Injury	\$TBD
.4	General Aggregate	\$TBD

10.2.2 Business Automobile Liability Insurance for owned, scheduled, non-owned, or hired automobiles, with a combined single limit of no less than \$TBD per accident.

10.2.3 Professional Liability Insurance, with limits of \$TBD per claim and \$TBD in the aggregate. At the option of University and in its sole discretion, University may require Design Professional to purchase project specific professional liability insurance for the Project as a reimbursable cost with the minimum limits.

10.2.4 If the above insurance (subparagraphs 10.2.1-10.2.3) is written on a claims-made basis, it shall be maintained continuously for a period of no less than 3 years after the date of Final Completion. The insurance shall have a retroactive date of placement prior to or coinciding with the date services are first provided that are governed by the terms of this Agreement and shall include, without limitation coverage for professional services as called for in this Agreement. Insurance required by subparagraphs 10.2.1-10.2.3 shall be (i) issued by companies that have a Best rating of A- or better, and a financial classification of VIII or better (or an equivalent rating by Standard & Poor or Moody's) or (ii) guaranteed, under terms consented to by the University (such consent to not be unreasonably withheld), by companies with a Best rating of A- or better, and a financial classification of VIII or better (or an equivalent rating by Standard & Poor or Moody's).

10.2.5 Workers' Compensation as required by law in the state in which work is performed and Employer's Liability insurance with coverage and minimum limits as follows:

Each Employee	\$1,000,000.00
Each Accident	\$1,000,000.00
Policy Limit	\$1,000,000.00

Insurance required by this subparagraph 10.2.5 shall be issued by companies (i) that have a Best rating of B+ or better, and a financial classification of VIII or better (or an equivalent rating by Standard & Poor or Moody's); or (ii) that are acceptable to the University.

10.2.6 Design Professional, upon the execution of this Agreement, shall furnish University with Certificate of Insurance evidencing compliance with this Article 10, including the following requirements:

- .1 Design Professional shall have the insurance company complete University's form, Certificate of Insurance in the Exhibits. If Design Professional's insurance company refuses to use the University's Certificate of Insurance form, it must provide a Certificate of Insurance (and endorsements, if needed) evidencing compliance with Paragraph 10.2 and Special Provisions 1 through 3 on the Certificate of Insurance Exhibit. It alone constitutes evidence of insurance
- .2 Provide that coverage cannot be canceled without advance written notice to University, in accordance with policy provisions.
- .3 If insurance policies are canceled for non-payment, University reserves the right to maintain policies in effect by continuing to make the policy payments and assessing the cost of so maintaining the policies against Design Professional.
- .4 University, University's officers, agents, employees, consultants, University's Representative, and University's Representative's consultants, regardless of whether or not identified in the Contract Documents or to Design Professional in writing, will be included as additional insureds on Design Professional's general liability policy for and relating to the Work to be performed by Design Professional and its consultants. Design Professional's general liability insurance policy shall name University as an additional insured pursuant to additional insured endorsement CG2010 (11/85) or a combination of both CG 2010 (10/01 or 07/04) and CG 2037 (10/01 or 07/04). The General Liability coverage shall contain a Severability of Interest provision and shall be primary insurance as respects The Regents of the University of California, its officers, agents and employees. Any insurance or self-insurance maintained by The Regents of the University of California shall be excess of and non-contributory with this insurance. This requirement shall not apply to Worker's Compensation and Employer's Liability Insurance. The Professional Liability insurance policy shall include Contractual Liability Coverage or endorsements to the insurance policies for Contractual Liability Coverage for liability that would exist in the absence of the contract.
- .5 The General Liability and the Professional Liability insurance policies shall apply to the negligent acts, or omissions of Design Professional, its officers, agents, employees, and for Design Professional's legal responsibility for the negligent acts or omissions of its consultants and anyone directly or indirectly under the control, supervision, or employ of Design Professional or Design Professional's consultants.

ARTICLE 11 **STATUTORY AND OTHER REQUIREMENTS**

11.1 **NONDISCRIMINATION**

11.1.1 In connection with the performance of the Design Professional pursuant to this Agreement, Design Professional shall provide equal treatment to, and shall not willfully discriminate against or allow harassment of any employee or applicant for employment on the basis of: race; color; religion; sex; age; ancestry; national origin; sexual orientation; physical or mental disability; veteran's status; medical condition (as defined in Section 12926 of the State of California Government Code and including cancer-related medical conditions and or genetic characteristics); genetic information (as defined in the Genetic Information Nondiscrimination Act of 2008 and including family medical history); marital status; gender identity, pregnancy, or citizenship (within the limits imposed by law or University's policy) or service in the uniformed services (as defined by the Uniformed Services Employment and Reemployment Rights Act of 1994). Design Professional will also take affirmative action to ensure that any such employee or applicant for employment is not discriminated against on any of the bases identified above. Such equal treatment shall apply, but not be limited to the following: employment; upgrade; demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Design Professional also agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause. The Design Professional will, in all solicitations or advertisements for employees placed by or on behalf of the Design Professional, state that qualified applicants will receive consideration for employment without regard to: race; color; religion; sex; age; ancestry; national origin; sexual orientation; physical or mental disability; veteran's status; medical condition (as defined in Section 12926 of the State of California Government Code and including cancer-related medical conditions and or genetic characteristics); genetic information (as defined in the Genetic Information Nondiscrimination Act of 2008 and including family medical history); marital status; gender identity, pregnancy, or citizenship (within the limits imposed by law or University's policy) or service in the uniformed services (as defined by the Uniformed Services Employment and Reemployment Rights Act of 1994). For purposes of this provision: (1) "Pregnancy" includes pregnancy, childbirth, and medical conditions related to pregnancy and childbirth; and (2) "Service in the uniformed services" includes membership, application for membership, performance of service, application for service, or obligation for service in the uniformed services.

11.2 **PREVAILING WAGE RATES**

11.2.1 For purposes of the Article, the term subcontractor or consultant shall not include suppliers, manufacturers, or distributors.

11.2.2 Design Professional shall comply and shall ensure that all Subcontractors or Subconsultants comply with prevailing wage law pursuant to the State of California Labor Code, including but not limited to Sections 1770, 1771, 1771.1, 1772, 1773, 1773.1, 1774, and 1775, 1776, 1777.5, and 1777.6 of the State of California Labor Code. Compliance with these sections is required by this Contract. The Work under this Contract is subject to compliance monitoring and enforcement by the State of California Department

of Industrial Relations. References to "Covered Services" hereinafter shall mean services performed pursuant to this Agreement that are covered by the aforementioned provisions as implemented by the State of California Department of Industrial Relations.

11.2.3 The State of California Department of Industrial Relations has ascertained the general prevailing per diem wage rates in the locality in which the Project is to be performed for each craft, classification, or type of worker required to perform the Covered Services hereunder. A schedule of the general prevailing per diem wage rates will be on file at University's principal facility office and will be made available to any interested party upon request. By this reference, such schedule is made part of the Agreement. Design Professional shall pay not less than the prevailing wage rates, as specified in the schedule and any amendments thereto, to all workers employed by Design Professional in the execution of the Covered Services hereunder. Design Professional shall cause all subcontracts or consultant agreements to include the provision that all subcontractors or consultants shall pay not less than the prevailing rates to all workers employed by such subcontractor or consultants in the execution of the Covered Services hereunder. Design Professional shall forfeit to University, as a penalty, not more than \$200 for each calendar day or portion thereof for each worker that is paid less than the prevailing rates as determined by the Director of Industrial Relations for the work or craft in which the worker is employed for any portion of the Covered Services hereunder performed by Design Professional or any subcontractor or consultant. The amount of this penalty shall be determined by the Labor Commissioner pursuant to applicable law. Such forfeiture amounts may be deducted from the Design Professional's fee. Design Professional shall also pay to any worker who was paid less than the prevailing wage rate for the work or craft for which the worker was employed for any portion of the Covered Services hereunder, for each day, or portion thereof, for which the worker was paid less than the specified prevailing per diem wage rate, an amount equal to the difference between the specified prevailing per diem wage rate and the amount which was paid to the worker.

11.3 PAYROLL RECORDS

11.3.1 Design Professional and all subcontractors or consultants shall keep an accurate payroll record, showing the name, address, social security number, job classification, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyworker, apprentice, or other employee employed in connection with the Covered Services hereunder. All payroll records shall be certified as being true and correct by Design Professional or subcontractors or consultants keeping such records; and the payroll records shall be available for inspection at all reasonable hours at the principal office of Design Professional on the following basis:

- .1 A certified copy of an employee's payroll records shall be made available for inspection or furnished to such employee or the employee's authorized representative on request.
- .2 A certified copy of all payroll record shall be made available for inspection upon request to University, the State of California Division of Labor Standards Enforcement, and the Division of Apprenticeship Standards of the State of California Division of Industrial Relations.
- .3 A certified copy of all payroll records shall be made available upon request by the public for inspection or copies thereof made; provided, however, that the request by the public shall be made to either University, the Division of Apprenticeship Standards, or the Division of Labor Standards Enforcement. The public shall not be given access to such records at the principal offices of Design Professional or subcontractors or consultants. Any copy of the records made available for inspection as copies and furnished upon request to the public or any public agency by University shall be marked or obliterated in such a manner as to prevent disclosure of an individual's name, address, and social security number. The name and address of Design Professional awarded the Agreement or performing the Agreement shall not be marked or obliterated.

11.3.2 Design Professional shall file a certified copy of the payroll records with the entity that requested the records within 10 days after receipt of a written request. Design Professional shall inform University of the location of such payroll records for the Project, including the street address, city, and county; and Design Professional shall, within 5 working days, provide notice of change of location of such records. In the event of noncompliance with the requirements of the Paragraph or with the State of California Labor Code Section 1776, Design Professional shall have 10 days in which to comply following receipt of notice specifying in what respects Design Professional must comply. Should noncompliance still be evident after the 10 day period, Design Professional shall forfeit to University, as a penalty, \$100 for each day, or portion thereof, for each worker, until strict compliance is accomplished. Such forfeiture amounts may be deducted from the Design Professional's fee.

11.4 APPRENTICES

11.4.1 Only apprentices, as defined in the State of California Labor Code Section 3077, who are in training under apprenticeship standards and written apprentice agreements under Chapter 4, Division 3, of the State of California Labor Code, are eligible to be employed by Design Professional and subcontractors or consultants as apprentices for the Covered Services hereunder. The employment and training of each apprentice shall be in accordance with the provisions of the apprenticeship standards and written apprentice agreements under which the apprentice is training and in accordance with prevailing wage law pursuant to the Labor Code, including but not limited to Section 1777.5. The Design Professional bears responsibility for compliance with this section for all apprenticeable occupations.

11.4.2 Every apprentice shall be paid the standard wage to apprentices, under the regulations of the craft or trade at which the apprentice is employed, and shall be employed only for the Covered Services hereunder in the craft or trade to which the apprentice is indentured.

11.4.3 When Design Professional or subcontractors or consultants employ workers in any apprenticeship craft or trade for the Covered Services hereunder, Design Professional or subcontractors or consultants shall apply to the joint apprenticeship committee, which administers the apprenticeship standards of the craft or trade in the area of the Project site, for a certificate approving Design Professional or subcontractors or consultants under the apprenticeship standards for the employment and training of apprentices in the area of the Project site. The committee will issue a certificate fixing the number of apprentices or the ratio of

apprentices to journeyworkers who shall be employed in the craft or trade on the Covered Services hereunder. The ratio will not exceed that stipulated in the apprenticeship standards under which the joint apprenticeship committee operates; but in no case shall the ratio be less than 1 hour of apprentice work for each 5 hours of journeyperson work, except as permitted by law. Design Professional or subcontractors or consultants shall, upon the issuance of the approval certificate in each such craft or trade, employ the number of apprentices or the ratio of apprentices to journeyworkers fixed in the certificate issued by the joint apprenticeship committee or present an exemption certificate issued by the Division of Apprenticeship Standards.

11.4.4 "Apprenticeship craft or trade", as used in this Paragraph, shall mean a craft or trade determined as an apprenticeship occupation in accordance with rules and regulations prescribed by the Apprenticeship Council.

11.4.5 If Design Professional or subcontractors or consultants employ journeyworkers or apprentices in any apprenticeship craft or trade in the area of the Project site, and there exists a fund for assisting to allay the cost of the apprenticeship program in the trade or craft, to which fund or funds other contractors in the area of the Project site are contributing, Design Professional and subcontractors or consultants shall contribute to the fund or funds in each craft or trade in which they employ journeyworkers or apprentices on the Covered Services hereunder in the same amount or upon the same basis and in the same manner done by the other contractors. Design Professional may include the amount of such contributions in computing its compensation under the Agreement; but if Design Professional fails to do so, it shall not be entitled to any additional compensation therefore from University.

11.4.6 In the event Design Professional willfully fails to comply with this Paragraph 11.4, it will be considered in violation of the requirements of the Agreement.

11.4.7 Nothing contained herein shall be considered or interpreted as prohibiting or preventing the hiring by Design Professional or subcontractors or consultants of journeyworker trainees who may receive on-the-job training to enable them to achieve journeyworker status in any craft or trade under standards other than those set forth for apprentices.

11.5 WORK DAY

11.5.1 Design Professional shall not permit any worker providing Covered Services to labor more than 8 hours during any 1 day or more than 40 hours during any 1 calendar week, except as permitted by law and in such cases only upon such conditions as are provided by law. Design Professional shall forfeit to University, as a penalty, \$25 for each worker employed in the execution of the Agreement by Design Professional, or any subcontractors or consultant, for each day during which such worker is required or permitted to work providing Covered Services more than 8 hours in any 1 day and 40 hours in any 1 calendar week in violation of the terms of this Paragraph or in violation of the provisions of any law of the State of California. Such forfeiture amounts may be deducted from the compensation otherwise due under this Agreement. Design Professional and each subcontractor or consultant shall keep, or cause to be kept, an accurate record showing the actual hours worked each day and each calendar week by each worker employed under this Agreement, which record shall be kept open at all reasonable hours to the inspection of University, its officers and agents, and to the inspection of the appropriate enforcement agency of the State of California.

11.5 PATIENT HEALTH INFORMATION

11.5.1 Design Professional acknowledges that its employees, agents, subcontractors, consultants and others acting on its behalf may come into contact with Patient Health Information ("PHI") while performing work at the Project Site. This contact is most likely rare and brief (e.g. walking through a clinic where patient files may be visible, overhearing conversations between physicians while working or touring a hospital, noticing a relative or acquaintance receiving treatment in a University facility, etc.). Design Professional shall immediately notify University's Representative of any such contact. Any and all forms of PHI should not be examined closer, copied, photographed, recorded in any manner, distributed or shared. Design Professional will adopt procedures to ensure that its employees, agents and subcontractors refrain from such activity. If Design Professional, its employees, agents or subcontractors do further examine, copy, photograph, record in any manner, distribute or share this information, Design Professional will report such actions immediately to University's Representative. Design Professional will immediately take all steps necessary to stop any such actions and will ensure that no further violations of this contractual responsibility will occur. Design Professional will report to University's Representative within five (5) days after Design Professional gives University's Representative notice of the event/action of the steps taken to prevent future occurrences.

ARTICLE 12 EXTENT OF AGREEMENT

12.1 AUTHORITY OF AGREEMENT

12.1.1 This Agreement represents the entire and integrated agreement between University and Design Professional and supersedes all prior negotiations, representations, or agreements, either written or oral. This Agreement may be amended only by a written instrument in the form of the Amendment in the Exhibits signed by both University and Design Professional.

12.2 EXHIBITS

12.2.1 The following exhibits are incorporated and made part of this Agreement:

- Exhibit A: General Conditions of University's Bidding Documents; Specifications, Division 1, General Requirements
- Exhibit B: Design Professional Rate Schedule for Additional Services
- Exhibit C: Supplemental Requirements
- Exhibit D: Format for Listing Rooms and Spaces
- Exhibit E: Reimbursement Schedule

Exhibit F:	Cost Estimate Format
Exhibit G:	Project Program
Exhibit H:	University of California Certificate of Insurance
Exhibit I:	Amendment
Exhibit J:	Not Used
Exhibit K:	Self-Certification
Exhibit L:	Final Distribution of Contract Dollars

12.3 THIRD-PARTY BENEFICIARIES

Nothing contained in this Agreement is intended to make the construction Contractor or any construction Subcontractor (regardless of tier), any employee or agent of the construction Contractor or any Subcontractor or any person, including any consultant of Design Professional (regardless of tier), a third-party beneficiary of any obligations between University and Design Professional.

12.4 SURVIVAL

The provisions of this Agreement which by their nature survive expiration or termination of the Agreement or Final Completion of the Project or the performance of services under this Agreement, including any and all warranties, indemnities, payment obligations, and University's right to audit Design Professional's and Design Professional's consultants' books and records, shall remain in full force and effect after any expiration or termination of the Agreement or Final Completion of the Project or the performance of services under this Agreement.

ARTICLE 13 FEDERAL AND STATE GRANTS

In the event that a federal or state grant or other federal or state financing is used in the funding of this Project, Design Professional shall permit the funding agency or its designee access to, and grant the funding agency the right to examine documents covering the services performed under this Agreement. Design Professional shall comply with applicable federal or state agency requirements including, but not limited to, the requirements regarding hours, overtime compensation, nondiscrimination, and contingent fees.

ARTICLE 14 NOTICES

14.1 UNIVERSITY

14.1.1 Any notice may be served upon University by delivering it, in writing, to University at the address set forth on the last page of this Agreement, or by depositing it in a United States Postal Service deposit box with the postage fully prepaid and with the notice addressed to University at the address set forth on the last page of this Agreement, or by sending a facsimile of the notice to University's facsimile number set forth on the last page of this Agreement. Notice is effective only if and when it is actually received.

14.2 DESIGN PROFESSIONAL

14.2.1 Any notice may be served upon Design Professional by delivering it, in writing, to Design Professional at the address set forth on the last page of this Agreement, by depositing it in a United States Postal Service deposit box with the postage fully prepaid and with the notice addressed to Design Professional at the address set forth on the last page of this Agreement, or by sending a facsimile of the notice to Design Professional's facsimile number set forth on the last page of this Agreement. Notice is effective only if and when it is actually received.

ARTICLE 15 SUCCESSORS AND ASSIGNS

This Agreement shall be binding upon University and Design Professional and their respective successors and assigns. Neither the performance of this Agreement nor any part thereof, nor any monies due or to become due hereunder, may be assigned by Design Professional without the prior written consent and approval of University.

15.1 DESIGN PROFESSIONAL'S DEATH OR INCAPACITATION

15.1.1 If Design Professional transacts business as an individual, upon Design Professional's death or incapacitation, University may, at its option, terminate this Agreement as of the date of such event. If so terminated, neither Design Professional nor Design Professional's estate shall have any further right to perform hereunder, and University shall pay Design Professional or the estate the compensation payable under Article 5 for any services rendered prior to this termination not theretofore paid. This compensation shall be reduced by the amount of additional costs that will be incurred by University by reason of this termination.

15.1.2 If there is more than one Design Professional, and any one of them dies or becomes incapacitated, and the others continue to render the services covered herein, University will make payments to those continuing as though there had been no such death or incapacitation; University will not be obliged to take any account of the person who died or became incapacitated, or to make any payment to this person or this person's estate. These provisions shall apply in the event of progressive or simultaneous occasions of death or incapacitation among any group of persons named as Design Professional herein if death or incapacitation befalls the last member of this group before the services under this Agreement are fully performed, then the rights set forth under subparagraph 15.1.1 shall apply.

ARTICLE 16 TERMINATION OF AGREEMENT

16.1 UNIVERSITY-INITIATED TERMINATION

16.1.1 If University determines that Design Professional has failed to perform in accordance with the terms and conditions of this Agreement, University may terminate all or part of the Agreement for cause. This termination shall be effective if Design Professional does not cure its failure to perform within 10 days (or more, if authorized in writing by University) after receipt of a notice of intention to terminate from University specifying the failure in performance. If a termination for cause does occur, University will have the right to withhold monies otherwise payable to Design Professional until the Project is completed. If University incurs additional costs, expenses, or other damages due to the failure of Design Professional to properly perform pursuant to the Agreement, these costs, expenses, or other damages shall be deducted from the amounts withheld. Should the amounts withheld exceed the amounts deducted, the balance will be paid to Design Professional upon completion of the Project. If the costs, expenses, or other damages incurred by University exceed the amounts withheld, Design Professional shall be liable to University for the difference.

16.1.2 University may terminate this Agreement for convenience at any time upon written notice to Design Professional, in which case University will pay Design Professional in full for all services performed and all expenses incurred under this Agreement up to and including the effective date of termination. In ascertaining the services actually rendered to the date of termination, consideration will be given to both completed Work and Work in progress, whether delivered to University or in the possession of Design Professional, and to authorized Reimbursable Expenses. No other compensation will be payable for anticipated profit on unperformed services.

16.2 DESIGN PROFESSIONAL-INITIATED TERMINATION

16.2.1 Design Professional may terminate this Agreement for cause if University fails to cure a material default in performance within a period of 30 days, or such longer period as Design Professional may allow, after receipt from Design Professional of a written termination notice specifying the default in performance. In the event of termination for cause by Design Professional, University will pay Design Professional in accordance with subparagraph 16.1.2.

16.3 DOCUMENTS AND MATERIALS

16.3.1 In the event of Agreement termination by either party for any reason, University reserves the right to receive, and Design Professional shall promptly provide to University, all Drawings, Specifications, models, and other documents, data, and materials prepared or generated by Design Professional and its subconsultants for the Project. In the event of termination, any dispute regarding the amount to be paid under Article 16 shall not derogate from the right of University to receive and use any such documents or materials.

ARTICLE 17 STATISTICAL REPORTING

17.1.1 At the commencement of performance, Design Professional shall complete and submit, and require each subconsultant who performs services under this Agreement to complete and submit, a certification in the form of the Self-Certification in the Exhibits. At the completion of work, Design Professional shall complete and submit a report of the distribution of compensation received under this Agreement in the form of the Final Distribution of Contract Dollars in the Exhibits.

IN WITNESS WHEREOF, UNIVERSITY and DESIGN PROFESSIONAL have executed this Agreement as of the date first written above (see Cover Page).

DESIGN PROFESSIONAL FIRM NAME: {TBD}

(Printed Name & Title)

By:

(Signature)

(Date)

DESIGN PROFESSIONAL ADDRESS:

TBD
TBD

DESIGN PROFESSIONAL PHONE NUMBER:

TBD

DESIGN PROFESSIONAL FACSIMILE NUMBER:

TBD

DESIGN PROFESSIONAL EMPLOYER I.D.
NUMBER:

UNIVERSITY:

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

TBD

(Printed Name & Title)

By:

(Signature)

(Date)

UNIVERSITY ADDRESS:

University of California, Los Angeles
1060 Veteran Avenue
Los Angeles, CA 90095-1395

UNIVERSITY FACSIMILE NUMBER:

TBD

UNIVERSITY PROJECT MANAGER:

TBD

EXHIBIT A
TO THE
EXECUTIVE DESIGN PROFESSIONAL AGREEMENT
GENERAL CONDITIONS OF UNIVERSITY'S BIDDING DOCUMENTS,
SPECIFICATIONS, DIVISION 1, GENERAL REQUIREMENTS

(attached)

GENERAL CONDITIONS

UNIVERSITY OF CALIFORNIA
LOS ANGELES CAMPUS
LOS ANGELES, CALIFORNIA

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ARTICLE 1
GENERAL PROVISION

1.1 BASIC DEFINITIONS

- 1.1.1 **APPLICABLE CODE REQUIREMENTS** - The term "Applicable Code Requirements" means all laws, statutes, the most recent building codes, ordinances, rules, regulations, and lawful orders of all public authorities having jurisdiction over University, Contractor, any Subcontractor, the Project, the Project site, the Work, or the prosecution of the Work including without limitation the requirements set forth in Article 3.7.
- 1.1.2 **APPLICATION FOR PAYMENT** - The term "Application for Payment" means the submittal from Contractor wherein payment for certain portions of the completed Work is requested in accordance with Article 9.
- 1.1.3 **BENEFICIAL OCCUPANCY** - The term "Beneficial Occupancy" means University's occupancy or use of any part of the Work in accordance with Article 9.
- 1.1.4 **CERTIFICATE FOR PAYMENT** - The term "Certificate for Payment" means the form signed by University's Representative attesting to Contractor's right to receive payment for certain completed portions of the Work in accordance with Article 9.
- 1.1.5 **CHANGE ORDER** - See Article 7.2 of the General Conditions.
- 1.1.6 **CLAIM** - See Article 4.3 of the General Conditions.
- 1.1.7 **COMPENSABLE DELAY** - The term "Compensable Delay" means a delay that entitles Contractor to an adjustment of the Contract Sum and an adjustment of the Contract Time pursuant to Articles 7 and 8 of the General Conditions.
- 1.1.8 **CONTRACT** - The term "Contract" shall have the meaning identified in Article 2 of the Agreement.
- 1.1.9 **CONTRACT DOCUMENTS** - The term "Contract Documents" means all documents listed in Article 2 of the Agreement, as modified by Change Order, including but not limited to the Drawings and Specifications.
- 1.1.10 **CONTRACT MILESTONE** - The term "Contract Milestone" means any requirement in the Contract Documents that reflects a planned point in time for the start or completion of a portion of the Work measured from i) the date of the Notice to Proceed or ii) the date of another Contract Milestone defined in the Contract Documents, as applicable.
- 1.1.11 **CONTRACT SCHEDULE** - The term "Contract Schedule" means the graphical representation of a practical plan, in accordance with the Specifications, to perform and complete the Work within the Contract Time in accordance with Article 3.
- 1.1.12 **CONTRACT SUM** - The term "Contract Sum" means the amount of compensation stated in the Agreement for the performance of the Work, as adjusted by Change Order.
- 1.1.13 **CONTRACT TIME** - The term "Contract Time" means the number of days set forth in the Agreement, as adjusted by Change Order, within which Contractor must achieve Final Completion.
- 1.1.14 **CONTRACTOR** - The term "Contractor" means the person or firm identified as such in the Agreement and is referred to throughout the Contract Documents as if singular in number.
- 1.1.15 **CONTRACTOR FEE** - See Article 7.3 of the General Conditions.
- 1.1.16 **COST OF EXTRA WORK** - See Article 7.3 of the General Conditions.
- 1.1.17 **DAY** - The term "day," as used in the Contract Documents, shall mean calendar day, unless otherwise specifically provided.
- 1.1.18 **DEFECTIVE WORK** - The term "Defective Work" means work that is unsatisfactory, faulty, omitted, incomplete, deficient, or does not conform to the requirements of the Contract Documents, directives of University's Representative, or the requirements of any inspection, reference standard, test, or approval specified in the Contract Documents.
- 1.1.19 **DRAWINGS** - The term "Drawings" means the graphic and pictorial portions of the Contract Documents showing the design, location, and dimensions of the Work, generally including plans, elevations, sections, details, schedules, and diagrams. The Drawings are listed in the List of Drawings.
- 1.1.20 **EXCUSABLE DELAY** - The term "Excusable Delay" means a delay that entitles Contractor to an adjustment of the Contract Time but not an adjustment of the Contract Sum, pursuant to Articles 7 and 8 of the General Conditions.
- 1.1.21 **EXTRA WORK** - The term "Extra Work" means Work beyond or in addition to the Work required by the Contract Documents.
- 1.1.22 **FIELD ORDER** - See Article 7.2 of the General Conditions.
- 1.1.23 **FINAL COMPLETION** - The term "Final Completion" means the date at which the Work has been fully completed in accordance with the requirements of the Contract Documents pursuant to Article 9.8.1 of the General Conditions.
- 1.1.24 **GUARANTEE TO REPAIR PERIOD** - See Article 12.2 of the General Conditions.
- 1.1.25 **HAZARDOUS MATERIAL** - The term "Hazardous Material" means any substance or material identified as hazardous under any California or federal statute governing handling, disposal and/or cleanup of any such substance or material.
- 1.1.26 **PROJECT** - The term "Project" means the Work of the Contract and all other work, labor, equipment, and materials necessary to accomplish the Project. The Project may include construction by University or by Separate Contractors.

- 1.1.27 PROJECT SITE - The term "Project Site" or "Project site" or "Site" or "site" means lands and facilities upon which the Work pertaining to physical construction operations is performed, including such access and other lands and facilities designated in the Contract Documents for use by Contractor.
- 1.1.28 SEPARATE CONTRACTOR - The term "Separate Contractor" means a person or firm under separate contract with University performing other work related to the Project.
- 1.1.29 SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES - See Article 3.12 of the General Conditions.
- 1.1.30 SPECIFICATIONS - The term "Specifications" means that portion of the Contract Documents consisting of the written requirements for materials, equipment, construction systems, standards and workmanship for the Work, and performance of related services.
- 1.1.31 SUBCONTRACTOR - The term "Subcontractor" means a person or firm that has a contract with Contractor or with a Subcontractor to perform a portion of the Work. Unless otherwise specifically provided, the term Subcontractor includes Subcontractors of all tiers.
- 1.1.32 SUBSTANTIAL COMPLETION - See Article 9.7 of the General Conditions.
- 1.1.33 SUPERINTENDENT - The term "Superintendent" means the person designated by Contractor to represent Contractor at the Project site in accordance with Article 3.
- 1.1.34 TIER - The term "tier" means the contractual level of a Subcontractor or supplier with respect to Contractor. For example, a first-tier Subcontractor is under subcontract with Contractor, a second-tier Subcontractor is under subcontract with a first-tier Subcontractor, and so on.
- 1.1.35 UNEXCUSABLE DELAY - The term "Unexcusable Delay" means a delay that does not entitle Contractor to an adjustment of the Contract Sum and does not entitle Contractor to an adjustment of the Contract Time.
- 1.1.36 UNILATERAL CHANGE ORDER - See Article 7.2 of the General Conditions.
- 1.1.37 UNIVERSITY - The term "University" means The Regents of the University of California.
- 1.1.38 UNIVERSITY'S BUILDING OFFICIAL - The term "University's Building Official," or "Certified Building Official," means the individual University has designated to act in the capacity as the "Building Official" as defined by the California Building Standards Code. University's Building Official will determine whether the Work complies with Applicable Code Requirements and will determine whether and when it is appropriate to issue a Certificate of Occupancy.
- 1.1.39 UNIVERSITY'S REPRESENTATIVE - The term "University's Representative" means the person identified as such in the Agreement.
- 1.1.40 UNIVERSITY'S RESPONSIBLE ADMINISTRATOR - The term "University's Responsible Administrator" means the person, or his or her authorized designee, who is authorized to execute the Agreement, Change Orders, Field Orders, and other applicable Contract Documents on behalf of University.
- 1.1.41 WORK - The term "Work" means all construction, services and other requirements of the Contract Documents as modified by Change Order, whether completed or partially completed, and includes all labor, materials, equipment, tools, and services provided or to be provided by Contractor to fulfill Contractor's obligations. The Work may constitute the whole or a part of the Project.

1.2 OWNERSHIP AND USE OF CONTRACT DOCUMENTS

- 1.2.1 The Contract Documents and all copies thereof furnished to or provided by Contractor are the property of University and are not to be used on other work.

1.3 INTERPRETATION

- 1.3.1 The Contract Documents are complementary and what is required by one shall be as binding as if required by all. In the case of conflict between terms of the Contract Documents, the following order of precedence shall apply:

- .1 The Agreement,
- .2 The Supplementary Conditions,
- .3 The General Conditions,
- .4 The Specifications,
- .5 The Drawings.

- 1.3.2 With respect to the Drawings, figured dimensions shall control over scaled measurements and specific details shall control over typical or standard details.

- 1.3.3 With respect to the Contract Documents, Addenda shall govern over other portions of the Contract Documents to the extent specifically noted; subsequent Addenda shall govern over prior Addenda only to the extent specifically noted.

- 1.3.4 Organization of the Specifications into various subdivisions and the arrangement of the Drawings shall not control Contractor in dividing the Work among Subcontractors or in establishing the extent of work to be performed by any trade.

- 1.3.5 Unless otherwise stated in the Contract Documents, technical words and abbreviations contained in the Contract Documents are used in accordance with commonly understood construction industry meanings; and non-technical words and abbreviations are used in accordance with their commonly understood meanings.

1.3.6 The Contract Documents may omit modifying words such as "all" and "any," and articles such as "the" and "an," but the fact that a modifier or an article is absent from one statement and appears in another is not intended to affect the interpretation of either statement. The use of the word "including," when following any general statement, shall not be construed to limit such statement to specific items or matters set forth immediately following such word or to similar items or matters, whether or not nonlimiting language (such as "without limitation," "but not limited to," or words of similar import) is used with reference thereto, but rather shall be deemed to refer to all other items or matters that could reasonably fall within the broadest possible scope of such general statement.

1.3.7 Whenever the context so requires, the use of the singular number shall be deemed to include the plural and vice versa. Each gender shall be deemed to include any other gender, and each shall include corporation, partnership, trust, or other legal entity whenever the context so requires. The captions and headings of the various subdivisions of the Contract Documents are intended only for reference and convenience and in no way define, limit, or prescribe the scope or intent of the Contract Documents or any subdivision thereof.

ARTICLE 2 **UNIVERSITY**

2.1 INFORMATION AND SERVICES PROVIDED BY UNIVERSITY

2.1.1 If required for performance of the Work, as determined by University's Representative, University will make available a survey describing known physical characteristics, boundaries, easements, and utility locations for the Project site.

2.1.2 University is not subject to any requirement to obtain or pay for local building permits, inspection fees, plan checking fees, or certain utility fees. Except as otherwise provided in the Contract Documents, University will obtain and pay for any utility permits, demolition permits, easements, and government approvals for the use or occupancy of permanent structures required in connection with the Work.

2.1.3 Contractor will be furnished, free of charge, such copies of the Contract Documents as University deems reasonably necessary for execution of the Work.

2.2 ACCESS TO PROJECT SITE

2.2.1 University will provide, no later than the date designated in the Contract Schedule accepted by University's Representative, access to the lands and facilities upon which the Work is to be performed, including such access and other lands and facilities designated in the Contract Documents for use by Contractor.

2.3 UNIVERSITY'S RIGHT TO STOP THE WORK

2.3.1 If Contractor fails to correct Defective Work as required by Article 12.2 or fails to perform the Work in accordance with the Contract Documents, University or University's Representative may direct Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated by Contractor. Contractor shall not be entitled to any adjustment of Contract Time or Contract Sum as a result of any such order. University and University's Representative have no duty or responsibility to Contractor or any other party to exercise the right to stop the Work.

2.4 UNIVERSITY'S RIGHT TO CARRY OUT THE WORK

2.4.1 If Contractor fails to carry out the Work in accordance with the Contract Documents, fails to provide sufficient labor, materials, equipment, tools, and services to maintain the Contract Schedule, or otherwise fails to comply with any material term of the Contract Documents, and, after receipt of written notice from University, fails within 2 days, excluding Saturdays, Sundays and legal holidays, or within such additional time as University may specify, to correct such failure, University may, without prejudice to other remedies University may have, correct such failure at Contractor's expense. In such case, University will be entitled to deduct from payments then or thereafter due Contractor the cost of correcting such failure, including without limitation compensation for the additional services and expenses of University's consultants made necessary thereby. If payments then or thereafter due Contractor are not sufficient to cover such amounts, Contractor shall pay the additional amount to University.

2.5 UNIVERSITY'S RIGHT TO REPLACE UNIVERSITY'S REPRESENTATIVE

2.5.1 University may at any time and from time to time, without prior notice to or approval of Contractor, replace University's Representative with a new University's Representative. Upon receipt of notice from University informing Contractor of such replacement and identifying the new University's representative, Contractor shall recognize such person or firm as University's Representative for all purposes under the Contract Documents.

ARTICLE 3 **CONTRACTOR**

3.1 REVIEW OF CONTRACT DOCUMENTS AND FIELD CONDITIONS BY CONTRACTOR

3.1.1 Contractor and its Subcontractors shall review and compare each of the Contract Documents with the others and with information furnished or made available by University, and shall promptly report in writing to University's Representative any errors, inconsistencies, or omissions in the Contract Documents or inconsistencies with Applicable Code Requirements observed by Contractor or its Subcontractors.

3.1.2 Contractor and its Subcontractors shall take field measurements, verify field conditions, and carefully compare with the Contract Documents such field measurements, conditions, and other information known to Contractor before commencing the Work. Errors, inconsistencies, or omissions discovered at any time shall be promptly reported in writing to University's Representative.

3.1.3 If Contractor and its Subcontractors perform any construction activity involving an error, inconsistency, or omission referred to in Articles 3.1.1 and 3.1.2, without giving the notice required in those Articles and obtaining the written consent of University's Representative, Contractor shall be responsible for the resultant losses, including, without limitation, the costs of correcting Defective Work.

3.2 SUPERVISION AND CONSTRUCTION PROCEDURES

3.2.1 Contractor shall supervise, coordinate, and direct the Work using Contractor's best skill and attention. Contractor shall be solely responsible for and have control over construction means, methods, techniques, sequences, procedures, and the coordination of all portions of the Work.

3.2.2 Contractor shall be responsible to University for acts and omissions of Contractor's agents, employees, and Subcontractors, and their respective agents and employees.

3.2.3 Contractor shall not be relieved of its obligation to perform the Work in accordance with the Contract Documents either by acts or omissions of University or University's Representative in the administration of the Contract, or by tests, inspections, or approvals required or performed by persons or firms other than Contractor.

3.2.4 Contractor shall be responsible for inspection of all portions of the Work, including those portions already performed under this Contract, to determine that such portions conform to the requirements of the Contract and are ready to receive subsequent Work.

3.2.5 Contractor shall at all times maintain good discipline and order among its employees and Subcontractors. Contractor shall provide competent, fully qualified personnel to perform the Work.

3.3 LABOR AND MATERIALS

3.3.1 Unless otherwise provided in the Contract, Contractor shall provide and pay for all labor, materials, equipment, tools, construction equipment and machinery, water, heat, utilities, transportation, and other facilities and services necessary for proper execution and Final Completion of the Work, whether temporary or permanent and whether or not incorporated or to be incorporated in the Work.

3.4 CONTRACTOR'S WARRANTY

3.4.1 Contractor warrants to University that all materials and equipment used in or incorporated into the Work will be of good quality, new, and free of liens, claims, and security interests of third parties; that the Work will be of good quality and free from defects; and that the Work will conform with the requirements of the Contract. If required by University's Representative, Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment.

3.5 TAXES

3.5.1 Contractor shall pay all sales, consumer, use, and similar taxes for the Work or portions thereof provided by Contractor.

3.6 PERMITS, FEES, AND NOTICES

3.6.1 Except for the permits and approvals which are to be obtained by University or the requirements with respect to which University is not subject as provided in Article 2.1.2, Contractor shall secure and pay for all permits, approvals, government fees, licenses, and inspections necessary for the proper execution and performance of the Work. Contractor shall deliver to University all original licenses, permits, and approvals obtained by Contractor in connection with the Work prior to the final payment or upon termination of the Contract, whichever is earlier.

3.7 APPLICABLE CODE REQUIREMENTS

3.7.1 Contractor shall perform the Work in accordance with the following Applicable Code Requirements:

- .1 All laws, statutes, the most recent building codes, ordinances, rules, regulations, and lawful orders of all public authorities having jurisdiction over University, Contractor, any Subcontractor, the Project, the Project site, the Work, or the prosecution of the Work.
- .2 All requirements of any insurance company issuing insurance required hereunder.
- .3 The Federal Occupational Safety and Health Act and all other Applicable Code Requirements relating to safety.
- .4 Applicable titles in the State of California Code of Regulations.
- .5 Applicable sections in the State of California Labor Code.
- .6 All Applicable Code Requirements relating to nondiscrimination, payment of prevailing wages, payroll records, apprentices, and work day.

Without limiting the foregoing, Contractor shall comply with the provisions regarding nondiscrimination, payment of prevailing wages, payroll records, apprentices, and work day set forth in Article 14.

3.7.2 Contractor shall comply with and give notices required by all Applicable Code Requirements, including all environmental laws and all notice requirements under the State of California Safe Drinking Water and Enforcement Act of 1986 (State of California Health and Safety Code Section 25249.5 and applicable sections that follow). Contractor shall promptly notify University's Representative in writing if Contractor becomes aware during the performance of the Work that the Contract Documents are at variance with Applicable Code Requirements.

3.7.3 If Contractor performs Work which it knows or should know is contrary to Applicable Code Requirements, without prior notice to University and University's Representative, Contractor shall be responsible for such Work and any resulting damages including, without limitation, the costs of correcting Defective Work.

3.8 SUPERINTENDENT

3.8.1 Contractor shall employ a competent Superintendent satisfactory to University who shall be in attendance at the Project site at all times during the performance of the Work. Superintendent shall represent Contractor and communications given to and received from Superintendent shall be binding on Contractor.

3.8.2 Failure to maintain a Superintendent on the Project site at all times Work is in progress shall be considered a material breach of this Contract, entitling University to terminate the Contract or alternatively, issue a stop work order until the Superintendent is on the Project site. If, by virtue of issuance of said stop work order, Contractor fails to complete the Contract on time, Contractor will be assessed Liquidated Damages in accordance with the Agreement.

3.8.3 The Superintendent approved for the Project must be able to read, write and verbally communicate in English.

3.8.4 The Superintendent may not perform the Work of any trade, pick-up materials, or perform any Work not directly related to the supervision and coordination of the Work at the Project site when Work is in progress.

3.9 SCHEDULES REQUIRED OF CONTRACTOR

3.9.1 Contractor shall submit a Preliminary Contract Schedule to University's Representative in the form and within the time limit required by the Specifications. University's Representative will review the Preliminary Contract Schedule with Contractor within the time limit required by the Specifications or, if no such time period is specified, within a reasonable period of time.

3.9.2 Contractor shall submit a Contract Schedule and updated Contract Schedules to University's Representative in the form and within the time limits required by the Specifications and acceptable to University's Representative. University's Representative will determine acceptability of the Contract Schedule and updated Contract Schedules within the time limits required by the Specifications or, if no such time period is specified, within a reasonable period of time. If University's Representative deems the Contract Schedule or updated Contract Schedule unacceptable, it shall specify in writing to Contractor the basis for its objection.

3.9.3 The Preliminary Contract Schedule, the Contract Schedule, and updated Contract Schedules shall represent a practical plan to complete the Work within the Contract Time. Schedules showing the Work completed in less than the Contract Time may be acceptable if judged by University's Representative to be practical. Schedules showing the Work completed beyond the Contract Time may be submitted under the following circumstances:

- .1 If accompanied by a Change Order Request seeking an adjustment of the Contract Time consistent the requirements of Article 8.4 for Adjustment of the Contract Time for Delay; or
- .2 If the Contract Time has passed, or if it is a practical impossibility to complete the Work within the Contract Time, then the updated Contract Schedule or fragnet schedule shall show completion at the earliest practical date.

University's Representative will timely review the updated Contract Schedule or Fragnet Schedule submitted by Contractor. If University's Representative determines that additional supporting data are necessary to fully evaluate the updated Contract Schedule or Fragnet Schedule, University's Representative will request such additional supporting data in writing. Such data shall be furnished no later than 10 days after the date of such request. University's Representative will render a decision promptly and in any case within 30 days after the later of the receipt of the updated Contract Schedule or Fragnet Schedule or the deadline for furnishing such additional supporting data. Failure of University's Representative to render a decision by the applicable deadline will be deemed a decision denying approval of the updated Contract Schedule or Fragnet Schedule. Acceptance of any schedule showing completion beyond the Contract Time by University's Representative shall not change the Contract Time and is without prejudice to any right of University. The Contract Time, not the Contract Schedule, shall control in the determination of liquidated damages payable by Contractor under Article 4 and Article 5 of the Agreement and in the determination of any delay under Article 8 of the General Conditions.

3.9.4 If a schedule showing the Work completed in less than the Contract Time is accepted, Contractor shall not be entitled to extensions of the Contract Time for Excusable Delays or Compensable Delays or to adjustments of the Contract Sum for Compensable Delays until such delays extend the Final Completion of the Work beyond the expiration of the Contract Time.

3.9.5 Contractor shall prepare and keep current, to the reasonable satisfaction of University's Representative, a Submittal Schedule, in the form contained in the Exhibits, for each submittal, as required by the Specifications, and that are coordinated with the other activities in the Contract Schedule.

3.9.6 The Preliminary Contract Schedule, Contract Schedule, and the Updated Contract Schedules shall meet the following requirements:

- .1 Schedules must be suitable for monitoring progress of the Work.
- .2 Schedules must provide necessary data about the timing for University decisions and University furnished items.
- .3 Schedules must be in sufficient detail to demonstrate adequate planning for the Work.
- .4 Schedules must represent a practical plan to perform and complete the Work within the Contract Time.

3.9.7 University's Representative's review of the form and general content of the Preliminary Contract Schedule, Contract Schedule, and Updated Contract Schedules is for the purpose of determining if the above-listed requirements have been satisfied.

3.9.8 Contractor shall plan, develop, supervise, control, and coordinate the performance of the Work so that its progress and the sequence and timing of Work will permit its completion within the Contract Time, any Contract milestones and any Contract phases.

3.9.9 In preparing the Preliminary Contract Schedule, the Contract Schedule, and updated Contract Schedules, Contractor shall obtain such information and data from Subcontractors as may be required to develop a reasonable and appropriate schedule for performance of the work and shall provide such information and data to University's Representative upon request. Contractor shall continuously obtain from Subcontractors information and data about the planning for and progress of the Work and the delivery of

equipment, shall coordinate and integrate such information and data into updated Contract Schedules, as appropriate, and shall monitor the progress of the Work and the delivery of equipment.

3.9.10 Contractor shall act as the expeditor of potential and actual delays, interruptions, hindrances, or disruptions for its own forces and those forces of Subcontractors, regardless of tier.

3.9.11 Contractor shall cooperate with University's Representative in the development of the Contract Schedule and updated Contract Schedules. University's Representative's acceptance of or its review comments about any schedule or scheduling data shall not relieve Contractor from its sole responsibility to plan for, perform, and complete the Work within the Contract Time. Acceptance of or review comments about any schedule shall not transfer responsibility for any schedule to University's Representative or University nor imply their agreement with (1) any assumption upon which such schedule is based or (2) any matter underlying or contained in such schedule. Failure of University's Representative to discover errors or omissions in schedules that it has reviewed, or to inform Contractor that Contractor, Subcontractors, or others are behind schedule, or to direct or enforce procedures for complying with the Contract Schedule shall not relieve Contractor from its sole responsibility to perform and complete the Work within the Contract Time and shall not be a cause for an adjustment of the Contract Time or the Contract Sum.

3.10 AS-BUILT DOCUMENTS

3.10.1 Contractor shall maintain one set of As-built drawings and specifications, which shall be kept up to date during the Work of the Contract. All changes which are incorporated into the Work which differ from the documents as drawn and written shall be noted on the As-built set. Notations shall reflect the actual materials, equipment and installation methods used for the Work and each revision shall be initialed and dated by Superintendent. Prior to filing of the Notice of Completion each drawing and the specification cover shall be signed by Contractor and dated attesting to the completeness of the information noted therein. As-built Documents shall be turned over to University's Representative and shall become part of the Record Documents.

3.11 DOCUMENTS AND SAMPLES AT PROJECT SITE

3.11.1 Contractor shall maintain the following at the Project site:

- .1 One as-built copy of the Contract Documents, in good order and marked to record current changes and selections made during construction.
- .2 The current accepted Contract Schedule.
- .3 Shop Drawings, Product Data, and Samples.
- .4 All other required submittals.

These shall be available to University's Representative and shall be delivered to University's Representative for submittal to University upon the earlier of Final Completion or termination of the Contract.

3.12 SHOP DRAWINGS, PRODUCT DATA, SAMPLES, AND ENVIRONMENTAL PRODUCT DECLARATIONS

3.12.1 Definitions:

- .1 Shop Drawings are drawings, diagrams, schedules, and other data specially prepared for the Work by Contractor or a Subcontractor to illustrate some portion of the Work.
- .2 Product Data are illustrations, standard schedules, performance charts, instructions, brochures, diagrams, and other information furnished by Contractor to illustrate or describe materials or equipment for some portion of the Work.
- .3 Samples are physical examples which illustrate materials, equipment, or workmanship and establish standards by which the Work will be judged.
- .4 Environmental Product Declarations are those documents and other submissions required to be furnished by Contractor or a Subcontractor pursuant to California Public Contract Code Section 3500 et seq., the Buy Clean California Act, as further described in Article 3.12.9 below.

3.12.2 Shop Drawings, Product Data, Samples, and similar submittals are not Contract Documents. Their purpose is to demonstrate, for those portions of the Work for which submittals are required, how Contractor proposes to conform to the information given and the design concept expressed in the Contract Documents.

3.12.3 Contractor shall review, approve, and submit to University's Representative Shop Drawings, Product Data, Samples, and similar submittals required by the Contract Documents with reasonable promptness and in such sequence as to cause no delay in the Work or in the activities of University or of Separate Contractors. Submittals made by Contractor which are not required by the Contract Documents may be returned without action by University's Representative.

3.12.4 Contractor shall perform no portion of the Work requiring submittal and review of Shop Drawings, Product Data, Samples, or similar submittals until the respective submittal has been reviewed by University's Representative and no exceptions have been taken by University's Representative. Such Work shall be in accordance with approved submittals and the Contract Documents.

3.12.5 By approving and submitting Shop Drawings, Product Data, Samples, and similar submittals, Contractor represents that it has determined or verified materials and field measurements and conditions related thereto, and that it has checked and coordinated the information contained within such submittals with the requirements of the Contract Documents and Shop Drawings for related Work.

3.12.6 If Contractor discovers any conflicts, omissions, or errors in Shop Drawings or other submittals, Contractor shall notify University's Representative and receive instruction before proceeding with the affected Work.

3.12.7 Contractor shall not be relieved of responsibility for deviations from requirements of the Contract Documents by University's Representative's review of Shop Drawings, Product Data, Samples, or similar submittals, unless Contractor has specifically informed University's Representative in writing of such deviation at the time of submittal and University's Representative has given written

approval of the specific deviation. Contractor shall not be relieved of responsibility for errors or omissions in Shop Drawings, Product Data, Samples, or similar submittals by University's Representative's review, acceptance, comment, or approval thereof.

3.12.8 Contractor shall direct specific attention, in writing or on resubmitted Shop Drawings, Product Data, Samples, or similar submittals, to revisions other than those requested by University's Representative on previous submittals.

3.12.9 Environmental Product Declarations

3.12.9.1 Contractor shall comply with California Public Contract Code Section 3500 et seq., the Buy Clean California Act ("BCCA").

3.12.9.2 The term "Eligible Materials," as used herein, shall mean the same as defined by the BCCA, and shall include at a minimum the following materials:

- (1) Carbon steel rebar.
- (2) Flat glass.
- (3) Mineral wool board insulation.
- (4) Structural steel.

3.12.9.3 Compliance with the BCCA and this Article applies to all Eligible Materials for the Project.

3.12.9.4 Contractor shall submit to University a current facility-specific Environmental Product Declaration ("EPD"), Type III, as defined by the International Organization for Standardization ("ISO") standard 14025, or similarly robust life cycle assessment methods that have uniform standards in data collection consistent with ISO standard 14025, industry acceptance, and integrity, for each Eligible Material proposed to be used on the Project.

3.12.9.5 Eligible Materials installed on the Project by Contractor must comply with any standards to the extent established in the BCCA or by University, whichever is more stringent. The facility-specific global warming potential for any Eligible Material must not exceed any existing maximum acceptable global warming potential for that material pursuant to the BCCA or by University, whichever is more stringent ("EM Standards").

3.12.9.6 Contractor shall not install any Eligible Materials on the Project until Contractor submits a facility-specific EPD for that material which demonstrates that the material complies with any existing EM Standards and this Article. Contractor shall be responsible for any losses, expenses, penalties or damages of any type incurred or sustained by University, including any tear out and replacement of Defective Work, which are caused by Contractor's failure to comply with the requirements of the BCCA or this Article.

3.13 USE OF SITE AND CLEAN UP

3.13.1 Contractor shall confine operations at the Project site to areas permitted by law, ordinances, permits, and the Contract Documents. Contractor shall not unreasonably encumber the Project site with materials or equipment.

3.13.2 Contractor shall, during performance of the Work, keep the Project site and surrounding area free from the accumulation of excess dirt, waste materials, and rubbish caused by Contractor. Contractor shall remove all excess dirt, waste material, and rubbish caused by Contractor; tools; equipment; machinery; and surplus materials from the Project site and surrounding area at the completion of the Work.

3.13.3 Personnel of Contractor and Subcontractors shall not occupy, live upon, or otherwise make use of the Project site during any time that Work is not being performed at the Project site, except as otherwise provided in the Contract Documents.

3.14 CUTTING, FITTING, AND PATCHING

3.14.1 Contractor shall do all cutting, fitting, or patching of the Work required to make all parts of the Work come together properly and to allow the Work to receive or be received by work of Separate Contractors shown upon, or reasonably implied by, the Contract Documents.

3.14.2 Contractor shall not endanger the Work, the Project, or adjacent property by cutting, digging, or otherwise. Contractor shall not cut or alter the work of any Separate Contractor without the prior consent of University's Representative.

3.15 ACCESS TO WORK

3.15.1 University, University's Representative, their consultants, and other persons authorized by University will at all times have access to the Work wherever it is in preparation or progress. Contractor shall provide safe and proper facilities for such access and for inspection.

3.16 ROYALTIES AND PATENTS

3.16.1 Contractor shall pay all royalties and license fees required for the performance of the Work. Contractor shall defend suits or claims resulting from Contractor's or any Subcontractor's infringement of patent rights and shall indemnify, defend and hold harmless University and University's Representative from losses on account thereof.

3.17 DIFFERING SITE CONDITIONS

3.17.1 If Contractor encounters any of the following conditions at the site, Contractor shall immediately notify University's Representative in writing of the specific differing conditions before they are disturbed and before any affected Work is performed, and permit investigation of the conditions:

- .1 Subsurface or latent physical conditions at the site (including Hazardous Materials) which differ materially from those indicated in this Contract, or if not indicated in this Contract, in the Information Available to Bidders; or

- .2 Unknown physical conditions at the site, of an unusual nature, which differ materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract.

3.17.2 Contractor shall be entitled to an adjustment to the Contract Sum and/or Contract Time as the result of extra costs and/or delays resulting from a materially differing site condition, if and only if Contractor fulfills the following conditions:

- .1 Contractor fully complies with Article 3.17.1; and
- .2 Contractor fully complies with Article 4 (including the timely filing of a Change Order Request and all other requirements for Change Orders Requests and Claims).

3.17.3 Adjustments to the Contract Sum and/or Contract Time shall be subject to the procedures and limitations set forth in Articles 7 and 8.

3.18 CONCEALED, UNFORESEEN, OR UNKNOWN CONDITIONS OR EVENTS

3.18.1 Except and only to the extent provided otherwise in Articles 3.17, 7 and 8 of the General Conditions, by signing the Agreement, Contractor agrees:

- .1 To bear the risk of concealed, unforeseen or unknown conditions or events, if any, which may be encountered in performing the Contract; and
- .2 That Contractor's bid for the Contract was made with full knowledge of this risk.

In agreeing to bear the risk of concealed, unforeseen or unknown conditions or events, Contractor understands that, except and only to the extent provided otherwise in Articles 3.17, 7 and 8, concealed, unforeseen or unknown conditions or events shall not excuse Contractor from its obligation to achieve Final Completion of the Work within the Contract Time, and shall not entitle Contractor to an adjustment of the Contract Sum.

3.18.2 If Contractor encounters concealed, unforeseen or unknown conditions or events that may require a change to the design shown in the Contract Documents, Contractor shall immediately notify University's Representative in writing such that University's Representative can determine if a change to the design is required. Contractor shall be liable to University for any extra costs incurred as the result of Contractor's failure to immediately give such notice.

3.18.3 If, as the result of concealed, unforeseen or unknown conditions or events, University issues a Change Order or Field Order that changes the design from the design depicted in the Contract Documents, Contractor shall be entitled, subject to compliance with all the provisions of the Contract, including those set forth in Articles 4, 7 and 8, to an adjustment of the Contract Sum and/or Contract Time, for the cost and delay resulting from implementing the changes to the design. Except as provided in this Article 3.18.3, or as may be expressly provided otherwise in the Contract, there shall be no adjustment of the Contract Sum and/or Contract Time as a result of concealed, unforeseen or unknown conditions or events.

3.18.4 Contractor shall, as a condition precedent to any adjustment in Contract Sum or Contract Time under Article 3.18.3, fully comply with Article 4 (including the timely filing of a Change Order Request and all other requirements for Change Orders Requests and Claims).

3.19 HAZARDOUS MATERIALS

3.19.1 University shall not be responsible for any Hazardous Material brought to the site by Contractor.

3.19.2 If Contractor: (i) introduces and/or discharges a Hazardous Material onto the site in a manner not specified by the Contract Documents; and/or (ii) disturbs a Hazardous Material identified in the Contract Documents, Contractor shall hire a qualified remediation contractor at Contractor's sole cost to eliminate the condition as soon as possible. Under no circumstance shall Contractor perform Work for which it is not qualified. University, in its sole discretion, may require Contractor to retain at Contractor's cost an independent testing laboratory.

3.19.3 If Contractor encounters a Hazardous Material which may cause foreseeable injury or damage, Contractor shall immediately: (i) secure or otherwise isolate such condition; (ii) stop all Work in connection with such material or substance (except in an emergency situation); and (iii) notify University (and promptly thereafter confirm such notice in writing).

3.19.4 Subject to Contractor's compliance with Article 3.19.3, University shall verify the presence or absence of the Hazardous Material reported by Contractor, except as qualified under Section 3.19.1 and 3.19.2, and, in the event such material or substance is found to be present, verify that the levels of the hazardous material are below OSHA Permissible Exposure Levels and below levels which would classify the material as a state of California or federal hazardous waste. When the material falls below such levels, Work in the affected area shall resume upon direction by University. The Contract Time and Sum shall be extended appropriately as provided in Articles 7 and 8.

3.19.5 University shall indemnify and hold harmless Contractor from and against claims, damages, losses and expenses, arising from a Hazardous Material on the Project site, if such Hazardous Material: (i) was not shown on the Contract Documents or Information Available to Bidders; (ii) was not brought to the site by Contractor; and (iii) exceeded OSHA Permissible Exposure Levels or levels which would classify the material as a state of California or federal hazardous waste. The indemnity obligation in this Article shall not apply to:

- .1 claims, damages, losses or expenses arising from the breach of contract, negligence or willful misconduct of Contractor, its suppliers, its Subcontractors of all tiers and/or any persons or entities working under Contractor; and
- .2 claims, damages, losses or expenses arising from a Hazardous Material subject to Article 3.19.2.

3.19.6 In addition to the requirements in Article 3.22, Contractor shall indemnify and hold harmless the University from and against claims, damages, losses and expenses, arising from a Hazardous Material on the Project site, if such Hazardous Material exceeded OSHA Permissible Exposure Levels or levels which would classify the material as a state of California or federal hazardous waste, and was either i) shown on the Contract Documents or Information Available to Bidders; or (ii) brought to the site by Contractor. Nothing in

this paragraph shall obligate the Contractor to indemnify University in the event of the sole negligence of the University, its officers, agents, or employees.

3.20 INFORMATION AVAILABLE TO BIDDERS

3.20.1 Any information provided pursuant to Information Available to Bidders is subject to the following provisions:

- .1 The information is made available for the convenience of Bidders and is not a part of the Contract.
- .2 Contractor may rely on written descriptions of physical conditions included in the information to the extent such reliance is reasonable.
- .3 Other components of the information, including but not limited to recommendations, may not be relied upon by Contractor. University shall not be responsible for any interpretation of or conclusion drawn from the other components of the information by Contractor.

3.21 LIABILITY FOR AND REPAIR OF DAMAGED WORK

3.21.1 Contractor shall be liable for any and all damages and losses to the Project (whether by fire, theft, vandalism, earthquake or otherwise) prior to University's acceptance of the Project as fully completed except that Contractor shall not be liable for damages and losses to the Project caused by earthquake in excess of magnitude 3.5 on the Richter Scale, tidal wave, or flood, provided that the damages or losses were not caused in whole or in part by the negligent acts or omissions of Contractor, its officers, agents or employees (including all Subcontractors and suppliers of all tiers). As used herein, "flood" shall have the same meaning as in the builder's risk property insurance.

3.21.2 Contractor shall promptly repair and replace any Work or materials damaged or destroyed for which Contractor is liable under Article 3.21.1.

3.22 INDEMNIFICATION

3.22.1 Contractor shall indemnify, defend and hold harmless University, University's consultants, University's Representative, University's Representative's consultants, and their respective directors, officers, agents, and employees from and against losses (including without limitation the cost of repairing defective work and remedying the consequences of defective work) arising out of, resulting from, or relating to the following:

- .1 The failure of Contractor to perform its obligations under the Contract.
- .2 The inaccuracy of any representation or warranty by Contractor given in accordance with or contained in the Contract Documents.
- .3 Any claim of damage or loss by any Subcontractor against University arising out of any alleged act or omission of Contractor or any other Subcontractor, or anyone directly or indirectly employed by Contractor or any Subcontractor.
- .4 Any claim of damage or loss resulting from Hazardous Materials introduced, discharged, or disturbed by Contractor as required per Article 3.19.6.

3.22.2 University shall not be liable or responsible for any accidents, loss, injury (including death) or damages happening or accruing during the term of the performance of the Work herein referred to or in connection therewith, to persons and/or property, and Contractor shall fully indemnify, defend and hold harmless University and protect University from and against the same as provided in Article 3.22.1 above. In addition to the liability imposed by law upon Contractor for damage or injury (including death) to persons or property by reason of the negligence of Contractor, its officers, agents, employees or Subcontractors, which liability is not impaired or otherwise affected hereby, Contractor shall defend, indemnify, hold harmless, release and forever discharge University, its officers, employees, and agents from and against and waive any and all responsibility of same for every expense, liability, or payment by reason of any damage or injury (including death) to persons or property suffered or claimed to have been suffered through any negligent act, omission, or willful misconduct of Contractor, its officers, agents, employees, or any of its Subcontractors, or anyone directly or indirectly employed by either of them or from the condition of the premises or any part of the premises while in control of Contractor, its officers, agents, employees, or any of its Subcontractors or anyone directly or indirectly employed by either of them, arising out of the performance of the Work called for by this Contract. Contractor agrees that this indemnity and hold harmless shall apply even in the event of negligence of University, its officers, agents, or employees, regardless of whether such negligence is contributory to any claim, demand, loss, damage, injury, expense, and/or liability; but such indemnity and hold harmless shall not apply (i) in the event of the sole negligence of University, its officers, agents, or employees; or (ii) to the extent that University shall indemnify and hold harmless Contractor for Hazardous Materials pursuant to Article 3.19.5.

3.22.3 In claims against any person or entity indemnified under this Article 3.22 that are made by an employee of Contractor or any Subcontractor, a person indirectly employed by Contractor or any Subcontractor, or anyone for whose acts Contractor or any Subcontractor may be liable, the indemnification obligation under this Article 3.22 shall not be limited by any limitation on amount or type of damages, compensation, or benefits payable by or for Contractor or any Subcontractor under Workers' Compensation acts, disability benefit acts, or other employee benefit acts.

3.22.4 The indemnification obligations under this Article 3.22 shall not be limited by any assertion or finding that the person or entity indemnified is liable by reason of a non-delegable duty.

3.22.5 Contractor shall indemnify University from and against Losses resulting from any claim of damage made by any Separate Contractor against University arising out of any alleged acts or omissions of Contractor, any Subcontractor, anyone directly or indirectly employed by either of them, or anyone for whose acts either of them may be liable.

3.22.6 Contractor shall indemnify Separate Contractors from and against Losses arising out of the negligent acts, omissions, or willful misconduct of Contractor, any Subcontractor, anyone directly or indirectly employed by either of them, or anyone for whose acts either of them may be liable.

ARTICLE 4
ADMINISTRATION OF THE CONTRACT

4.1 ADMINISTRATION OF THE CONTRACT BY UNIVERSITY'S REPRESENTATIVE

4.1.1 University's Representative will provide administration of the Contract as provided in the Contract Documents and will be the representative of University. University's Representative will have authority to act on behalf of University only to the extent provided in the Contract Documents.

4.1.2 University's Representative will have the right to visit the Project site at such intervals as deemed appropriate by University's Representative. However, no actions taken during such Project site visit by University's Representative shall relieve Contractor of its obligations as described in the Contract Documents.

4.1.3 University's Representative will not have control over, will not be in charge of, and will not be responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the Work, since these are solely Contractor's responsibility.

4.1.4 Except as otherwise provided in the Contract Documents or when direct communications have been specifically authorized, University and Contractor shall communicate through University's Representative. Except when direct communication has been specifically authorized in writing by University Representative, communications by Contractor with University's consultants and University's Representative's consultants shall be through University's Representative. Communications by University and University's Representative with Subcontractors will be through Contractor. Communications by Contractor and Subcontractors with Separate Contractors shall be through University's Representative. Contractor shall not rely on oral or other non-written communications.

4.1.5 Based on University's Representative's Project site visits and evaluations of Contractor's Applications for Payment, University's Representative will recommend amounts, if any, due Contractor and will issue Certificates for Payment in such amounts.

4.1.6 University's Representative will have the authority to reject the Work, or any portion thereof, which does not conform to the Contract Documents. University's Representative will have the authority to stop the Work or any portion thereof. Whenever University's Representative considers it necessary or advisable for implementation of the intent of the Contract Documents, University's Representative will have the authority to require additional inspection or testing of the Work in accordance with the Contract Documents, whether or not such Work is fabricated, installed, or completed. However, no authority of University's Representative conferred by the Contract Documents nor any decision made in good faith either to exercise or not exercise such authority, will give rise to a duty or responsibility of University or University's Representative to Contractor, or any person or entity claiming under or through Contractor.

4.1.7 University's Representative will have the authority to conduct inspections as provided in the Contract Documents, to take Beneficial Occupancy and to determine the dates of Substantial Completion and Final Completion; will receive for review and approval any records, written warranties, and related documents required by the Contract Documents and assembled by Contractor; and will issue a final Certificate for Payment upon Contractor's compliance with the requirements of the Contract Documents.

4.1.8 University's Representative will be, in the first instance, the interpreter of the requirements of the Contract Documents and the judge of performance thereunder by Contractor. Should Contractor discover any conflicts, omissions, or errors in the Contract Documents; have any questions about the interpretation or clarification of the Contract Documents; question whether Work is within the scope of the Contract Documents; or question that Work required is not sufficiently detailed or explained, then, before proceeding with the Work affected, Contractor shall notify University's Representative in writing and request interpretation, clarification, or furnishing of additional detailed instructions. University's Representative's response to questions and requests for interpretations, clarifications, instructions, or decisions will be made with reasonable promptness. Should Contractor proceed with the Work affected before receipt of a response from University's Representative, any portion of the Work which is not done in accordance with University's Representative's interpretations, clarifications, instructions, or decisions shall be removed or replaced and Contractor shall be responsible for all resultant losses.

4.2 CONTRACTOR CHANGE ORDER REQUESTS

4.2.1 Contractor may request changes to the Contract Sum and/or Contract Time for Extra Work, materially differing site conditions, or Delays to Final Completion of the Work.

4.2.2 Conditions precedent to obtaining an adjustment of the Contract Sum and/or Contract Time, payment of money, or other relief with respect to the Contract Documents, for any other reason, are:

- .1 Timely submission of a Change Order Request that meets the requirements of Articles 4.2.3.1 and 4.2.3.2; and
- .2 If requested, timely submission of additional information requested by University Representative pursuant to Article 4.2.3.3.

4.2.3 Change Order Request:

- .1 A Change Order Request will be deemed timely submitted if, and only if, it is submitted within 7 days of the date Contractor discovers, or reasonably should discover the circumstances giving rise to the Change Order Request, unless additional time is allowed in writing by University's Representative for submission of the Change Order Request, provided that if:
 - .1 the Change Order Request includes compensation sought by a Subcontractor; AND
 - .2 Contractor requests in writing to University's Representative, within the 7-day time period, additional time to permit Contractor to conduct an appropriate review of the Subcontractor Change Order Request, the time period for submission of the actual Change Order Request shall be extended by the number of days specified in writing by University's Representative.
- .2 A Change Order Request must state that it is a Change Order Request, state and justify the reason for the request, and specify the amount of any requested adjustment of the Contract Sum, Contract Time, and/or other monetary

relief. If Contractor requests an adjustment to the Contract Sum or other monetary relief, Contractor shall submit the following with the Change Order Request:

- .1 a completed Cost Proposal in the form contained in the Exhibits meeting the requirements of Article 7; OR
- .2 a partial Cost Proposal and a declaration of what required information is not then known to Contractor. If Contractor failed to submit a completed Cost Proposal with the Change Order Request, Contractor shall submit a completed Cost Proposal meeting the requirements of Article 7 within 7 days of the date Contractor submitted the Change Order Request unless additional time is allowed by University's Representative.
- .3 Upon request of University's Representative, Contractor shall submit such additional information as may be requested by University's Representative for the purpose of evaluating the Change Order Request. Such additional information may include:
 - .1 If Contractor seeks an adjustment of the Contract Sum or other monetary relief, actual cost records for any changed or extra costs (including without limitation, payroll records, material and rental invoices and the like), shall be submitted by the deadline established by University's Representative, who may require such actual cost records to be submitted and reviewed, on a daily basis, by University's Representative and/or representatives of University's Representative.
 - .2 If Contractor seeks an adjustment of the Contract Time, written documentation demonstrating Contractor's entitlement to a time extension under Article 8.4, which shall be submitted within 15 days of the date requested. If requested, Contractor may submit a fragnet in support of its request for a time extension. University may, but is not obligated to, grant a time extension on the basis of a fragnet alone which, by its nature, is not a complete schedule analysis. If deemed appropriate by University's Representative, Contractor shall submit a more detailed schedule analysis in support of its request for a time extension.
 - .3 If Contractor seeks an adjustment of the Contract Sum or other monetary relief for delay, written documentation demonstrating Contractor's entitlement to such an adjustment under Article 7.3.9, which shall be submitted within 15 days of the date requested.
 - .4 Any other information requested by University's Representative for the purpose of evaluating the Change Order Request, which shall be submitted by the deadline established by University's Representative.

4.2.4 University's Representative will make a decision on a Change Order Request within a reasonable time after receipt of a Change Order Request. In the event the Change Order Request is submitted pursuant to Article 8.4.1, University's Representative will promptly review and accept or reject it within 30 days. A final decision is any decision on a Change Order Request which states that it is final. If University's Representative issues a final decision denying a Change Order Request in whole or in part, Contractor may contest the decision by filing a timely Claim under the procedures specified in Article 4.4.

4.2.5 Contractor may file a written demand for a final decision by University's Representative on all or part of any Change Order Request as to which University's Representative has not previously issued a final decision pursuant to Article 4.2.4; such written demand may not be made earlier than the 30th day after submission of the Change Order Request. Within 30 days of receipt of the demand, University's Representative will issue a final decision on the Change Order Request. University's Representative's failure to issue a decision within the 30-day period shall be treated as the issuance, on the last day of the 30-day period, of a final decision to deny the Change Order Request in its entirety.

4.3 CLAIMS

4.3.1 The term "Claim" means a written demand or assertion by Contractor seeking an adjustment or interpretation of the terms of the Contract Documents, payment of money, extension of time, or other relief with respect to the Contract Documents, including a determination of disputes or matters in question between University and Contractor arising out of or related to the Contract Documents or the performance of the Work. However, the term "Claim" shall not include, and the Claims procedures provided under this Article 4, including but not limited to arbitration, shall not apply to the following:

- .1 Claims respecting penalties for forfeitures prescribed by statute or regulation which a government agency is specifically authorized to administer, settle, or determine.
- .2 Claims respecting personal injury, death, reimbursement, or other compensation arising out of or resulting from liability for personal injury or death.
- .3 Claims by University, except as set forth in Articles 4.5, 4.6 and 4.7.
- .4 Claims respecting stop payment notices.

4.3.2 A Claim arises upon the issuance of a written final decision denying in whole or in part Contractor's Change Order Request pursuant to Articles 4.2.4 and 4.2.5.

4.3.3 A Claim must include the following:

- .1 A statement that it is a Claim and a request for a decision pursuant to Article 4.5.
- .2 A detailed factual narrative of events fully describing the nature and circumstances giving rise to the Claim, including but not limited to, necessary dates, locations, and items of work affected.
- .3 A certification, executed by Contractor, that the claim is filed in good faith. The certification must be made on the Claim Certification form, included in the Exhibits to the Contract. The language of the Claim Certification form may not be modified.
- .4 A certification, executed by each Subcontractor claiming not less than 5% of the total monetary amount sought by the claim, that the subcontractor's portion of the claim is filed in good faith. The certification must be made on the Claim Certification form, included in the Exhibits to the Contract. The language of the Claim Certification form may not be modified.
- .5 A statement demonstrating that a Change Order Request was timely submitted as required by Article 4.2.3

- .6 If a Cost Proposal or declaration was required by Article 4.2.3, a statement demonstrating that the Cost Proposal or the declaration was timely submitted as required by Article 4.2.3.
- .7 A detailed justification for any remedy or relief sought by the Claim, including to the extent applicable, the following:
 - .1 If the Claim involves Extra Work, a detailed cost breakdown of the amounts claimed, including the items specified in Article 7.3.2. An estimate of the costs must be provided even if the costs claimed have not been incurred when the Claim is submitted. To the extent costs have been incurred when the Claim is submitted, the Claim must include actual cost records (including without limitation, payroll records, material and rental invoices and the like) demonstrating that costs claimed have actually been incurred. To the extent costs have not yet been incurred at the time the Claim is submitted, actual cost records must be submitted on a current basis not less than once a month during any periods costs are incurred. A cost record will be considered current if submitted within 30 days of the date the cost reflected in the record is incurred. At the request of University's Representative, claimed extra costs may be subject to further verification procedures (such as having an inspector verify the performance of alleged Extra Work on a daily basis). The cost breakdown must include an itemization of costs for i) labor including workers' names, classifications, regular hours and overtime hours worked, dates worked, and other pertinent information; ii) materials stored or incorporated in the work including invoices, purchase orders, location of materials either stored or incorporated into the work, dates materials were transported to the project or incorporated into the work, and other pertinent information; and iii) itemization of machinery and equipment including make, model, hours of use, dates of use and equipment rental rates of any rented equipment.
 - .2 If the Claim involves an extension of the Contract Time, written documentation demonstrating Contractor's entitlement to a time extension under Article 8.4, including the specific dates for which a time extension is sought and the specific reasons for entitlement of a time extension.
 - .3 If the Claim involves an adjustment of the Contract Sum for delay, written documentation demonstrating Contractor's entitlement to such an adjustment under Article 7.3.9, including but not limited to, a detailed time impact analysis of the Contract Schedule. The Contract Schedule must demonstrate Contractor's entitlement to such an adjustment under Article 7.3.9.

4.4 ASSERTION OF CLAIMS

4.4.1 Claims by Contractor shall be first submitted to University's Representative for decision.

4.4.2 Notwithstanding the making of any Claim or the existence of any dispute regarding any Claim, unless otherwise directed by University's Representative, Contractor shall not cause any delay, cessation, or termination in or of Contractor's performance of the Work, but shall diligently proceed with performance of the Work in accordance with the Contract Documents.

4.4.3 Contractor shall submit a Claim in writing, together with all supporting data specified in Article 4.3.3, to University's Representative as soon as possible but not later than 30 days after the date the Claim arises under Article 4.3.2, provided that after written notification to University's Representative within such time period, the time period for submission of the Claim shall be extended by the number of days specified in writing by University's Representative where the Claim includes compensation sought by a Subcontractor and Contractor requests an extension of time to permit it to discharge its responsibilities to conduct an appropriate review of the Subcontractor claim.

4.4.4 Strict compliance with the requirements of Articles 4.2, 4.3 and 4.4 are conditions precedent to Contractor's right to an informal conference to meet and confer to resolve a Claim, mediate a Claim, or arbitrate or litigate a Claim. Contractor specifically agrees to assert no Claims via an informal conference, mediation, arbitration or litigation unless there has been strict compliance with Articles 4.2, 4.3, and 4.4. The failure of Contractor to strictly comply with the requirements of Articles 4.2, 4.3 and 4.4 constitutes a failure by Contractor to exhaust its administrative remedies with the University, thereby denying any court or arbitration panel of jurisdiction to adjudicate the Claim.

4.5 DECISION OF UNIVERSITY'S REPRESENTATIVE ON CLAIMS

4.5.1 University's Representative will timely review Claims submitted by Contractor. If University's Representative determines that additional supporting data are necessary to fully evaluate a Claim, University's Representative will request such additional supporting data in writing. Such data shall be furnished no later than 10 days after the date of such request. University's Representative will render a decision promptly and in any case within 30 days after the later of the receipt of the Claim or the deadline for furnishing such additional supporting data; provided that, if the amount of the Claim is in excess of \$50,000, the aforesaid 30-day period shall be 45 days. Failure of University's Representative to render a decision by the applicable deadline will be deemed a decision denying the Claim on the date of the deadline, unless, upon receipt of a Claim, Contractor and University mutually agree to extend the time periods provided herein, or unless otherwise extended by law. The decision of University's Representative will be final and binding unless appealed in accordance with Articles 4.5.2, 4.6, and 4.7. The University's Representative's decision on a Claim or dispute will include a written statement both identifying all disputed and undisputed portions of the Claim and substantially including the following:

"This is a decision under Article 4.5 of the General Conditions of your contract. If you are dissatisfied with the decision, and if you complied with the procedural requirements for asserting claims specified in Article 4 of the General Conditions of your contract, you may have the right to demand in writing an informal conference to meet and confer for settlement of any remaining issues in dispute, following which, if still dissatisfied, you may demand in writing a further resolution via nonbinding mediation, after which you have the right to arbitrate or litigate this decision. If you fail to take appropriate action within 30 days of the date of this decision, the decision shall become final and binding and not subject to further appeal."

4.5.2 If either Contractor or University disputes University's Representative's decision on a Claim, then, within 30 days after the decision of University's Representative on the Claim, or, if no decision has been issued, within 30 days from the date of the applicable

deadline in Article 4.5.1 for University Representative to render a decision, such party (the "Disputing Party") must provide written notice demanding an informal conference to meet and confer. University shall schedule the conference within 30 days upon receipt of the notice demanding an informal conference. The parties will attempt in good faith to resolve any controversy or Claim arising out of or relating to this Contract by negotiation at the conference.

4.6 MEDIATION

4.6.1 Within 10 business days following the informal conference to meet and confer stated in Article 4.5.2, if the Claim or any portion of the Claim remains in dispute, the University shall provide a written statement identifying the disputed and undisputed portions of the Claim. Within 30 days of receipt of the statement, if either Contractor or University disputes any portion of the Claim, then the Disputing Party must provide written notice to the non-disputing party demanding non-binding mediation. The Contractor and the University shall share the associated costs equally and shall mutually agree to a mediator within 10 business days. If the parties cannot agree upon a mediator, each party shall select a mediator and those mediators shall select a qualified neutral third party to mediate with regard to the disputed portion of the Claim, with each party bearing the fees and costs of its respective mediator. Mediation shall include, but not be limited to, neutral evaluation, a dispute review board, or other negotiation or evaluation through an independent third party or board. The Contractor and the University may mutually agree to waive any individual mediation in writing and proceed to arbitration or litigation pursuant to this Contract.

4.7 LITIGATION AND ARBITRATION

4.7.1 Either party may provide a written notice of its election to arbitrate or provide written notice of its election to litigate the Claim within 30 days after the mediation pursuant to Article 4.6.1, or, if the parties mutually agreed in writing to waive mediation, within 30 days after the agreement is signed by both parties.

4.7.2 If a notice of election to arbitrate or litigate is not given by either party within 30 days pursuant to Article 4.7.1, University's Representative's decision on the Claim will be final and binding and not subject to appeal or challenge.

4.7.3 If the Disputing Party gives timely notice of its election to arbitrate the University's Representative's decision on a Claim, Disputing Party shall have the right, within 120 days after a Notice of Completion, or a Notice of Cessation, as applicable, is filed for the Contract, to make a demand for arbitration in accordance with Article 4.7. Failure to perfect a Claim for which a timely election to arbitrate has been made by the timely filing of a demand for arbitration and timely payment of all applicable and required fees to the American Arbitration Association ("AAA") shall result in the University's Representative's decision on said Claim becoming final and binding and not subject to appeal or challenge. If the Disputing Party makes a timely demand for arbitration, and the amount of the Claim in question, when combined with all other Claims, if any, which are the subject of previously filed demands for arbitration that have not been resolved by settlement or arbitration award, is \$100,000 or more, then the other party may elect to litigate all such Claims by filing a written notice with the AAA within 30 days after its receipt of notice from the AAA of the Disputing Party's demand for arbitration of the Claim that raises the total amount of Claims subject to arbitration to \$100,000 or more. If the other party fails to give notice of its election to litigate within such 30-day period, it shall be deemed to have consented to arbitration and waived the right to litigate. If after commencement of arbitration the amount of unresolved Claims in arbitration are allowed to be increased to \$100,000 or more, through an AAA-allowed amendment or otherwise, either party may elect to litigate within 30 days following the date that the electing party first receives written notification from the AAA that total Claims in arbitration equal or exceed \$100,000. If neither party gives notice of its election to litigate within such 30-day period as applicable, then both parties shall be deemed to have consented to arbitration and waived the right to litigate..

4.7.4 A demand for arbitration pursuant to Article 4.7.3 shall include a copy of the Claim presented to University's Representative pursuant to Article 4.4, a copy of the decision of University's Representative pursuant to Article 4.5, if any, a copy of the University's written statement identifying the portion of the Claim that remained in dispute following the informal conference pursuant to Article 4.6.1, and a summary of the remaining portions of the Claim in dispute. The demand shall state the amount in controversy, if any, and state the remedy sought. The demand shall identify the University's Responsible Administrator as the representative of the responding party and the Office of the General Counsel as counsel for the responding party. The demand shall be filed with the AAA and shall not be deemed to have been made until all applicable fees have been paid to the AAA by the demanding party. Copies of the demand and attachments shall be sent to University's Responsible Administrator as the representative of the responding party and the University's Office of General Counsel as attorney for the responding party, at the addresses set forth in the Project Directory, at the time the demand for arbitration is initiated with the AAA.

4.7.5 Except as modified by this Article 4.7, arbitration shall be initiated and conducted in accordance with the Construction Industry Arbitration Rules of the AAA then in effect. The following additional modifications shall be made to the aforesaid AAA rules:

- .1 Civil discovery shall be permitted for the production of documents and taking of depositions. Other discovery may be permitted at the discretion of the arbitrator. All disputes regarding discovery shall be decided by the arbitrator.
- .2 University's Representative and/or University's consultants, shall if required by agreement with University, upon demand by University join in and be bound by the Arbitration. University's Representative and University's consultants will have the same rights in any arbitration proceeding as are afforded by the AAA rules to Contractor and University.
- .3 Contractor's sureties shall be bound by any arbitration award and may join in any arbitration proceeding.
- .4 Except as provided in Articles 4.7.5.2.2. and 4.7.25.3 above, no Subcontractor or other person shall have a right or obligation to join in or be a party to any arbitration proceeding provided for in this Article 4 either directly, by joinder, by consolidation or actions, by counterclaim or crossclaim, or otherwise without the express written consent of University, Contractor, and the joining party.
- .5 If more than one demand for arbitration is made by a party with respect to Claims referred to University's Representative, all such Claims shall be consolidated into a single arbitration unless the parties otherwise agree in writing.
- .6 If total Claims are less than \$50,000, the AAA expedited procedures as modified by this Article 4 shall apply. If total Claims are between \$50,000 and \$100,000 they shall be heard by a single arbitrator who shall be an attorney. If

- total Claims are in excess of \$100,000 and are submitted to arbitration, either by agreement or by failure to elect litigation the controversy shall be heard by a panel of three arbitrators, one of which shall be an attorney.
- .7 No arbitrator shall be appointed and no discovery may be commenced prior to the date of Final Completion unless University and Contractor otherwise agree.
 - .8 The exclusive forum for determining arbitrability shall be the Superior Court of the State of California. The AAA shall not submit to any arbitrator any matter concerning the arbitrability of the dispute if the arbitrability is contested.
 - .9 If the expedited procedures of the AAA are applicable, the AAA shall submit simultaneously to each party an identical list of 7 proposed arbitrators drawn from the National Panel of Commercial Arbitrators, and each party may strike 3 names from the list on a peremptory basis and return the list to the AAA within 10 days from the date of receipt.
 - .10 Except as provided herein, the arbitration shall be conducted and enforced under California law, including the California Arbitration Act (California Code of Civil Procedure section 1280 and following). The Federal Arbitration Act shall not apply to the arbitration.

4.7.6 Unless University and Contractor otherwise agree in writing, the arbitration decision shall be binding upon the parties, made under and in accordance with the laws of the State of California, supported by substantial evidence, and in writing. If the total of all Claims or cross Claims submitted to arbitration is in excess of \$50,000, the award shall contain the basis for the decision, findings of fact, and conclusions of law. Any arbitration award shall be subject to confirmation, vacation, or correction under the procedures and on the grounds specified in the California Code of Civil Procedure including without limitation Section 1296. The expenses and fees of the arbitrators and the administrative fees of the AAA shall be divided among the parties equally. Each party shall pay its own counsel fees, witness fees, and other expenses incurred for its own benefit.

4.7.7 University may, but is not required, to assert as a counterclaim any matter arising out of the claims asserted by Contractor in the arbitration. University's failure to assert any such counterclaim in an arbitration shall be without prejudice to the University's right to assert the counterclaim in litigation or other proceeding.

4.7.8 Any litigation shall be filed in the Superior Court of the State of California for the County in which the contract was to be performed.

4.8 WAIVER

4.8.1 A waiver of or failure by University or University's Representative to enforce any requirement in this Article 4 in connection with any Claim shall not constitute a waiver of, and shall not preclude University or University's Representative from enforcing such requirements in connection with any other Claims.

4.8.2 Contractor agrees and understands that no oral approval, either express or implied, of any Claim shall be binding upon University unless and until such approval is ratified by execution of a written Change Order.

ARTICLE 5 **SUBCONTRACTORS**

5.1 AWARD OF SUBCONTRACTS AND OTHER CONTRACTS FOR PORTIONS OF THE WORK

5.1.1 Unless otherwise stated in the Contract Documents, Contractor shall submit in writing, prior to entering into subcontract agreements, the names and addresses of all Subcontractors proposed for the Work that were not previously listed in Contractor's Bid.

5.1.2 Any Subcontractor may be disqualified if University or University's Representative determines that such Subcontractor fails to meet the requirements of the Contract Documents or for any other reason.

5.1.3 In accordance with the Subletting and Subcontracting Fair Practices Act, nothing herein shall be deemed to entitle Contractor, without the approval of University, to substitute other subcontractors for those named in Contractor's List of Subcontractors and List of Changes in Subcontractors Due to Alternates contained in the completed Bid Form; and, except with such approval, no such substitution shall be made.

5.1.4 Except as hereinafter provided, any increase in the cost of the Work resulting from the replacement or substitution of a Subcontractor, as required by University or University's Representative pursuant to Article 5.1.1 shall be borne solely by Contractor and Contractor shall not be entitled to any increase in Contract Sum or extension of Contract Time on account of such replacement or substitution.

5.2 SUBCONTRACTUAL RELATIONS

5.2.1 Any part of the Work performed for Contractor by a first-tier Subcontractor shall be pursuant to a written subcontract. Each such subcontract shall require the Subcontractor, to the extent of the Work to be performed by the Subcontractor, to be bound to Contractor by the terms of the Contract Documents, to assume toward Contractor all the obligations and responsibilities which Contractor assumes towards University by the Contract Documents, and to perform such portion of the Work in accordance with the Contract Documents. Each such subcontract shall preserve and protect the rights of University under the Contract Documents, with respect to the Work to be performed by Subcontractor, so that subcontracting thereof will not prejudice such rights. Contractor shall cause each such subcontract to expressly include the following requirements:

- .1 Subcontractor waives all rights that Subcontractor may have against University for damages caused by fire or other perils covered by builder's risk property insurance carried by Contractor or University, except for such rights Subcontractor may have to the proceeds of such insurance held by University under Article 11.
- .2 University and entities and agencies designated by University will have access to and the right to audit and the right to copy at University's cost all of Subcontractor's books, records, contracts, correspondence,

instructions, drawings, receipts, vouchers, purchase orders, and memoranda relating to the Work. Subcontractor shall preserve all such records and other items for a period of at least 3 years after Final Completion.

- .3 Subcontractor recognizes the rights of University under Article 5.3, Contingent Assignment of Subcontracts, and agrees, upon notice from University that University has elected to accept said assignment and to retain Subcontractor pursuant to the terms of the subcontract, to complete the unperformed obligations under the subcontract and, if requested by University, to execute a written agreement confirming that Subcontractor is bound to University under the terms of the subcontract.

5.2.2 Upon the request of University, Contractor shall promptly furnish to University a true, complete, and executed copy of any subcontract.

5.2.3 Nothing contained in the Contract Documents shall create any contractual relationship between any Subcontractor and University, except when, and only to the extent that, University elects to accept the assignment of the subcontract with such Subcontractor pursuant to Article 5.3, Contingent Assignment of Subcontracts.

5.3 CONTINGENT ASSIGNMENT OF SUBCONTRACTS

5.3.1 Contractor hereby assigns to University all its interest in first-tier subcontracts now or hereafter entered into by Contractor for performance of any part of the Work. The assignment will be effective upon acceptance by University in writing and only as to those subcontracts which University designates in writing. University may accept said assignment at any time during the course of the Work and prior to Final Completion in the event of a suspension or termination of Contractor's rights under the Contract Documents. Such assignment is part of the consideration to University for entering into the Contract with Contractor and may not be withdrawn prior to Final Completion.

ARTICLE 6

CONSTRUCTION BY UNIVERSITY OR BY SEPARATE CONTRACTORS

6.1 UNIVERSITY'S RIGHT TO PERFORM CONSTRUCTION AND TO AWARD SEPARATE CONTRACTS

6.1.1 University reserves the right to award separate contracts for, or to perform with its own forces, construction or operations related to the Work or other construction or operations at or affecting the Project site, including portions of the Work which have been deleted by Change Order. Contractor shall cooperate with University's forces and Separate Contractors.

6.1.2 University will provide coordination of the activities of University's forces and of each Separate Contractor with the Work of Contractor. Contractor shall participate with University and Separate Contractors in joint review of construction schedules and Project requirements when directed to do so. Contractor shall make necessary revisions to the Contract Schedule after such joint review.

6.2 MUTUAL RESPONSIBILITY

6.2.1 Contractor shall afford University and Separate Contractors reasonable opportunity for introduction and storage of their materials and equipment and performance of their activities. Contractor shall connect, schedule, and coordinate its construction and operations with the construction and operations of University and Separate Contractors as required by the Contract Documents.

6.2.2 If a portion of the Work is dependent upon the proper execution or results of other construction or operations by University or Separate Contractors, Contractor shall inspect such other construction or operations before proceeding with that portion of the Work. Contractor shall promptly report to University's Representative apparent discrepancies or defects which render the other construction or operations unsuitable to receive the Work. Unless otherwise directed by University's Representative, Contractor shall not proceed with the portion of the Work affected until apparent discrepancies or defects have been corrected. Failure of Contractor to so report within a reasonable time after discovering such discrepancies or defects shall constitute an acknowledgment that the other construction or operations by University or Separate Contractors is suitable to receive the Work, except as to defects not then reasonably discoverable.

6.3 UNIVERSITY'S RIGHT TO CLEAN UP

6.3.1 If a dispute arises between Contractor and Separate Contractors as to the responsibility under their respective contracts for maintaining the Project site and surrounding areas free from waste materials and rubbish, University may clean up and allocate the cost between those firms it deems to be responsible.

ARTICLE 7

CHANGES IN THE WORK

7.1 CHANGES

7.1.1 University may, from time to time, order or authorize additions, deletions, and other changes in the Work by Change Order or Field Order without invalidating the Contract and without notice to sureties. Absence of such notice shall not relieve such sureties of any of their obligations to University.

7.1.2 Contractor may request a Change Order under the procedures specified in Article 4.2.

7.1.3 A Field Order may be issued by University, does not require the agreement of Contractor, and shall be valid with or without the signature of Contractor.

7.1.4 Contractor shall proceed promptly with any changes in the Work, unless otherwise provided in the relevant Change Order or Field Order.

7.2 DEFINITIONS

7.2.1 A Change Order is a Contract Document (as shown in the Exhibits) which has been signed by both University and Contractor, and states their agreement, as applicable, to the following:

- .1 A change in the Work, if any.
- .2 The amount of an adjustment of the Contract Sum, if any.
- .3 The amount of an adjustment of the Contract Time, if any.
- .4 A modification to any other Contract term or condition.

7.2.2 A Unilateral Change Order may be issued by University, without Contractor's signature, where University determines that a change in the Work requires an adjustment of the Contract Sum or Contract Time, even though no agreement has been reached between University and Contractor with regard to such change in the Work.

7.2.3 A Field Order (as shown in the Exhibits) is a Contract Document issued by University that orders Contractor to perform Work. A Field Order may, but need not, constitute a change in the Work and may, but need not, entitle Contractor to an adjustment of the Contract Sum or Contract Time.

7.3 CHANGE ORDER PROCEDURES

7.3.1 Contractor shall provide a Change Order Request and Cost Proposal pursuant to Article 4.2 and this Article 7.3 of the General Conditions. Adjustments of the Contract Sum resulting from Extra Work and Deductive Work shall be determined using one of the methods described in this Article 7.3. Adjustments of the Contract Time shall be subject to the provisions in Article 8. Contractor's obligation to provide Cost Proposals shall be subject to the following:

- .1 The obligation of Contractor to provide Cost Proposals is not Extra Work, and shall not entitle Contractor to an adjustment of the Contract Sum or Contract Time.
- .2 The failure of Contractor to timely provide a Cost Proposal pursuant to Article 4.2 and this Article 7.3.1 is a material breach of the Contract. Contractor shall be responsible for any delay in implementing a change for which Contractor failed to timely provide a Cost Proposal consistent with the requirements of Article 4.2 and this Article 7.3.1.

7.3.2 The term "Cost of Extra Work" as used in this Article 7.3 shall mean actual costs incurred or to be incurred by Contractor and each Subcontractor regardless of tier involved, to the extent not otherwise disallowed under Article 7.3.3, and shall be limited to the following (to the extent Contractor demonstrates that the costs are both reasonable and actually incurred, if such costs have been incurred):

- .1 Straight-time wages or salaries for employees employed at the Project site, or at fabrication sites off the Project site, incurred as a result of the performance of the Extra Work.
- .2 Fringe Benefits and Payroll Taxes for employees employed at the Project site, or at fabrication sites off the Project site, incurred as a result of the performance of the Extra Work.
- .3 Overtime wages or salaries, specifically authorized in writing by University's Representative, for employees employed at the Project site, or at fabrication sites off the Project site, incurred as a result of the performance of the Extra Work.
- .4 Fringe Benefits and Payroll Taxes for overtime Work specifically authorized in writing by University's Representative, for employees employed at the Project site, or at fabrication sites off the Project site, incurred as a result of the performance of the Extra Work.
- .5 Costs of materials and consumable items which are furnished and incorporated into the Extra Work, as approved by University's Representative. Such costs shall be charged at the lowest price available to Contractor but in no event shall such costs exceed competitive costs obtainable from other subcontractors, suppliers, manufacturers, and distributors in the area of the Project site. All discounts, rebates, and refunds and all returns from sale of surplus materials and consumable items shall accrue to University and Contractor shall make provisions so that they may be obtained.
- .6 Sales taxes on the costs of materials and consumable items which are incorporated into and used in the performance of the Extra Work pursuant to Article 7.3.2.5 above.
- .7 Rental charges for necessary machinery and equipment, whether owned or hired, as authorized in writing by University's Representative, exclusive of hand tools, used directly in the performance of the Extra Work. Such rental charges shall not exceed the current Equipment Rental Rates published by the California Department of Transportation for the area in which the work is performed. Such rental rates are found at <http://www.dot.ca.gov/hq/construc/equipmnt.html>. Contractor shall attach a copy of said schedule to the Cost Proposal. The charges for any machinery and equipment shall cease when the use thereof is no longer necessary for the Extra Work.
- .8 Additional costs of royalties and permits due to the performance of the Extra Work.
- .9 The cost for Insurance and Bonds shall not exceed 2% of items .1 through .8 above.

University and Contractor may agree upon rates to be charged for any of the items listed in this Article 7.3.2. Such agreed upon rates shall be subject to audit pursuant to Article 15.7. Contractor shall promptly refund to University any amounts (including associated mark-ups) in excess of the actual costs of such items.

7.3.3 Cost of Extra Work shall not include any of the following:

- .1 Supervision.
- .2 Superintendent(s).
- .3 Assistant Superintendent(s).
- .4 Project Engineer(s).
- .5 Project Manager(s).

- .6 Scheduler(s).
- .7 Estimator(s).
- .8 Small tools (Replacement value does not exceed \$300).
- .9 Office expenses including staff, materials and supplies.
- .10 On-site or off-site trailer and storage rental and expenses.
- .11 Site fencing.
- .12 Utilities including gas, electric, sewer, water, telephone, facsimile, copier equipment.
- .13 Data processing personnel and equipment.
- .14 Federal, state, or local business income and franchise taxes.
- .15 Overhead and Profit.
- .16 Costs and expenses of any kind or item not specifically and expressly included in Article 7.3.2.

7.3.4 The term "Contractor Fee" shall mean the full amount of compensation, both direct and indirect (including without limitation all overhead and profit), to be paid to Contractor for its own Work and the Work of all Subcontractors, for all costs and expenses not included in the Cost of Extra Work, whether or not such costs and expenses are specifically referred to in Article 7.3.3. The Contractor Fee shall not be compounded.

The Contractor Fee shall be computed as follows:

- .1 Fifteen percent (15%) of the cost of that portion of the Extra Work to be performed by the prime contractor with its own forces.
- .2 Fifteen percent (15%) of the cost of that portion of the Work to be performed by a Subcontractor with its own forces, plus 5% for the prime contractor. Total combined Contractor and Subcontractor fee shall not exceed 20%.
- .3 Fifteen percent (15%) of the cost of that portion of the Work to be performed by a sub-subcontractor with its own forces, or any lower tier of Subcontractor, plus 5% for the Subcontractor, plus 5% for the prime contractor. Total combined Contractor, Subcontractor and all sub-subcontractor fee shall not exceed 25%.

7.3.5 Compensation for Extra Work shall be computed on the basis of one or more of the following:

- .1 Where the Work involved is covered by Unit Prices contained in the Contract Documents, by application of the Unit Prices to the quantities of the items involved.
- .2 Where Unit Prices are not applicable, a mutually agreed upon lump sum supported by a Cost Proposal pursuant to 7.3.1.
- .3 Where Contractor and University cannot agree upon a lump sum, by Cost of Extra Work plus Contractor Fee applicable to such Extra Work.

7.3.6 As a condition to Contractor's right to an adjustment of the Contract Sum pursuant to Article 7.3.5.3, Contractor must keep daily detailed and accurate records itemizing each element of cost and shall provide substantiating records and documentation, including time cards and invoices. Such records and documentation shall be submitted to University's Representative on a daily basis.

7.3.7 For Work to be deleted by Change Order, the reduction of the Contract Sum shall be computed on the basis of one or more of the following:

- .1 Unit Prices stated in the Contract Documents.
- .2 Where Unit Prices are not applicable, a lump sum agreed upon by University and Contractor, based upon the actual costs which would have been incurred in performing the deleted portions of the Work as calculated in accordance with Articles 7.3.2 and 7.3.3, supported by a Cost Proposal pursuant to Article 7.3.1.

7.3.8 If any one Change involves both Extra Work and Deleted Work in the same portion of the Work, a Contractor fee will not be allowed if the deductive cost exceeds the additive cost. If the additive cost exceeds the deductive cost, a Contractor Fee will be allowed only on the difference between the two amounts.

7.3.9 The Contract Sum will be adjusted for a delay if, and only if, Contractor demonstrates that all of the following three conditions are met:

- .1 Condition Number One: The delay results in an extension of the Contract Time pursuant to Article 8.4.1.
- .2 Condition Number Two: The delay is caused solely by one or more of the following:
 - .1 An error or omission in the Contract Documents; or
 - .2 University's decision to change the scope of the Work, where such decision is not the result of any default or misconduct of Contractor; or
 - .3 University's decision to suspend the Work, where such decision is not the result of any default or misconduct of Contractor; or
 - .4 The failure of University (including University acting through its consultants, Design Professionals, Separate Contractors or University's Representative) to perform any Contract obligation where the failure to so perform is not the result of any default or misconduct of Contractor.
 - .5 A materially differing site condition pursuant to Article 3.17.
- .3 Condition Number Three: The delay is not concurrent with a delay caused by an event other than those listed in Article 7.3.9.2.

7.3.10 For each day of delay that meets all three conditions prescribed in Article 7.3.9 the Contract Sum will be adjusted by the daily rate included in the Agreement and specifically identified as the rate to be paid to Contractor for Compensable Delays. Pursuant to Article 9.7.4, said daily rate shall not apply to delays occurring after Substantial Completion.

7.3.11 Except as provided in Articles 7 and 8, Contractor shall have no claim for damage or compensation for any delay, interruption, hindrance, or disruption.

7.3.12 If for any reason one or more of the conditions prescribed in Article 7.3.9 is held legally unenforceable, the remaining conditions must be met as a condition to obtaining an adjustment of the Contract Time under Article 7.3.10.

7.4 FIELD ORDERS

7.4.1 Field Orders issued by University Representative shall be subject to the following:

- .1 A Field Order may state that it does or does not constitute a change in the Work.
- .2 If the Field Order states that it does not constitute a change in the Work and Contractor asserts that the Field Order constitutes a change in the Work, in order to obtain an adjustment of the Contract Sum or Contract Time for the Work encompassed by the Field Order, Contractor must follow all procedures set forth in Article 4, starting with the requirement of submitting a timely Change Order Request within 7 days of Contractor's receipt of the Field Order; failure to strictly follow those procedures is a bar to any Claim for an adjustment of the Contract Sum or Contract Time arising from performance of the Work described in the Field Order.
- .3 If the Field Order states that it does constitute a change in the Work, the Work described in the Field Order shall be considered Extra Work and Contractor shall be entitled to an adjustment of the Contract Sum and Contract Time, calculated under and subject to Contractor's compliance with the procedures for verifying and substantiating costs and delays in Articles 7 and 8.
- .4 In addition, if the Field Order states that it does constitute a change in the Work, the Field Order may or may not contain University's estimate of adjustment of Contract Sum and/or Contract Time. If the Field Order contains an estimate of adjustment of Contract Sum or Contract Time, the Field Order is subject to the following:
 - .1 Contractor shall not exceed University's estimate of adjustment to Contract Sum or Contract Time without prior written notification to University's Representative.
 - .2 If Contractor asserts that the change in the Work encompassed by the Field Order may entitle Contractor to an adjustment of Contract Sum or Contract Time in excess of University's estimate, in order not to be bound by University's estimate Contractor must follow all procedures set forth in Article 4, starting with the requirement of submitting a timely Change Order Request within 7 days of Contractor's receipt of the Field Order; failure to strictly follow those procedures is a bar to any Claim for an adjustment of the Contract Sum or Contract Time, in excess of University's estimate, arising from performance of the Work described in the Field Order.

7.4.2 Upon receipt of a Field Order, Contractor shall promptly proceed to perform the Work as ordered in the Field Order notwithstanding any disagreement by Contractor concerning whether the Work is extra.

7.5 VARIATION IN QUANTITY OF UNIT PRICE WORK

7.5.1 University has the right to increase or decrease the quantity of any Unit price item for which an Estimated Quantity is stated in the Bid Form.

7.6 WAIVER

7.6.1 A waiver of or failure by University or University's Representative to enforce any requirement in this Article 7, including without limitation the requirements in Articles 7.3.6, 7.3.8, 7.3.9, 7.3.10, 7.3.11, or 7.3.12 in connection with any adjustment of the Contract Sum, will not constitute a waiver of, and will not preclude University or University's Representative from enforcing, such requirements in connection with any other adjustments of the Contract Sum.

7.6.2 Contractor agrees and understands that no oral approval, either express or implied, of any adjustment of the Contract Sum by University or its agents shall be binding upon University unless and until such approval is ratified by execution of a written Change Order.

ARTICLE 8 **CONTRACT TIME**

8.1 COMMENCEMENT OF THE WORK

8.1.1 The date of commencement of the Work shall be set forth in the Notice to Proceed. The date of commencement of the Work shall not be postponed by the failure of Contractor, Subcontractors, or of persons or firms for whom Contractor is responsible, to act.

8.2 PROGRESS AND COMPLETION

8.2.1 By signing the Agreement:

- .1 Contractor represents to University that the Contract Time is reasonable for performing the Work and that Contractor is able to perform the Work within the Contract Time.
- .2 Contractor agrees that University is purchasing the right to have Contractor present on the Project site for the full duration of the Contract Time, even if Contractor could finish the Contract in less than the Contract Time.

8.2.2 Contractor shall not, except by agreement or instruction of University in writing, commence operations on the Project site or elsewhere prior to the effective date of insurance required by Article 11 to be furnished by Contractor. The dates of commencement and Final Completion of the Work shall not be changed by the effective date of such insurance.

8.2.3 Contractor shall proceed expeditiously with adequate forces and shall achieve full completion of the Work within the Contract Time. If University's Representative determines and notifies Contractor that Contractor's progress is such that Contractor will not achieve full completion of the Work within the Contract Time, Contractor shall immediately and at no additional cost to University, take all measures necessary, including working such overtime, additional shifts, Sundays, or holidays as may be required to ensure that the Work is fully completed within the Contract Time. Upon receipt of such notice from University's representative, Contractor shall immediately notify University's Representative of all measures to be taken to ensure full completion of the Work within the Contract Time. Contractor shall reimburse University for any extra costs or expenses (including the reasonable value of any services provided by University's employees) incurred by University as the result of such measures.

8.3 DELAY

8.3.1 Except and only to the extent provided otherwise in Articles 7 and 8, by signing the Agreement, Contractor agrees:

- .1 to bear the risk of delays to the Work; and
- .2 that Contractor's bid for the Contract was made with full knowledge of this risk.

In agreeing to bear the risk of delays to the Work, Contractor understands that, except and only to the extent provided otherwise in Articles 7 and 8, the occurrence of events that delay the Work shall not excuse Contractor from its obligation to achieve Final Completion of the Work within the Contract Time, and shall not entitle Contractor to an adjustment of the Contract Sum.

8.4 ADJUSTMENT OF THE CONTRACT TIME FOR DELAY

8.4.1 Subject to Article 8.4.2, the Contract Time will be extended for each day of delay for which Contractor demonstrates that all of the following four conditions have been met; a time extension will not be granted for any day of delay for which Contractor fails to demonstrate compliance with the four conditions:

- .1 Condition Number One: The delay is critical. A delay is critical if and only to the extent it delays a work activity that cannot be delayed without delaying Final Completion of the Work beyond the Contract Time. Under this Article 8.4.1.2, if the Contract Schedule shows Final Completion of the Work before expiration of the Contract Time, a delay is critical if and only to the extent the delay pushes Final Completion of the Work to a date that is beyond the Contract Time.
- .2 Condition Number Two: Within 7 days of the date Contractor discovers or reasonably should discover an act, error, omission or unforeseen condition or event causing the delay, is likely to have an impact on the critical path of the Project (even if Contractor has not yet been delayed when Contractor discovers or reasonably should discover the critical path impact of the act, error, omission or unforeseen condition giving rise to the delay) Contractor submits both a timely and complete Change Order Request that meets the requirements of Article 4.2.
- .3 Condition Number Three: The delay is not caused by:
 - .1 A concealed, unforeseen or unknown condition or event except for a materially differing site condition pursuant to Article 3.17; or
 - .2 The financial inability, misconduct or default of Contractor, a Subcontractor or supplier; or
 - .3 The unavailability of materials or parts.
- .4 Condition Number Four: The delay is caused by:
 - .1 Fire; or
 - .2 Strikes, boycotts, or like obstructive actions by labor organizations; or
 - .3 Acts of God (As used herein, "Acts of God" shall include only earthquakes in excess of a magnitude of 3.5 on the Richter Scale and tidal waves); or
 - .4 A materially differing site condition pursuant to Article 3.17; or
 - .5 An error or omission in the Contract; or
 - .6 University's decision to change the scope of the Work, where such decision is not the result of any default or misconduct of Contractor; or
 - .7 University's decision to suspend the Work, where such decision is not the result of any default or misconduct of Contractor; or
 - .8 The failure of University (including University acting through its consultants, Design Professionals, Separate Contractors or University's Representative) to perform any Contract obligation unless such failure is due to Contractor's default or misconduct; or
 - .9 "Adverse weather," but only for such days of adverse weather, or on-site conditions caused by adverse weather, that are in excess of the number of days specified in the Supplementary Conditions. In order for a day to be considered a day of adverse weather for the purpose of determining whether Contractor is entitled to an adjustment in Contract Time, both of the following conditions must be met:
 - .1 the day must be a day in which, as a result of adverse weather, less than one half day of critical path work is performed by Contractor; and
 - .2 the day must be identified in the Contract Schedule as a scheduled work day.

8.4.2 If and only if a delay meets all four conditions prescribed in Article 8.4.1, then a time extension will be granted for each day that Final Completion of the Work is delayed beyond the Contract Time, subject to the following:

- .1 When two or more delays (each of which meet all four conditions prescribed in Article 8.4.1) occur concurrently on the same day, and each such concurrent delay by itself without consideration of the other delays would be critical, then all such concurrent delays shall be considered critical. For the purpose of determining whether and to what

extent the Contract Time should be adjusted pursuant to Article 8.4.2, such concurrent critical delays shall be treated as a single delay for each such day.

- .2 Contractor shall be entitled to a time extension for a day of delay that meets all four requirements of Article 8.4.1 if the delay is concurrent with a delay that does not meet all four conditions of Article 8.4.1.

8.4.3 If for any reason one or more of the four conditions prescribed in Article 8.4.1 is held legally unenforceable, then all remaining conditions must be met as a condition to obtaining an extension of the Contract Time under Article 8.4.2.

8.5 COMPENSATION FOR DELAY

8.5.1 To the maximum extent allowed by law, any adjustment of the Contract Sum as the result of delays shall be limited to the amounts specified in Article 7. Such adjustment shall, to the maximum extent allowed by law, constitute payment in full for all delay related costs (including costs for disruption, interruption and hindrance, general conditions, on and off-site overhead and profit) of Contractor, its Suppliers and Subcontractors of all tiers and all persons and entities working under or claiming through Contractor in connection with the Project.

8.5.2 By signing the Agreement, the parties agree that University is buying the right to do any or all of the following, which are reasonable and within the contemplation of the parties:

- .1 To order changes in the Work, regardless of the extent and number of changes, including without limitation:
- .1 Changes to correct errors or omissions, if any, in the Contract Documents.
 - .2 Changes resulting from University's decision to change the scope of the Work subsequent to execution of the Contract.
 - .3 Changes due to unforeseen conditions.
- .2 To suspend the Work or any part thereof.
- .3 To delay the Work, including without limitation, delays resulting from the failure of University or University's Representative to timely perform any Contract obligation and delays for University's convenience.

8.6 WAIVER

8.6.1 A waiver of or failure by University or University's Representative to enforce any requirement in this Article 8, including without limitation the requirements in Article 8.4, in connection with any or all past delays shall not constitute a waiver of, and shall not preclude University or University's Representative from enforcing, such requirements in connection with any present or future delays.

8.6.2 Contractor agrees and understands that no oral approval, either express or implied, of any time extension by University or its agents shall be binding upon University unless and until such approval is ratified by execution of a written Change Order.

See Supplementary Conditions

ARTICLE 9 PAYMENTS AND COMPLETION

9.1 COST BREAKDOWN

9.1.1 Within 10 days after receipt of the Notice of Selection as the apparent lowest responsible Bidder, and with the Agreement, Contractor shall submit to University's Representative a Cost Breakdown of the Contract Sum in the form contained in the Exhibits. The Cost Breakdown shall itemize as separate line items the cost of each Work Activity and all associated costs, including but not limited to warranties, as-built documents, overhead expenses, and the total allowance for profit. Insurance and bonds shall each be listed as separate line items. The total of all line items shall equal the Contract Sum. The Cost Breakdown, when approved by University's Representative, shall become the basis for determining the cost of Work performed for Contractor's Applications for Payment.

9.2 PROGRESS PAYMENT

9.2.1 University agrees to pay monthly to Contractor, subject to Article 9.4.3, an amount equal to 95% of the sum of the following:

- .1 Cost of the Work in permanent place as of the date of Contractor's Application for Payment.
- .2 Plus cost of materials not yet incorporated in the Work, subject to Article 9.3.5.
- .3 Less amounts previously paid.

Under this Article 9.2.1, University may but is not required, to pay Contractor more frequently than monthly.

9.2.2 After Substantial Completion and subject to Article 9.4.3, University will make any of the remaining progress payments in full.

9.3 APPLICATION FOR PAYMENT

9.3.1 On or before the 10th day of the month or such other date as is established by the Contract Documents, Contractor shall submit to University's Representative an itemized Application for Payment, for the cost of the Work in permanent place, as approved by University's Representative, which has been completed in accordance with the Contract Documents, less amounts previously paid.

The Application for Payment shall be prepared as follows:

- .1 Use the form contained in the Exhibits.
- .2 Itemize in accordance with the Cost Breakdown.
- .3 Include such data substantiating Contractor's right to payment as University's Representative may reasonably require, such as invoices, certified payrolls, daily time and material records, and, if securities

- are deposited in lieu of retention pursuant to Article 9.5, a certification of the market value of all such securities as of a date not earlier than 5 days prior to the date of the Application for Payment.
- .4 Itemize retention.

9.3.2 Applications for Payment shall not include requests for payment on account of (1) changes which have not been authorized by Change Orders or (2) amounts Contractor does not intend to pay a Subcontractor because of a dispute or other reason.

9.3.3 If required by University, an Application for Payment shall be accompanied by (1) a summary showing payments that will be made to Subcontractors covered by such application and conditional releases upon progress payment or final payment and (2) unconditional waivers and releases of claims and stop payment notices, in the form contained in the Exhibits, from each Subcontractor listed in the preceding Application for Payment covering sums disbursed pursuant to that preceding Application for Payment.

9.3.4 Contractor warrants that, upon submittal of an Application for Payment, all Work, for which Certificates for Payment have been previously issued and payment has been received from University, shall be free and clear of all claims, stop payment notices, security interests, and encumbrances in favor of Contractor, Subcontractors, or other persons or firms entitled to make claims by reason of having provided labor, materials, or equipment relating to the Work.

9.3.5 At the sole discretion of University, University's Representative may approve for inclusion in the Application for Payment the cost of materials not yet incorporated in the Work but already delivered and suitably stored either at the Project site or at some other appropriate location acceptable to University's Representative. In such case, Contractor shall furnish evidence satisfactory to University's Representative (1) of the cost of such materials and (2) that such materials are under the exclusive control of Contractor. Only materials to be incorporated in the Work will be considered for payment. Any payment shall not be construed as acceptance of such materials nor relieve Contractor from sole responsibility for the care and protection of such materials; nor relieve Contractor from risk of loss to such materials from any cause whatsoever; nor relieve Contractor from its obligation to complete the Work in accordance with the Contract; nor act as a waiver of the right of University to require fulfillment of all terms of the Contract. Nothing contained within this Article 9.3.5 shall be deemed to obligate University to agree to payment for any non-incorporated materials or any part thereof, payment being in the sole and absolute discretion of University.

9.4 CERTIFICATE FOR PAYMENT

9.4.1 If Contractor has submitted an Application for Payment in accordance with Article 9.3, University's Representative shall, not later than 5 working days after the date of receipt of the Application for Payment, issue to University, with a copy to Contractor, a Certificate for Payment for such amount as University's Representative determines to be properly due.

9.4.2 If any such Application for Payment is determined not to be in accordance with Article 9.3, University will inform Contractor as soon as practicable, but not later than 5 working days after receipt. Thereafter, Contractor shall have 3 days to revise and resubmit such Application for Payment; otherwise University's Representative may issue a Certificate for Payment in the amount that University's Representative determines to be properly due without regard to such Application for Payment.

9.4.3 Approval of all or any part of an Application for Payment may be withheld, a Certificate for Payment may be withheld, and all or part of a previous Certificate for Payment may be nullified and that amount withheld from a current Certificate for Payment on account of any of the following:

- .1 Defective Work not remedied.
- .2 Third-party claims against Contractor or University arising from the acts or omissions of Contractor or Subcontractors.
- .3 Stop payment notices.
- .4 Failure of Contractor to make timely payments due Subcontractors for material or labor.
- .5 A reasonable doubt that the Work can be completed for the balance of the Contract Sum then unpaid.
- .6 Damage to University or Separate Contractor for which Contractor is responsible.
- .7 Reasonable evidence that the Work will not be completed within the Contract Time; and that the unpaid balance of the Contract Sum would not be adequate to cover University's damages for the anticipated delay.
- .8 Failure of Contractor to maintain and update as-built documents.
- .9 Failure of Contractor to submit schedules or their updates as required by the Contract Documents.
- .10 Failure to provide conditional or unconditional releases from any Subcontractor or supplier, if such waiver(s) have been requested by University's Representative.
- .11 Performance of Work by Contractor without properly processed Shop Drawings.
- .12 Liquidated damages assessed in accordance with Article 5 of the Agreement.
- .13 Failure to provide updated Reports of Subcontractor Information and Self-Certifications, as applicable.
- .14 Failure to provide a Final Distribution of Contract Dollars with final Application for Payment.
- .15 Any other failure of Contractor to perform its obligations under the Contract Documents.

9.4.4 Subject to the withholding provisions of Article 9.4.3, University will pay Contractor the amount set forth in the Certificate for Payment no later than 10 days after the issuance of the Certificate for Payment.

9.4.5 Neither University nor University's Representative will have an obligation to pay or to see to the payment of money to a Subcontractor, except as may otherwise be required by law.

9.4.6 Neither a Certificate for Payment nor a progress payment made by University will constitute acceptance of Defective Work.

9.5 DEPOSIT OF SECURITIES IN LIEU OF RETENTION AND DEPOSIT OF RETENTION INTO ESCROW

9.5.1 At the request and expense of Contractor, a substitution of securities may be made for any monies retained by University under Article 9.2 to ensure performance under the Contract Documents. Securities equivalent in value to the retention amount required by the Contract Documents for each Certificate for Payment shall be deposited by Contractor with a state or federally chartered bank in

the State of California ("Escrow Agent"), which shall hold such securities pursuant to the escrow agreement referred to in Article 9.5.3 until retention is due in accordance with Article 9.8. Securities shall be valued as often as conditions of the securities market warrant, but in no case less than once per month. Contractor shall deposit additional securities so that the current market value of the total of all deposited securities shall be at least equal to the total required amount of retention.

9.5.2 Alternatively to Article 9.5.1, and at the request and expense of Contractor, University will deposit retention directly with Escrow Agent. Contractor may direct the investment of such deposited retention into interest bearing accounts or securities, and such deposits or securities shall be held by Escrow Agent upon the same terms provided for securities deposited by Contractor. Contractor and its surety shall bear the risk of failure of the Escrow Agent selected.

9.5.3 A prerequisite to the substitution of securities in lieu of retention or the deposit of retention into escrow shall be the execution by Contractor, University, and Escrow Agent of an Escrow Agreement for Deposit of Securities in Lieu of Retention and Deposit of Retention in the form contained in the Exhibits. Contractor shall submit the Selection of Retention Options and the Escrow Agreement for Deposit of Securities in Lieu of Retention and Deposit of Retention not later than the date when 50% of the Work has been completed. The terms of such escrow agreement are incorporated into the requirements of this Article 9.5.

9.6 BENEFICIAL OCCUPANCY

9.6.1 University reserves the right, at its option and convenience, to occupy or otherwise make use of any part of the Work at any time prior to Substantial Completion or Final Completion upon 10 days' notice to Contractor. Such occupancy or use is herein referred to as "Beneficial Occupancy." Beneficial Occupancy shall be subject to the following conditions:

- .1 University's Representative will make an inspection of the portion of the Project to be beneficially occupied and prepare a list of items to be completed or corrected prior to Final Completion. Prior to Beneficial Occupancy, University will issue a Certificate of Beneficial Occupancy on University's form.
- .2 Beneficial Occupancy by University shall not be construed by Contractor as an acceptance by University of that portion of the Work which is to be occupied.
- .3 Beneficial Occupancy by University shall not constitute a waiver of existing claims of University or Contractor against each other.
- .4 Contractor shall provide, in the areas beneficially occupied and on a 24 hour and 7 day week basis as required, utility services, heating, and cooling for systems which are in operable condition at the time of Beneficial Occupancy. All responsibility for the operation and maintenance of equipment shall remain with Contractor while the equipment is so operated. Contractor shall submit to University an itemized list of each piece of equipment so operated with the date operation commences.
- .5 The Guarantee to Repair Periods, as defined in Article 12.2, will commence upon the occupancy date stated in the Certificate of Beneficial Occupancy except that the Guarantee to Repair Periods for that part of equipment or systems that serve portions of the Work for which University has not taken Beneficial Occupancy or issued a Certificate of Substantial Completion shall not commence until University has taken Beneficial Occupancy for that portion of the Work or has issued a Certificate of Substantial Completion with respect to the entire Project.
- .6 University will pay all normal operating and maintenance costs resulting from its use of equipment in areas beneficially occupied.
- .7 University will pay all utility costs which arise out of the Beneficial Occupancy.
- .8 Contractor shall not be responsible for providing security in areas beneficially occupied.
- .9 University will use its best efforts to prevent its Beneficial Occupancy from interfering with the conduct of Contractor's remaining Work.
- .10 Contractor shall not be required to repair damage caused by University in its Beneficial Occupancy.
- .11 Except as provided in this Article 9.6, there shall be no added cost to University due to Beneficial Occupancy.
- .12 Contractor shall continue to maintain all insurance required by the Contract in full force and effect.

9.7 SUBSTANTIAL COMPLETION

9.7.1 "Substantial Completion" means the stage in the progress of the Work, as determined by University's Representative, when the Work is complete and in accordance with the Contract Documents except only for completion of minor items which do not impair University's ability to occupy and fully utilize the Work for its intended purpose and a Certificate of Occupancy has been issued by University.

9.7.2 When Contractor gives notice to University's Representative that the Work is substantially complete, unless University's Representative determines that the Work is not sufficiently complete to warrant an inspection to determine Substantial Completion, University's Representative will inspect the Work. If University's Representative determines that the Work is not substantially completed, University's Representative will prepare and give to Contractor a comprehensive list of items to be completed or corrected before establishing Substantial Completion. Contractor shall proceed promptly to complete and correct items on the list. Failure to include an item on such list does not alter the responsibility of Contractor to complete all Work in accordance with the Contract Documents. Upon notification that the items on the list are completed or corrected, as applicable, University's Representative will make an inspection to determine whether the Work is substantially complete. Costs for additional inspection by University's Representative shall be deducted from any monies due and payable to Contractor.

9.7.3 When University's Representative determines that the Work is substantially complete, University's Representative will arrange for inspection by University's Building Official and other officials, as appropriate, for the purpose of issuing a Certificate of Occupancy. After a Certificate of Occupancy has been issued by University, University's Representative will prepare a Certificate of Substantial Completion on University's form as contained in the Exhibits, which, when signed by University, shall establish the date of Substantial Completion and the responsibilities of University and Contractor for security, maintenance, utilities, insurance, and damage to the Work.

University's Representative will prepare and furnish to Contractor a comprehensive "punch list" of items to be completed or corrected prior to Final Completion.

9.7.4 Unless otherwise provided in the Certificate of Substantial Completion, the Guarantee to Repair Period for the Work covered by the Certificate of Substantial Completion, shall commence on the date of Substantial Completion of the Work except that Substantial Completion shall not commence the Guarantee to Repair Period for any equipment or systems that:

- .1 Are not operational (equipment or systems shall not be considered operational if they cannot be used to provide the intended service); or
- .2 Are not accepted by University.

The Guarantee to Repair Period for equipment or systems which become operational and accepted subsequent to Substantial Completion will begin on the date of their written acceptance by University.

9.7.5 The daily rate included in the Agreement and specifically identified as the rate to be paid to Contractor for Compensable Delays shall not apply to any delays occurring after the Work is substantially completed.

9.8 FINAL COMPLETION, FINAL PAYMENT, AND RELEASE OF RETENTION

9.8.1 Upon receipt of notice from Contractor that the Work is ready for final inspection, University's Representative will make such inspection. Final Completion shall be when University's Representative determines that the Work is fully completed and in accordance with the Contract Documents, including without limitation, satisfaction of all "punch list" items, and determines that a Certificate of Occupancy has been issued by the University. University will file a Notice of Completion within 15 days after Final Completion. After receipt of the final Application for Payment, if University's Representative determines that Final Completion has occurred, University's Representative will issue the final Certificate for Payment.

9.8.2 Final payment and retention shall be released to Contractor, as set forth in Article 9.8.3, after:

- .1 Contractor submits the final Application for Payment and all submittals required in accordance with Article 9.3;
- .2 Contractor submits all guarantees and warranties procured by Contractor from Subcontractors, all operating manuals for equipment installed in the Project, as-built documents, and all other submittals required by the Contract Documents;
- .3 Contractor submits the Final Distribution of Contract Dollars in the form contained in the Exhibits; and
- .4 University's Representative issues the final Certificate for Payment.

At its sole discretion, after Final Completion, University may waive the requirement that Contractor submit a final Application for Payment before making final payment and/or release of retention to Contractor.

9.8.3 Final payment shall be paid not more than 10 days after University's Representative issues the final Certificate for Payment. Retention shall be released to Contractor 35 days after the filing of the Notice of Completion.

9.8.4 Acceptance of final payment by Contractor shall constitute a waiver of all claims, except claims for retention and claims previously made in writing and identified by Contractor as unsettled at the time of the final Application for Payment.

ARTICLE 10 **PROTECTION OF PERSONS AND PROPERTY**

10.1 SAFETY PRECAUTIONS AND PROGRAMS

10.1.1 Contractor shall be solely responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the performance of the Contract.

10.2 SAFETY OF PERSONS AND PROPERTY

10.2.1 Contractor shall take adequate precautions for safety of and shall provide adequate protection to prevent damage, injury, or loss to the following:

- .1 Employees involved in the Work and other persons who may be affected thereby.
- .2 The Work in place and materials and equipment to be incorporated therein, whether in storage on or off the Project site, under care, custody, or control of Contractor or Subcontractors.
- .3 Other property at the Project site and adjoining property.

10.2.2 Contractor shall erect and maintain, as required by existing conditions and performance of the Work, adequate safeguards for safety and protection, including providing adequate lighting and ventilation, posting danger signs and other warnings against hazards, promulgating safety regulations, and notifying owners and users of adjacent sites and utilities.

10.2.3 When use or storage of explosives, other hazardous materials, equipment, or unusual methods are necessary for execution of the Work, Contractor shall exercise the utmost care and carry on such activities only under the supervision of properly qualified personnel.

10.2.4 Contractor shall designate a responsible member of Contractor's organization at the Project site whose duty shall be the prevention of accidents. That person shall be the Superintendent, unless otherwise designated by Contractor in writing to University and University's Representative.

10.2.5 Contractor shall not load or permit any part of the Work or the Project site to be loaded so as to endanger the safety of persons or property.

10.3 EMERGENCIES

10.3.1 In an emergency affecting the safety of persons or property, Contractor shall act to prevent or minimize damage, injury, or loss. Contractor shall promptly notify University's Representative, which notice may be oral followed by written confirmation, of the occurrence of such an emergency and Contractor's action.

ARTICLE 11 **INSURANCE AND BONDS**

11.1 CONTRACTOR'S INSURANCE

11.1.1 Contractor shall, at its expense, purchase and maintain in full force and effect such insurance as will protect itself and University from claims, such as for bodily injury, wrongful death, and property damage, which may arise out of or result from the Work required by the Contract Documents, whether such Work is done by Contractor, by any Subcontractor, by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable. The amounts of such insurance and any additional insurance requirements are specified in the Supplementary Conditions. See Article 3.21 regarding the scope and extent of Contractor's liability for and repair of damaged Work.

11.1.2 The following policies and coverages shall be furnished by Contractor:

- .1 COMMERCIAL GENERAL LIABILITY INSURANCE subject to terms no less broad than the Insurance Services Office's (ISO) form CG 0001 (2004 or later edition), or a substitute form providing coverage at least as broad as the ISO form specified, covering all Work done by or on behalf of Contractor and providing insurance for bodily injury, wrongful death, personal injury, property damage, and contractual liability. There shall be no limitations or exclusions of coverage beyond those contained in the standard ISO form CG 0001 (2004 or later edition). Except with respect to bodily injury and property damage included within the products and completed operations hazards, the aggregate limit shall apply separately to Work required of Contractor by these Contract Documents. Contractor shall continue to maintain Products/Completed Operations liability insurance coverage for a minimum completed operations period of 10 year(s) or the applicable Statute of Repose as provided by the law of the jurisdiction where the project is located as shown in the policy(ies), whichever is less. All terms and conditions of such coverage shall be maintained during this completed operations period, including the required minimum coverage limits and the requirement to provide the University with coverage as an additional insured for completed operations as specified under this Article 11.1 and the Supplementary Conditions.
- .2 BUSINESS AUTOMOBILE LIABILITY INSURANCE subject to terms no less broad than the Insurance Services Office's (ISO) form CA 0001 (1990 or later edition), or a substitute form providing coverage at least as broad as the ISO form specified, covering owned, hired, leased, and non-owned automobiles used by or on behalf of Insured, and providing liability insurance for bodily injury and property damage arising from the use or operation of such auto(s) with a minimum combined single limit of not less than \$1,000,000 per accident. The minimum limits required may be satisfied by combination of primary and umbrella/excess policies. The Commercial Automobile Liability Insurance shall be provided by Contractor for all on site and off site Work.
- .3 WORKERS' COMPENSATION AND EMPLOYER'S LIABILITY INSURANCE as required by Federal and State of California law. Contractor shall also require all of its Subcontractors to maintain this insurance coverage.

See Supplementary Conditions

11.1.3 The coverages required under this Article 11 shall not in any way limit the liability of Contractor.

11.1.4 Contractor's Certificates of Insurance, executed by a duly authorized representative of each broker of record or each insurer as evidence of the insurance required by these Contract Documents and on the form contained in the Exhibits, shall be submitted by Contractor to University prior to the commencement of Work by the Contractor. The Certificates of Insurance shall provide for no cancellation or modification of coverage without prior written notice to University, in accordance with policy provisions.

11.1.5 In the event Contractor does not comply with these insurance requirements, University may, at its option, provide insurance coverage to protect University; and the cost of such insurance shall be paid by Contractor and may be deducted from the Contract Sum.

11.1.6 Contractor's insurance as required by Article 11.1.2, shall, by endorsement to the policies, include the following:

- .1 The Regents of the University of California, The University of California, University, and each of their Representatives, consultants, officers, agents, employees, and each of their Representative's consultants, regardless of whether or not identified in the Contract Documents or to the Contractor in writing, will be included as additional insureds on the Contractor's General Liability insurance for and relating to the Work to be performed by the Contractor and Subcontractors. Additional Insured provision or endorsement shall be at least as broad as the CG 20 07 04 in combination with the CG 20 37 07 04 (or earlier versions of CG 20 10 and CG 20 37 or Form B - CG 20 10 11 85 by itself), as published by Insurance Services Offices (ISO) and shall be included with Certificates of Insurance. The additional insured requirement shall not apply to Worker's Compensation and Employer's Liability insurance.

Further, the amount of insurance available to the University shall be for the full amount of the loss up to the available policy limits and shall not be limited to any minimum requirements stated in the Contract Documents.

- .2 University, University's consultants, University's Representative, and University's Representative's consultants will not by reason of their inclusion as insureds incur liability to the insurance carriers for payment of premiums for such insurance.
- .3 Coverage provided is primary and is not in excess of or contributing with any insurance or self-insurance maintained by University, University's consultants, University's Representative, and University's Representative's consultants. This provision, however, shall only apply as per the stipulations of Article 11.1.6.1.

11.1.7 The form and substance of all insurance policies required to be obtained by Contractor shall be subject to approval by University. All policies required by Articles 11.1.2.1, 11.1.2.2, and 11.1.2.3 shall be issued by companies with ratings and financial classifications as specified in the Supplementary Conditions.

11.1.8 Contractor shall, by mutual agreement with University, furnish any additional insurance as may be required by University. Contractor shall provide Certificates of Insurance evidencing such additional insurance.

11.1.9 The Certificate of Insurance shall show (1) all companies affording coverage and (2) the name of the insured exactly in the manner as shown on the Bid Form. The name of the insured must be the name under which the entity is licensed by the Contractors State License Board.

11.1.10 If insurance company refuses to use the Certificate of Insurance form as contained in the Exhibits, it must provide a Certificate of Insurance evidencing compliance with this Article including those provisions noted under DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES section of the Certificate of Insurance Exhibit by including an endorsement to its Certificate of Insurance form covering those noted provisions exactly as they appear on the Certificate of Insurance Exhibit.

11.1.11 At the request of University, Contractor shall submit to University copies of the policies obtained by Contractor.

11.2 BUILDER'S RISK PROPERTY INSURANCE

11.2.1 If and only if the Contract Sum exceeds \$300,000 at the time of award, University will provide its standard builder's risk property insurance, subject to the deductibles, terms and conditions, exclusions, and limitations as contained in the provisions of the policy. A copy of University's standard builder's risk property insurance policy is available at University's Facility office. In addition, a summary of the provisions of the policy is included as an Exhibit to the Contract. Contractor agrees that University's provision of its standard builder's risk property insurance policy meets University's obligation to provide builder's risk property insurance under the Contract and, in the event of a conflict between the provisions of the policy and any summary or description of the provisions contained herein or otherwise, the provisions of the policy shall control and shall be conclusively presumed to fulfill University's obligation to provide such insurance. The proceeds under such insurance policies taken out by University insuring the Work and materials will be payable to University and Contractor as their respective interests, from time to time, may appear. Contractor shall be responsible for the deductible amount in the event of a loss. In addition, nothing in this Article 11.2 shall be construed to relieve Contractor of full responsibility for loss of or damage to materials not incorporated in the Work, and for Contractor's tools and equipment used to perform the Work, whether on the Project site or elsewhere, or to relieve Contractor of its responsibilities referred to under this Article 11. Materials incorporated in the Work, as used in this Article 11.2, shall mean materials furnished while in transit to, stored at, or in permanent place at the Project site.

11.2.2 Insurance policies referred to under this Article 11.2 shall:

- .1 Include a provision that the policies are primary and do not participate with nor are excess over any other valid collectible insurance carried by Contractor.
- .2 Include a waiver of subrogation against Contractor, its Subcontractors, agents, and employees.

11.2.3 Builder's risk insurance coverage under this Article 11.2 will expire on the date of Final Completion recited in a Notice of Completion filed pursuant to Article 9.8.1. Should a Notice of Completion be filed more than 10 days after the date of Final Completion, the date of Final Completion recited in the Notice of Completion will govern.

11.3 PERFORMANCE BOND AND PAYMENT BOND

11.3.1 Contractor shall furnish bonds covering the faithful performance of the Contract (Performance Bond) and payment of obligations arising thereunder (Payment Bond) on the forms contained in Exhibits 3 and 2.

11.3.2 The Payment Bond and Performance Bond shall each be in the amount of the Contract Sum.

11.3.3 The Payment Bond and Performance Bond shall be in effect on the date the Contract is signed by University.

11.3.4 Contractor shall promptly furnish such additional security as may be required by University to protect its interests and those interests of persons or firms supplying labor or materials to the Work. Contractor shall furnish supplemental Payment and Performance Bonds each in the amount of the current Contract Sum at the request of University.

11.3.5 Surety companies used by Contractor shall be, on the date the Contract is signed by University, an admitted surety insurer (as defined in the California Code of Civil Procedure Section 995.120).

11.3.6 The premiums for the Payment Bond and Performance Bond shall be paid by Contractor.

ARTICLE 12
UNCOVERING AND CORRECTION OF WORK

12.1 UNCOVERING OF WORK

12.1.1 If a portion of the Work is covered contrary to University's Representative's request or direction, or contrary to the requirements of the Contract Documents, it must, if required in writing by University's Representative, be uncovered for University's Representative's observation and be replaced at Contractor's expense without adjustment of the Contract Time or the Contract Sum.

12.1.2 If a portion of the Work has been covered, which is not required by the Contract Documents to be observed or inspected prior to its being covered and which University's Representative has not specifically requested to observe prior to its being covered, University's Representative may request to see such Work and it shall be uncovered and replaced by Contractor. If such Work is in accordance with the Contract Documents, the costs of uncovering and replacing the Work shall be added to the Contract Sum by Change Order; and if the uncovering and replacing of the Work extends the Contract Time, an appropriate adjustment of the Contract Time shall be made by Change Order. If such Work is not in accordance with the Contract Documents, Contractor shall pay such costs and shall not be entitled to an adjustment of the Contract Time or the Contract Sum.

12.2 CORRECTION OF DEFECTIVE WORK AND GUARANTEE TO REPAIR PERIOD

12.2.1 The term "Guarantee to Repair Period" means a period of 1 year, unless a longer period of time is specified, commencing as follows:

- .1 For any Work not described as incomplete in the Certificate of Substantial Completion, on the date of Substantial Completion.
- .2 For space beneficially occupied or for separate systems fully utilized prior to Substantial Completion pursuant to Article 9.6, from the first date of such Beneficial Occupancy or actual use, as established in a Certificate of Beneficial Occupancy.
- .3 For all Work other than .1 or .2 above, from the date of Final Completion.

12.2.2 Contractor shall (1) correct Defective Work that becomes apparent during the progress of the Work or during the Guarantee to Repair Period and (2) replace, repair, or restore to University's satisfaction any other parts of the Work and any other real or personal property which is damaged or destroyed as a result of Defective Work or the correction of Defective Work. Contractor shall promptly commence such correction, replacement, repair, or restoration upon notice from University's Representative or University, but in no case later than 10 days after receipt of such notice; and Contractor shall diligently and continuously prosecute such correction to completion. Contractor shall bear all costs of such correction, replacement, repair, or restoration, and all losses resulting from such Defective Work, including additional testing, inspection, and compensation for University's Representative's services and expenses. Contractor shall perform corrective Work at such times that are acceptable to University and in such a manner as to avoid, to the extent practicable, disruption to University's activities.

12.2.3 If immediate correction of Defective Work is required for life safety or the protection of property and is performed by University or Separate Contractors, Contractor shall pay to University all reasonable costs of correcting such Defective Work. Contractor shall replace, repair, or restore to University's satisfaction any other parts of the Work and any other real or personal property which is damaged or destroyed as a result of such Defective Work or the correction of such Defective Work.

12.2.4 Contractor shall remove from the Project site portions of the Work and materials which are not in accordance with the Contract Documents and which are neither corrected by Contractor nor accepted by University.

12.2.5 If Contractor fails to commence correction of Defective Work within 10 days after notice from University or University's Representative or fails to diligently prosecute such correction to completion, University may correct the Defective Work in accordance with Article 2.4; and, in addition, University may remove the Defective Work and store salvageable materials and equipment at Contractor's expense.

12.2.6 If Contractor fails to pay the costs of such removal and storage as required by Articles 12.2.4 and 12.2.5 within 10 days after written demand, University may, without prejudice to other remedies, sell such materials at auction or at private sale, or otherwise dispose of such material. Contractor shall be entitled to the proceeds of such sale, if any, in excess of the costs and damages for which Contractor is liable to University, including compensation for University's Representative's services and expenses. If such proceeds of sale do not cover costs and damages for which Contractor is liable to University, the Contract Sum shall be reduced by such deficiency. If there are no remaining payments due Contractor or the remaining payments are insufficient to cover such deficiency, Contractor shall promptly pay the difference to University.

12.2.7 Contractor's obligations under this Article 12 are in addition to and not in limitation of its warranty under Article 3.4 or any other obligation of Contractor under the Contract Documents. Enforcement of Contractor's express warranties and guarantees to repair contained in the Contract Documents shall be in addition to and not in limitation of any other rights or remedies University may have under the Contract Documents or at law or in equity for Defective Work. Nothing contained in this Article 12 shall be construed to establish a period of limitation with respect to other obligations of Contractor under the Contract Documents. Establishment of the Guarantee to Repair Period relates only to the specific obligation of Contractor to correct the Work and in no way limits either Contractor's liability for Defective Work or the time within which proceedings may be commenced to enforce Contractor's obligations under the Contract Documents.

ARTICLE 13
TERMINATION OR SUSPENSION OF THE CONTRACT

13.1 TERMINATION BY CONTRACTOR

13.1.1 Subject to Article 13.1.2, Contractor shall have the right to terminate the Contract only upon the occurrence of one of the following:

- .1 Provided that University has not commenced reasonable action to remove any order of a court within the 90 day period, the Work is stopped for 90 consecutive days, through no act or fault of Contractor, any Subcontractor, or any employee or agent of Contractor or any Subcontractor, due to an issuance of an order of a court or other public authority having jurisdiction or due to an act of government, such as a declaration of a national emergency making material unavailable.
- .2 University fails to perform any material obligation under the Contract and fails to cure such default within 30 days, or University has not commenced to cure such default within 30 days where such cure will require a reasonable period beyond 30 days and diligently prosecutes the same to completion, after receipt of notice from Contractor stating the nature of such default(s).
- .3 Repeated suspensions by University, other than such suspensions as are agreed to by Contractor under Article 13.3, which constitute in the aggregate more than 20% of the Contract Time.

13.1.2 Upon the occurrence of one of the events listed in Article 13.1.1, Contractor may, upon 10 days additional notice to University and University's Representative, and provided that the condition giving rise to Contractor's right to terminate is continuing, terminate the Contract.

13.1.3 Upon termination by Contractor, University will pay to Contractor the sum determined by Article 13.4.4. Such payment will be the sole and exclusive remedy to which Contractor is entitled in the event of termination of the Contract by Contractor pursuant to Article 13.1; and Contractor will be entitled to no other compensation or damages and expressly waives the same.

13.2 TERMINATION BY UNIVERSITY FOR CAUSE

13.2.1 University will have the right to terminate the Contract for cause at any time after the occurrence of any of the following events:

- .1 Contractor becomes insolvent or files for relief under the bankruptcy laws of the United States.
- .2 Contractor makes a general assignment for the benefit of its creditors or fails to pay its debts as the same become due.
- .3 A receiver is appointed to take charge of Contractor's property.
- .4 The commencement or completion of any Work activity on the critical path is more than 30 days behind the date set forth in the Contract Schedule for such Work activity, as a result of an Unexcusable Delay. For a Contract with a Contract Time of less than 300 days, the 30-day period shall be reduced to the number of days commensurate with 10% of the Contract Time.
- .5 Contractor abandons the Work.

13.2.2 Upon the occurrence of any of the following events, University will have the right to terminate the Contract for cause if Contractor fails to promptly commence to cure such default and diligently prosecute such cure within 5 days after notice from University, or within such longer period of time as is reasonably necessary to complete such cure:

- .1 Contractor persistently or repeatedly refuses or fails to supply skilled supervisory personnel, an adequate number of properly skilled workers, proper materials, or necessary equipment to prosecute the Work in accordance with the Contract Documents.
- .2 Contractor fails to make prompt payment of amounts properly due Subcontractors after receiving payment from University.
- .3 Contractor disregards Applicable Code Requirements.
- .4 Contractor persistently or materially fails to execute the Work in accordance with the Contract Documents.
- .5 Contractor is in default of any other material obligation under the Contract Documents.
- .6 Contractor persistently or materially fails to comply with applicable safety requirements.

13.2.3 Upon any of the occurrences referred to in Articles 13.2.1 and 13.2.2, University may, at its election and by notice to Contractor, terminate the Contract and take possession of the Project site and all materials, supplies, equipment, tools, and construction equipment and machinery thereon owned by Contractor; accept the assignment of any or all of the subcontracts; and then complete the Work by any method University may deem expedient. If requested by University, Contractor shall remove any part or all of Contractor's materials, supplies, equipment, tools, and construction equipment and machinery from the Project site within 7 days of such request; and if Contractor fails to do so, University may remove or store, and after 90 days sell, any of the same at Contractor's expense.

13.2.4 If the Contract is terminated by University as provided in this Article 13.2, Contractor shall not be entitled to receive any further payment until the expiration of 35 days after Final Completion and acceptance of all Work by University.

13.2.5 If the unpaid balance of the Contract Sum exceeds the cost of completing the Work, including all additional costs and expenses made necessary thereby, including costs for University staff time, plus all losses sustained, including any liquidated damages provided under the Contract Documents, such excess shall be paid to Contractor. If such costs, expenses, losses, and liquidated damages exceed the unpaid balance of the Contract Sum, Contractor shall pay such excess to University.

13.2.6 No termination or action taken by University after termination shall prejudice any other rights or remedies of University provided by law or by the Contract Documents upon such termination; and University may proceed against Contractor to recover all losses suffered by University.

13.3 SUSPENSION BY UNIVERSITY FOR CONVENIENCE

13.3.1 University may, at any time and from time to time, without cause, order Contractor, in writing, to suspend, delay, or interrupt the Work in whole or in part for such period of time, up to 90 days, as University may determine, with such period of suspension to be computed from the date of delivery of the written order. Such order shall be specifically identified as a "Suspension Order" under this Article 13.3. The Work may be stopped for such further period as the parties may agree. Upon receipt of a Suspension Order, Contractor shall, at University's expense, comply with its terms and take all reasonable steps to minimize costs allocable to the Work covered by the Suspension Order during the period of Work stoppage. Within 90 days after the issuance of the Suspension Order, or such extension to that period as is agreed upon by Contractor and University, University shall either cancel the Suspension Order or delete the Work covered by such Suspension Order by issuing a Change Order.

13.3.2 If a Suspension Order is canceled or expires, Contractor shall continue with the Work. A Change Order will be issued to cover any adjustments of the Contract Sum or the Contract Time necessarily caused by such suspension. Any Claim by Contractor for an adjustment of the Contract Sum or the Contract Time shall be made within 21 days after the end of the Work suspension. Contractor agrees that submission of its claim within said 21 days is an express condition precedent to its right to Arbitrate or Litigate such a claim.

13.3.3 The provisions of this Article 13.3 shall not apply if a Suspension Order is not issued by University. A Suspension Order shall not be required to stop the Work as permitted or required under any other provision of the Contract Documents.

13.4 TERMINATION BY UNIVERSITY FOR CONVENIENCE

13.4.1 University may, at its option, terminate this Contract, in whole or from time to time in part, at any time by giving notice to Contractor. Upon such termination, Contractor agrees to waive any claims for damages, including loss of anticipated profits, on account thereof; and, as the sole right and remedy of Contractor, University shall pay Contractor in accordance with Article 13.4.4.

13.4.2 Upon receipt of notice of termination under this Article 13.4, Contractor shall, unless the notice directs otherwise, do the following:

- .1 Immediately discontinue the Work to the extent specified in the notice.
- .2 Place no further orders or subcontracts for materials, equipment, services, or facilities, except as may be necessary for completion of such portion of the Work as is not discontinued.
- .3 Promptly cancel, on the most favorable terms reasonably possible, all subcontracts to the extent they relate to the performance of the discontinued portion of the Work.
- .4 Thereafter do only such Work as may be necessary to preserve and protect Work already in progress and to protect materials, plants, and equipment on the Project site or in transit thereto.

13.4.3 Upon such termination, the obligations of the Contract shall continue as to portions of the Work already performed and, subject to Contractor's obligations under Article 13.4.2, as to bona fide obligations assumed by Contractor prior to the date of termination.

13.4.4 Upon such termination, University shall pay to Contractor the sum of the following:

- .1 The amount of the Contract Sum allocable to the portion of the Work properly performed by Contractor as of the date of termination, less sums previously paid to Contractor.
- .2 Plus an amount equal to the lesser of \$50,000 or 5% of the difference between the Contract Sum and the amount of the Contract Sum allocable to the portion of the Work properly performed by Contractor as of the date of termination.
- .3 Plus previously unpaid costs of any items delivered to the Project site which were fabricated for subsequent incorporation in the Work.
- .4 Plus any proven losses with respect to materials and equipment directly resulting from such termination.
- .5 Plus reasonable demobilization costs.
- .6 Plus reasonable costs of preparing a statement of the aforesaid costs, expenses, and losses in connection with such termination.

The above payment shall be the sole and exclusive remedy to which Contractor is entitled in the event of termination of the Contract by University pursuant to Article 13.4; and Contractor will be entitled to no other compensation or damages and expressly waives same.

ARTICLE 14 **STATUTORY AND OTHER REQUIREMENTS**

14.1 PATIENT HEALTH INFORMATION (if applicable)

Contractor acknowledges that its employees, agents, subcontractors, consultants and others acting on its behalf may come into contact with Patient Health Information ("PHI") while performing work at the Project Site. This contact is most likely rare and brief (e.g. walking through a clinic where patient files may be visible, overhearing conversations between physicians while working or touring a hospital, noticing a relative or acquaintance receiving treatment in a University facility, etc.). Contractor shall immediately notify University Representative of any such contact. Any and all forms of PHI should not be examined closer, copied, photographed, recorded in any manner, distributed or shared. Contractor will adopt procedures to ensure that its employees, agents and subcontractors refrain from such activity. If Contractor, its employees, agents or subcontractors do further examine, copy, photograph, record in any manner, distribute or share this information, Contractor will report such actions immediately to the University Representative. Contractor will immediately take all steps necessary to stop any such actions and will ensure that no further violations of this contractual responsibility will occur. Contractor will report to University Representative within five (5) days after Contractor gives University Representative notice of the event/action of the steps taken to prevent future occurrences.

14.2 NONDISCRIMINATION

14.2.1 For purposes of this Article 14.2, the term Subcontractor shall not include suppliers, manufacturers, or distributors.

14.2.2 Contractor shall comply and shall ensure that all Subcontractors comply with Section 12900 through 12996, of the State of California Government Code.

14.2.3 Contractor agrees as follows during the performance of the Work:

- .1 Contractor shall provide equal treatment to, and shall not willfully discriminate against or allow harassment of any employee or applicant for employment on the basis of: race; color; religion; sex; age; ancestry; national origin; sexual orientation; physical or mental disability; veteran's status; medical condition (as defined in Section 12926 of the State of California Government Code and including cancer-related medical conditions and or genetic characteristics); genetic information (as defined in the Genetic Information Nondiscrimination Act of 2008 and including family medical history); marital status; gender identity, pregnancy, or citizenship (within the limits imposed by law or University's policy) or service in the uniformed services (as defined by the Uniformed Services Employment and Reemployment Rights Act of 1994). Contractor will also take affirmative action to ensure that any such employee or applicant for employment is not discriminated against on any of the bases identified above. Such equal treatment shall apply, but not be limited to the following: employment; upgrade; demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. Contractor also agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that qualified applicants will receive consideration for employment without regard to: race; color; religion; sex; age; ancestry; national origin; sexual orientation; physical or mental disability; veteran's status; medical condition (as defined in Section 12926 of the State of California Government Code and including cancer-related medical conditions and or genetic characteristics); genetic information (as defined in the Genetic Information Nondiscrimination Act of 2008 and including family medical history); marital status; gender identity, pregnancy, or citizenship (within the limits imposed by law or University's policy) or service in the uniformed services (as defined by the Uniformed Services Employment and Reemployment Rights Act of 1994). For purposes of this provision: (1) "Pregnancy" includes pregnancy, childbirth, and medical conditions related to pregnancy and childbirth; and (2) "Service in the uniformed services" includes membership, application for membership, performance of service, application for service, or obligation for service in the uniformed services.
- .2 Contractor and all Subcontractors will permit access to their records of employment, employment advertisements, application forms, and other pertinent data and records by University or any appropriate agency of the State of California designated by University for the purposes of investigation to ascertain compliance with this Article 14.2. The outcome of the investigation may result in the following:
 - .1 A finding of willful violation of the provisions of this Contract or of the Fair Employment Practices Act may be regarded by University as (1) a basis for determining that Contractor is not a "responsible bidder" as to future contracts for which such Contractor may submit bids or (2) a basis for refusing to accept or consider the bids of Contractor for future contracts.
 - .2 University may deem a finding of willful violation of the Fair Employment Practices Act to have occurred upon receipt of written notice from the Fair Employment Practices Commission that it has (1) investigated and determined that Contractor has violated the Fair Employment Practices Act and (2) issued an order under the State of California Government Code Section 12970 or obtained an injunction under Government Code Section 12973.
 - .3 Upon receipt of such written notice from the Fair Employment Practices Commission, University may notify Contractor that, unless it demonstrates to the satisfaction of University within a stated period that the violation has been corrected, Contractor's bids on future projects will not be considered.
 - .4 Contractor agrees that, should University determine that Contractor has not complied with this Article 14.2, Contractor shall forfeit to University, as a penalty, for each day or portion thereof, for each person who was denied employment as a result of such non-compliance, the penalties provided in Article 14.3 for violation of prevailing wage rates. Such penalty amounts may be recovered from Contractor; and University may deduct any such penalty amounts from the Contract Sum.
 - .5 Nothing contained in this Article 14.2 shall be construed in any manner so as to prevent University from pursuing any other remedies that may be available at law.
 - .6 Contractor shall meet the following standards for compliance and provide University with satisfactory evidence of such compliance upon University's request, which shall be evaluated in each case by University:
 - .1 Contractor shall notify its Superintendent and other supervisory personnel of the nondiscrimination requirements of the Contract Documents and their responsibilities thereto.
 - .2 Contractor shall notify all sources of employee referrals (including unions, employment agencies, and the State of California Department of Employment) of the nondiscrimination requirements of the Contract Documents by sending to such sources and by posting the Notice of Equal Employment Opportunity (EEO).
 - .3 Contractor or its representative shall, through all unions with whom it may have agreements, develop agreements that (1) define responsibilities for nondiscrimination in hiring, referrals, upgrading, and training and (2) implement an affirmative nondiscrimination program, in terms of the unions' specific areas of skill and geography, such that qualified minority women,

nonminority women, and minority men shall be available and given an equal opportunity for employment.

.4 Contractor shall notify University of opposition to the nondiscrimination requirements of the Contract Documents by individuals, firms, or organizations during the term of the Contract.

.7 Contractor shall include the provisions of the foregoing Articles 14.2.3.2.1 through 14.2.3.2.6 in all subcontracts with Subcontractors, so that such provisions will be binding upon each such Subcontractor.

14.3 PREVAILING WAGE RATES

14.3.1 For purposes of this Article 14.3, the term Subcontractor shall not include suppliers, manufacturers, or distributors.

14.3.2 Contractor shall comply and shall ensure that all Subcontractors comply with prevailing wage law pursuant to the State of California Labor Code, including but not limited to Section 1720 et seq. of the State of California Labor Code. Compliance with these sections is required by this Contract. The Work under this Contract is subject to compliance monitoring and enforcement by the State of California Department of Industrial Relations.

14.3.3 The State of California Department of Industrial Relations has ascertained the general prevailing per diem wage rates in the locality in which the Work is to be performed for each craft, classification, or type of worker required to perform the Work. A copy of the general prevailing per diem wage rates will be on file at University's principal facility office and will be made available to any interested party upon request. Contractor shall post a copy of the general prevailing per diem wage rates as well as job site notices as prescribed by regulation at the job site. By this reference, such schedule is made part of the Contract Documents. Contractor shall pay not less than the prevailing wage rates, as specified in the schedule and any amendments thereto, to all workers employed by Contractor in the execution of the Work. Contractor shall cause all subcontracts to include the provision that all Subcontractors shall pay not less than the prevailing rates to all workers employed by such Subcontractors in the execution of the Work. Contractor shall forfeit to University, as a penalty, not more than \$200 for each calendar day or portion thereof for each worker that is paid less than the prevailing rates as determined by the Director of Industrial Relations for the work or craft in which the worker is employed for any portion of the Work done by Contractor or any Subcontractor. The amount of this penalty shall be determined pursuant to applicable law. Such forfeiture amounts may be deducted from the Contract Sum or sought directly from the surety under its Performance Bond if there are insufficient funds remaining in the Contract Sum. Contractor shall also pay to any worker who was paid less than the prevailing wage rate for the work or craft for which the worker was employed for any portion of the Work, for each day, or portion thereof, for which the worker was paid less than the specified prevailing per diem wage rate, an amount equal to the difference between the specified prevailing per diem wage rate and the amount which was paid to the worker. Review of any civil wage and penalty assessment shall be made pursuant to section 1742 of the California Labor Code.

14.4 PAYROLL RECORDS

14.4.1 For purposes of this Article 14.4, the term Subcontractor shall not include suppliers, manufacturers, or distributors.

14.4.2 Contractor and all Subcontractors shall keep an accurate payroll record, showing the name, address, social security number, job classification, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyworker, apprentice, worker, or other employee employed in connection with the Work. All payroll records shall be certified as being true and correct by Contractor or Subcontractors keeping such records; and the payroll records shall be available for inspection at all reasonable hours at the principal office of Contractor on the following basis:

- .1 A certified copy of an employee's payroll record shall be made available for inspection or furnished to such employee or the employee's authorized representative on request.
- .2 A certified copy of all payroll records shall be made available for inspection upon request to University, the State of California Division of Labor Standards Enforcement, and the Division of Apprenticeship Standards of the State of California Division of Industrial Relations.
- .3 A certified copy of all payroll records shall be made available upon request by the public for inspection or copies thereof made; provided, however, that the request by the public shall be made to either University, the Division of Apprenticeship Standards, or the Division of Labor Standards Enforcement. The public shall not be given access to such records at the principal offices of Contractor or Subcontractors. Any copy of the records made available for inspection as copies and furnished upon request to the public or any public agency by University shall be marked or obliterated in such a manner as to prevent disclosure of an individual's name, address, and social security number. The name and address of Contractor awarded the Contract or performing the Contract shall not be marked or obliterated.

14.4.3 Contractor shall file a certified copy of the payroll records with the entity that requested the records within 10 days after receipt of a written request. Contractor shall inform University of the location of such payroll records for the Project, including the street address, city, and county; and Contractor shall, within 5 working days, provide notice of change of location of such records. In the event of noncompliance with the requirements of this Article 14.4 or with the State of California Labor Code Section 1776, Contractor shall have 10 days in which to comply following receipt of notice specifying in what respects Contractor must comply. Should noncompliance still be evident after the 10 day period, Contractor shall forfeit to University, as a penalty, \$100 for each day, or portion thereof, for each worker, until strict compliance is accomplished. Such forfeiture amounts may be deducted from the Contract Sum.

See Supplementary Conditions

14.5 APPRENTICES

14.5.1 For purposes of this Article 14.5, the term Subcontractor shall not include suppliers, manufacturers, and distributors.

14.5.2 Only apprentices, as defined in the State of California Labor Code Section 3077, who are in training under apprenticeship standards and written apprentice agreements under Chapter 4, Division 3, of the State of California Labor Code, are eligible to be employed by Contractor and Subcontractors as apprentices. The employment and training of each apprentice shall be in accordance with the provisions of the apprenticeship standards and written apprentice agreements under which the apprentice is training and in accordance with prevailing wage law pursuant to the Labor Code, including but not limited to Section 1777.5. The Contractor bears responsibility for compliance with this section for all apprenticeable occupations.

14.5.3 Every apprentice shall be paid the standard wage to apprentices, under the regulations of the craft or trade at which the apprentice is employed, and shall be employed only at the Work in the craft or trade to which the apprentice is indentured.

14.5.4 When Contractor or Subcontractors employ workers in any apprenticeship craft or trade on the Work, Contractor or Subcontractors shall 1) send contract award information to the applicable joint apprenticeship committee that can supply apprentices to the site of the public work and 2) apply to the joint apprenticeship committee, which administers the apprenticeship standards of the craft or trade in the area of the Project site, for a certificate approving Contractor or Subcontractors under the apprenticeship standards for the employment and training of apprentices in the area of the Project site. The committee will issue a certificate fixing the number of apprentices or the ratio of apprentices to journeypersons who shall be employed in the craft or trade on the Work. The ratio will not exceed that stipulated in the apprenticeship standards under which the joint apprenticeship committee operates; but in no case shall the ratio be less than 1 hour of apprentice work for every 5 hours of journeyman work, except as permitted by law. Contractor or Subcontractors shall, upon the issuance of the approval certificate in each such craft or trade, employ the number of apprentices or the ratio of apprentices to journeypersons fixed in the certificate issued by the joint apprenticeship committee or present an exemption certificate issued by the Division of Apprenticeship Standards.

14.5.5 "Apprenticeship craft or trade," as used in this Article 14.5, shall mean a craft or trade determined as an apprenticeship occupation in accordance with rules and regulations prescribed by the Apprenticeship Council.

14.5.6 If Contractor or Subcontractors employ journeymen or apprentices in any apprenticeship craft or trade in the area of the Project site, and there exists a fund for assisting to allay the cost of the apprenticeship program in the trade or craft, to which fund or funds other contractors in the area of the Project site are contributing, Contractor and Subcontractors shall contribute to the fund or funds in each craft or trade in which they employ journeymen or apprentices on the Work in the same amount or upon the same basis and in the same manner done by the other contractors. Contractor may include the amount of such contributions in computing its bid for the Contract; but if Contractor fails to do so, it shall not be entitled to any additional compensation therefor from University.

14.5.7 In the event Contractor willfully fails to comply with this Article 14.5, it will be considered in violation of the requirements of the Contract.

14.5.8 Nothing contained herein shall be considered or interpreted as prohibiting or preventing the hiring by Contractor or Subcontractors of journeyman trainees who may receive on-the-job training to enable them to achieve journeyman status in any craft or trade under standards other than those set forth for apprentices.

14.6 WORK DAY

14.6.1 Contractor shall not permit any worker to labor more than 8 hours during any 1 day or more than 40 hours during any 1 calendar week, except as permitted by law and in such cases only upon such conditions as are provided by law. Contractor shall forfeit to University, as a penalty, \$25 for each worker employed in the execution of this Contract by Contractor, or any Subcontractor, for each day during which such worker is required or permitted to work more than 8 hours in any 1 day and 40 hours in any 1 calendar week in violation of the terms of this Article 14.6 or in violation of the provisions of any law of the State of California. Such forfeiture amounts may be deducted from the Contract Sum. Contractor and each Subcontractor shall keep, or cause to be kept, an accurate record showing the actual hours worked each day and each calendar week by each worker employed on the Project, which record shall be kept open at all reasonable hours to the inspection of University, its officers and agents, and to the inspection of the appropriate enforcement agency of the State of California.

ARTICLE 15 **MISCELLANEOUS PROVISIONS**

15.1 GOVERNING LAW

15.1.1 The Contract shall be governed by the law of the State of California.

15.2 SUCCESSORS AND ASSIGNS

15.2.1 University and Contractor respectively bind themselves and their successors, permitted assigns, and legal representatives to the other party and to the successors, permitted assigns, and legal representatives of such other party in respect to covenants, agreements, and obligations contained in the Contract Documents. Neither party to the Contract shall assign the Contract, in whole or in part, without prior written consent of the other party. Notwithstanding any such assignment, each of the original contracting parties shall remain legally responsible for all of its obligations under the Contract.

15.3 RIGHTS AND REMEDIES

15.3.1 All University's rights and remedies under the Contract Documents will be cumulative and in addition to and not in limitation of all other rights and remedies of University under the Contract Documents or otherwise available at law or in equity.

15.3.2 No action or failure to act by University or University's Representative will constitute a waiver of a right afforded them under the Contract, nor will such action or failure to act constitute approval of or acquiescence in a condition or breach thereunder, except as may be specifically agreed in writing. No waiver by University or University's Representative of any condition, breach or default will constitute a waiver of any other condition, breach or default; nor will any such waiver constitute a continuing waiver.

15.3.3 No provision contained in the Contract Documents shall create or give to third parties any claim or right of action against University, University's Representative, or Contractor.

15.4 SURVIVAL

15.4.1 The provisions of the Contract which by their nature survive termination of the Contract or Final Completion, including all warranties, indemnities, payment obligations, and University's right to audit Contractor's books and records, shall remain in full force and effect after Final Completion or any termination of the Contract.

15.5 COMPLETE AGREEMENT

15.5.1 The Contract Documents constitute the full and complete understanding of the parties and supersede any previous agreements or understandings, oral or written, with respect to the subject matter hereof. The Contract may be modified only by a written instrument signed by both parties or as provided in Article 7.

15.6 SEVERABILITY OF PROVISIONS

15.6.1 If any one or more of the provisions contained in the Contract Documents should be invalid, illegal, or unenforceable in any respect, the validity, legality, and enforceability of the remaining provisions contained herein shall not in any way be affected or impaired thereby.

15.7 UNIVERSITY'S RIGHT TO AUDIT

15.7.1 University and entities and agencies designated by University will have access to and the right to audit and the right to copy at University's cost all of Contractor's books, records, contracts, correspondence, instructions, drawings, receipts, vouchers, purchase orders, and memoranda relating to the Work. Contractor shall preserve all such records and other items during the performance of the Contract and for a period of at least 3 years after Final Completion.

15.8 METHODS OF DELIVERY FOR SPECIFIED DOCUMENTS

15.8.1 The following documents must be delivered in a manner specified in Article 15.8.2:

- .1 Contractor Notices of election to litigate or arbitrate;
- .2 Written demand for an informal conference to meet and confer pursuant to Article 4.5;
- .3 University's written statement identifying remaining disputes following informal conference pursuant to Article 4.6;
- .4 Written demand for non-binding mediation pursuant to Article 4.6;
- .5 Contractor claims pursuant to Article 4.3;
- .6 Contractor notices of conditions pursuant to Articles 3.17, 3.18, or 3.19;
- .7 University's notices of Contractor's failure to perform and/or correct defective work pursuant to Articles 4.1.6, 12.2 and 13.2.3;
- .8 University's notice to stop work pursuant to Article 2.3.1;
- .9 Notices of termination or suspension pursuant to Article 13.

15.8.2 Delivery methods for documents specified in Article 15.8.1:

- .1 By personal delivery.
- .2 Sent by facsimile copy where receipt is confirmed.
- .3 Sent by Express Mail, or another method of delivery providing for overnight delivery where receipt is confirmed.
- .4 Sent by registered or certified mail, postage prepaid, return receipt requested.

15.8.3 The documents identified in Article 15.8.1 shall only be effective if delivered in the manner specified in Article 15.8.2. Subject to the forgoing, such documents shall be deemed given and received upon actual receipt in the case of all except registered or certified mail; and in the case of registered or certified mail, on the date shown on the return receipt or the date delivery during normal business hours was attempted. Delivery of the specified documents shall be made at the respective street addresses set forth in the Agreement. Such street addresses may be changed by notice given in accordance with this Article 15.8.

15.9 TIME OF THE ESSENCE

15.9.1 Time limits stated in the Contract Documents are of the essence of the Contract.

15.10 MUTUAL DUTY TO MITIGATE

15.10.1 University and Contractor shall use all reasonable and economically practicable efforts to mitigate delays and damages to the Project and to one another with respect to the Project, regardless of the cause of such delay or damage.

15.11 UC FAIR WAGE

15.11.1 Contractor shall pay all persons providing construction services and/or any labor on site, including any University location, no less than the UC Fair Wage (defined as \$13 per hour as of 10/1/15, \$14 per hour as of 10/1/16, and \$15 per hour as of 10/1/17) and shall comply with all applicable federal, state and local working condition requirements.

END OF GENERAL CONDITIONS

SUPPLEMENTARY CONDITIONS

1. NOT USED

2. MODIFICATION OF GENERAL CONDITIONS, ARTICLE 8 – CONTRACT TIME

~OP-APPROVED OPTIONAL LANGUAGE~ Rainy weather in excess of the following number of days will be granted a Contract Time extension pursuant to Article 8.4 of the General Conditions:

January.....	- 6 days	July.....	- 1 day
February.....	- 6 days	August.....	- 0 days
March.....	- 6 days	September.....	- 1 day
April.....	- 3 days	October.....	- 2 days
May.....	- 1 day	November.....	- 3 days
June.....	- 1 day	December.....	- 5 days

3. NOT USED

4. MODIFICATION OF GENERAL CONDITIONS, ARTICLE 11 – INSURANCE AND BONDS

Contractor shall furnish and maintain insurance in the amounts below.

The insurance required by 11.1.2.1 and 11.1.2.2 shall be (i) issued by companies with a Best rating of A- or better, and a financial classification of VIII or better (or an equivalent rating by Standard & Poor or Moody's) or (ii) guaranteed, under terms consented to by the University (such consent to not be unreasonably withheld), by companies with a Best rating of A- or better, and a financial classification of VIII or better (or an equivalent rating by Standard & Poor or Moody's). Such insurance shall be written for not less than the following:

~CONTRACT SPECIFIC CHANGE: MINIMUM REQUIREMENTS SET BY OTRM~

11.1.2.1	Commercial General Liability Insurance –	Minimum
	Limits of Liability	Requirements
	Each Occurrence - Combined Single Limit for	
	Bodily Injury and Property Damage	\$TBD
	Products - Completed Operations Aggregate	\$TBD
	Personal and Advertising Injury	\$TBD
	General Aggregate.....	\$TBD

11.1.2.2	Business Automobile Liability Insurance - Limits of Liability	
	Each Accident - Combined Single Limit for	
	Bodily Injury and Property Damage	\$TBD

Insurance required by Article 11.1.2.3 shall be issued by companies (i) that have a Best rating of B+ or better, and a financial classification of VIII or better (or an equivalent rating by Standard & Poor or Moody's); or (ii) that are acceptable to the University. Such insurance shall be written for not less than the following:

11.1.2.3	WORKER'S COMPENSATION AND EMPLOYER'S LIABILITY -	Minimum
		Requirements
	Worker's Compensation	(as required by Federal and State of California law)
	Employer's Liability:	
	Each Employee.....	\$1,000,000
	Each Accident.....	\$1,000,000
	Policy Limit.....	\$1,000,000

{UCLA-INCLUDE THE FOLLOWING 11.1.2.4 ONLY WHEN HAZ MAT ABATEMENT IS NEEDED.

}The following Article 11.1.2.4 is added to the General Conditions:

11.1.2.4 The Contractor shall obtain, either itself or through the applicable Subcontractor(s) performing Work involving hazardous materials, Contractor's Pollution Liability (CPL) insurance coverage for such Work AND an endorsement to either its CPL or Business Auto policies for transporting or hauling of hazardous materials. The insurance required by this Article 11.1.2.4 shall be (i)

issued by companies with a Best rating of A- or better, and a financial classification of VIII or better (or an equivalent rating by Standard & Poor or Moody's) or (ii) guaranteed, under terms consented to by the University (such consent to not be unreasonably withheld), by companies with a Best rating of A- or better, and a financial classification of VIII or better (or an equivalent rating by Standard & Poor or Moody's). Such insurance shall be written for not less than the following and include the University as Additional Insured by endorsement:

CONTRACTOR'S POLLUTION LIABILITY –

Limits of Liability	Minimum Requirement
Each Occurrence	\$TBD
Products - Completed Operations.....	\$TBD
General Aggregate.....	\$TBD

If coverage is provided on a Claims-Made form, Contractor shall evidence coverage to include a three (3)-year Extended Reporting Period beyond completion of such Work. Coverage must extend to Transportation and Hauling of hazardous materials. The University shall require a copy of the policy endorsement noting extension of Transportation coverage. If this extension of coverage is not provided under the Contractor's or applicable Subcontractor's Contractor's Pollution Liability, then the Contractor/Subcontractor shall also be required to evidence the following under its Business Auto policy:

BUSINESS AUTO - Combined Single Limit Per Accident \$TBD
Covering Transportation and/or Hauling of hazardous materials by amending the pollution exclusion of ISO Form CA 00010 6/92 (or its equivalent) in the following manner:

1. Delete Section a.(1)a.: (Pollution) "being transported or towed away by, or handled for movement into, onto or from the Covered Auto"
2. Delete Section a.(1)b.: "Otherwise in the course of transit by the insured."

Coverage shall include MCS-90 endorsement with the University as Additional Insured and shall be endorsed to specifically limit the reimbursement provisions of the MCS-90 to the Named Insured.

5. MODIFICATION OF GENERAL CONDITIONS, ARTICLE 14 – STATUTORY AND OTHER REQUIREMENTS

The following new Subparagraph 14.4.4 is added to Article 14.4: **~OP-APPROVED CHANGE (04/27/11); MODIFIED TO MAKE GENERIC ON 04/23/12~**

- 14.4.4 Contractor and every Subcontractor required to submit certified payrolls shall use the web-based electronic certified payroll reporting (eCPR) system to be named by University. The software shall be a web-based eCPR system accessed by a web browser. Contractor and each Subcontractor will be furnished a log-on identification and password to access University's reporting system. Use of the system may entail additional data entry of weekly payroll information including, without limitation: employee identification, labor classification, total hours worked and hours worked on the project, wage and benefit rates paid, etc. The required software shall be used regardless of the ability to interface with Contractor's or Subcontractor's payroll and accounting software or system. On-line training in the use of the system will be available via the Internet. University may elect to schedule training classes in the use of the software and Contractor shall have all necessary personnel attend and shall require attendance by all Subcontractors.

6. MODIFICATION OF GENERAL CONDITIONS, ARTICLE 15 – MISCELLANEOUS PROVISIONS

This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which together shall constitute one and the same Agreement. The counterparts of this Agreement may be executed via a University approved digital signature process and shall have the same force and effect as the use of a manual signature. University reserves the right to reject any digital signature that cannot be positively verified by the University system as an authentic digital signature.

END OF SUPPLEMENTARY CONDITIONS

**SPECIFICATIONS
FOR
TBD**

**UNIVERSITY OF CALIFORNIA
LOS ANGELES CAMPUS
LOS ANGELES, CALIFORNIA**

{MONTH & YEAR}

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<u>DIVISION 21 - FIRE SUPPRESSION</u>	
Section {#}	{FILL IN SECTION NAME}
<u>DIVISION 22 - PLUMBING</u>	
Section {#}	{FILL IN SECTION NAME}
<u>DIVISION 23 – HEATING, VENTILATING AND AIR CONDITIONING (HVAC)</u>	
Section {#}	{FILL IN SECTION NAME}
<u>DIVISION 25 – INTEGRATED AUTOMATION</u>	
Section {#}	{FILL IN SECTION NAME}
<u>DIVISION 26-ELECTRICAL</u>	
Section {#}	{FILL IN SECTION NAME}
<u>DIVISION 27-COMMUNICATIONS</u>	
Section {#}	{FILL IN SECTION NAME}
<u>DIVISION 28 - ELECTRONIC SAFETY AND SECURITY</u>	
Section {#}	{FILL IN SECTION NAME}
<u>DIVISION 31- EARTHWORK</u>	
Section {#}	{FILL IN SECTION NAME}
<u>DIVISION 32- EXTERIOR IMPROVEMENTS</u>	
Section {#}	{FILL IN SECTION NAME}
<u>DIVISION 33-UTILITIES</u>	
Section {#}	{FILL IN SECTION NAME}
<u>DIVISION 34 – TRANSPORTATION</u>	
Section {#}	{FILL IN SECTION NAME}
<u>DIVISION 33-WATERWAY AND MARINE CONSTRUCTION</u>	
Section {#}	{FILL IN SECTION NAME}
<u>DIVISION 40-PROCESS INTEGRATION</u>	
Section {#}	{FILL IN SECTION NAME}
<u>DIVISION 41-MATERIAL PROCESSING AND HANDLING EQUIPMENT</u>	
Section {#}	{FILL IN SECTION NAME}
<u>DIVISION 42-PROCESS HEATING, COOLING AND DRYING EQUIPMENT</u>	
Section {#}	{FILL IN SECTION NAME}
<u>DIVISION 43-PROCESS GAS AND LIQUID HANDLING, PURIFICATION AND STORAGE EQUIPMENT</u>	
Section {#}	{FILL IN SECTION NAME}
<u>DIVISION 44-POLLUTION AND WASTE CONTROL EQUIPMENT</u>	
Section {#}	{FILL IN SECTION NAME}
<u>DIVISION 45-INDUSTRY-SPECIFIC MANUFACTURING EQUIPMENT</u>	
Section {#}	{FILL IN SECTION NAME}
<u>DIVISION 46 - WATER AND WASTEWATER EQUIPMENT</u>	
Section {#}	{FILL IN SECTION NAME}
<u>DIVISION 48 - ELECTRICAL POWER GENERATION</u>	
Section {#}	{FILL IN SECTION NAME}
<u>LIST OF DRAWINGS</u>	

END OF INDEX TO SPECIFICATIONS

SECTION 01 12 00
MULTIPLE CONTRACT SUMMARY

(UCLA-INFO IN THIS SECTION IS SAMPLE ONLY; EDIT AS NEEDED)

1. GENERAL

1.1 DESCRIPTION

- A. The Work required to complete the Project has been divided into a number of separate Contracts (Multiple Bid Packages). Scheduling of work, utilization of the Project site, and access to the Project site for the Multiple Bid Packages that comprise the Project will be coordinated until Project completion by University's Representative.
- B. Due to the importance of coordinating and maintaining timely performance of the Work called for by the Multiple Bid Packages, University has developed a Representative Contract Schedule, which is included in Section 01 32 00, CONSTRUCTION PROGRESS DOCUMENTATION, for information only. The purpose of planning and scheduling the construction Project prior to bidding is to establish a realistic time frame for Contractor; the Representative Contract Schedule depicts the Contract Time to be adhered to by Contractor.
- C. Multiple Contractors with separate construction contracts for this Project will be on the Project site and in surrounding areas performing work simultaneously with the Work of this Bid Package. Disagreements between Contractor and other Multiple Contractors or Separate Contractors about concurrent use of Work areas or access to the Project site that are not resolved by the participants shall be referred to University's Representative. Contractor agrees to abide by University's Representative's determination concerning concurrent use or priority of access and to perform its work in compliance with University's Representative's resolution at no additional cost to University.
- D. Bid Packages for which Contract Documents are available for review at University's Representative's office include:
1. Bid Package #1 - Earthwork and Shoring
 2. Bid Package #2A - Heavy Equipment Rental
 3. Bid Package #2B - Concrete Pump Rental
 4. Bid Package #2C - Concrete Materials
 5. Bid Package #2D - Concrete Labor
 6. Bid Package #2E - Reinforcing Steel
 7. Bid Package #2F - Shotcrete
 8. Bid Package #2G - Masonry
 9. Bid Package #2H - Concrete Finishing
 10. Bid Package #3A - Structural Steel, Metal Fabrications
 11. Bid Package #3B - Structural Steel Erection
 12. Bid Package #3C - Metal Deck
 13. Bid Package #4 - Duct Bank Relocation
 14. Bid Package #5 - Hollow Metal Doors/Frames, Wood Doors, Finish Hardware & Finish Carpentry
 15. Bid Package #6 - Roofing, Insulation, Flashing & Sheet Metal & Expansion Joints
 16. Bid Package #7 - Waterproofing
 17. Bid Package #8 - Metal Support Systems, Gypsum Board, Cement Plaster, Insulation, E.I.F.S. & Specialties
 18. Bid Package #9 - Glass & Glazing
 19. Bid Package #10 - Tile
 20. Bid Package #11 - Painting
 21. Bid Package #12 - Plumbing
 22. Bid Package #13 - HVAC
 23. Bid Package #14 - Fire Sprinklers
 24. Bid Package #15 - Electrical
 25. Bid Package #16 - General Carpentry
 26. Bid Package #17 - Landscape & Irrigation
 27. Bid Package #18 - Elevators
 28. Bid Package #19 - Resilient Flooring
 29. Bid Package #20 - Kitchen Equipment
 30. Bid Package #21 - Window Coverings
 31. Bid Package #22 - Dock Levelers
 32. Bid Package #23 - Folding Partitions
 33. Bid Package #24 - Acoustical Ceilings & Panels
 34. Bid Package #25 - Smoke Containment System
 35. Bid Package #26 - Rolling Grilles
 36. Bid Package #27 - Site Development
 37. Bid Package #28 - AV Built-In Equipment
 38. Bid Package #29 - Signage
- E. Scope of work definitions for all Bid Packages are included herein. Definitions listed below for all Bid Packages other than this Bid Package are for information only. Contract Documents may be subject to revision.

- F. The work of each Multiple Bid Package consists of providing all materials, labor, equipment, tools and other items and services required by the Contract Documents for the construction of said Bid Package as hereinafter described.
- G. All Work shall be performed and completed in accordance with the Contract Documents, as defined in the Agreement.
- H. The Work of each Bid Package shall consist of:
1. All the Work of the Specification Sections listed in the appropriate bid package definition below; and
 2. All of the Work of the Drawings listed in the List of Drawings, to the extent the Work depicted is also specified as being a part of said Bid Package.

1.2 ALL BID PACKAGES

- A. Each Multiple Contractor shall perform the following work as applicable to said Multiple Contractor's Bid Package:
1. Conform to the requirements of Paragraph 3.13 of the General Conditions. Furnish a laborer for a minimum of one hour daily to clean and scrap areas affected by the work of said Bid Package. The laborer will be available to respond to the direction of University's Representative. Provide debris boxes to remove scrap generated by the work of said Bid Package. Schedule with University's Representative, at least 24 hours in advance, periods when debris boxes will be delivered and hauled away.
 2. Upon completion of work, thoroughly clean all work areas.
 3. Provide adequate ventilation during cutting, welding, or any activity which produces dust or fumes.
 4. Temporary power will be provided at a central point on each floor by Bid Package #15 Multiple Contractor.
 5. Provide task lighting necessary to perform the work of said Bid Package. General purpose lighting will be provided by Bid Package #14 (Electrical) Multiple Contractor.
 6. Take all necessary precautions to limit noise, dust and vibration transmission to surrounding buildings in accordance with Section 01 35 43, ENVIRONMENTAL PROCEDURES.
 7. Maintain, replace or restore to original condition all temporary shoring barriers, fences, guard rails and floor opening plates, which have been damaged or temporarily removed during performance of the work of said Bid Package. Provide materials and means to make watertight any openings created during performance of the work of said Bid Package.
 8. Perform all required move-ins. Schedule move-ins as schedule dictates.
 9. Furnish University's Representative with a floor loading plan. Spread materials on each floor in a manner such that the productivity of other Multiple Contractors is not decreased.
 10. Provide all hoisting required for the work of said Bid Package.
 11. Provide drinking water for all workers performing work of said Bid Package.
 12. Provide caulking, sealants and, if applicable, fire safing of all work of said Bid Package.
 13. Furnish daily time tickets for University's Representative signature.

1.3 BID PACKAGE #{} - {}

- A. In addition to the work specified in Paragraph 1.2 above, Bid Package #{} includes all the work of the Specification Sections listed below and all of the work depicted on the drawings listed in List of Drawings.
1. DIVISION 1 - GENERAL REQUIREMENTS
 - a. (Refer to Index to Specifications, bound herein)
 2. DIVISION {} - {}
 - a. Section {} {}
- B. The following items of work are also included in the scope of work for Bid Package #{}.
1. {}

2. PRODUCTS (NOT USED)

3. EXECUTION (NOT USED)

END OF SECTION

**SECTION 01 14 00
WORK RESTRICTIONS**

1. GENERAL

1.1 STORAGE

- A. Contractor's use of the Project site for the Work and storage is restricted to the areas designated on the Drawings or as approved by University's Representative. Refer also to Section 01 60 00, PRODUCT REQUIREMENTS.

1.2 WATCHMAN'S SERVICES

- A. During all hours that Work is not being prosecuted, furnish such watchman's services as Contractor may consider necessary to safeguard materials and equipment in storage on the Project site, including Work in place or in process of fabrication, against theft, acts of malicious mischief, vandalism, and other losses or damages.
- B. University will not be liable for any loss or damage.

1.3 RUBBER-TIRED EQUIPMENT

- A. Where carts, hand trucks, wheelbarrows, and similar wheeled conveyances are used on or in any portions of any structure, equip with pneumatic tires.

1.4 SITE DECORUM

- A. Contractor shall control the conduct of its employees so as to prevent unwanted interaction initiated by Contractor's employees with UCLA students, UCLA staff, or other individuals (except those associated with the Project), adjacent to the Project site. Unwanted interaction by Contractor employees would include whistling at or initiating conversations with passersby. In the event that any Contractor employee initiates such unwanted interaction, or utilizes profanity, Contractor shall, either upon request of University's Representative or on its own initiative, replace said employee with another of equivalent technical skill, at no additional cost to University. No radios, other than two-way communication type, will be allowed on the Project site. The use of cigarettes, cigars, oral tobacco, electronic cigarettes and all other tobacco products is prohibited on the UCLA Westwood campus and other sites owned or leased by UCLA.

1.5 CONTROL OF CONSTRUCTION WATER

- A. Provide impermeable floor coverings and suitable dams to prevent damage by water used for the Work. Immediately clean up and remove all surplus water and water spilled in non-working areas. Do not allow water to overflow gutters or flood streets.

1.6 WORK HOURS: PM: PLEASE CONFIRM THE BELOW WORK HOURS OR EDIT AS NEEDED

- A. Unless otherwise approved in advance by University's Representative, the Work of this Project shall be accomplished only during the following hours:
- | | |
|-------------------------|------------------------|
| Mondays through Fridays | 7:00 a.m. to 6:00 p.m. |
| Saturdays | 8:00 a.m. to 6:00 p.m. |
- No work shall be performed on Sundays or University holidays.

1.7 CONSTRUCTION SIGNAGE

- A. All signage shall be as approved by University's Representative.
- B. University-Furnished Warning Signs: Whenever required by University's Representative, post University-furnished warning signs in locations as directed.
- C. Advertising Signage: The use of Contractor/subcontractor advertising signage is prohibited.
- D. Project Sign: Contractor shall furnish support structures consisting of 6" x 6" painted wooden posts to support 2 University-furnished project signs. University will deliver the signs to the Project site and Contractor shall install them by bolting support structure to the wooden signs and placing them in locations approved by University's Representative.

1.8 MEDICAL CENTER DIRECTORY SIGNS

- A. For projects within the Medical Center only, remove all directory signs as needed in a manner which will preserve and protect signs from damage. Contact University's Representative to determine where signs should be delivered within the Medical Center.

1.9 KEY PROTOCOL

- A. Room Access Key Protocol: Contractor shall furnish to University's Representative a list of all rooms (including mechanical and electrical rooms) to which Contractor will need access. University's Representative will furnish a key ring for access to those specific areas. Upon completion of the Project, Contractor shall return the key ring to University's Representative.

1.10 HISTORICAL, ARCHEOLOGICAL AND PALEONTOLOGICAL RESOURCES

- A. In order to preserve and protect potentially historic, archeological or paleontological resources that could be encountered on a construction site, University's Representative will give the information handout, "UCLA Needs Your Help to Protect the Past" to Contractor at the Pre-Construction Meeting referenced in Section 01 31 19, PROJECT MEETINGS. Contractor shall ensure that all appropriate Subcontractors receive said handout, that they comply with all applicable requirements during excavation and

construction, and that they understand that the unauthorized collection of historic, archeological or paleontological resources is prohibited by law. Contractor's responsibility includes (1) distributing the information handout to all construction personnel working on a site prior to commencing any earthmoving activities; (2) immediately halting all work in all areas where any potentially historic, archeological or paleontological remains (as identified in the handout) are uncovered; and (3) immediately notifying University's Representative if such materials are found. Contractor shall not resume work in the affected areas until authorized by University's Representative.

1.11 TRAFFIC CONTROL

- A. Provide traffic control barriers and flagperson(s) throughout the construction period.
1. Furnish flagperson(s) at pedestrian crossings of construction equipment right of ways one hundred percent of the time such equipment is operating. When equipment is not operating, such equipment right of ways shall be closed to equipment by means of a chain link gate.
 2. Provide temporary traffic control barriers to ensure safety of all persons and property.
 3. Furnish numbers of flagperson(s) necessary for vehicular and pedestrian traffic control. Flagperson(s) shall be on duty at all times when the Work is in progress. See additional notes on Drawings.

1.12 PROJECT PHASING

- A. Description:
1. The Work of this Contract is divided into phases as indicated herein and in Article 4 of the Agreement.
 2. All of the work required for each phase, as shown on the drawings and as specified, shall be fully completed within the time stipulated for the phase, and all Work of the Contract shall be fully completed within the Contract Time, whether or not included in the phase description. The deadlines for completion of each phase shall be subject to adjustment under the Contract procedures for adjustment of the Contract Time, including those procedures specified in Articles 4 and 8 of the General Conditions.
 3. University reserves the right to vary the sequence of phasing upon written notice to Contractor prior to the date on which Contractor is to proceed with the work of any phase affected by the change.
- B. Phases:
- Phase 1:
1. The work of Phase 1 shall include TBD.
 2. To be completed within TBD days from the date designated in the Notice to Proceed for this phase.
- Phase 2:
1. The work of Phase 2 shall include TBD.
 2. To be completed within TBD days from the date designated in the Notice to Proceed for this phase, which is currently anticipated to be issued TBD days after University's acceptance of the work of Phase 1.

1.13 WORK SEQUENCE

- A. General:
1. The Work of this Contract is divided into the sequences indicated below.
 2. At the completion of each sequence, University intends to take beneficial occupancy of the sequence for immediate use, if applicable.
 3. University reserves the right to vary the order of sequencing upon written notice to Contractor prior to the date on which Contractor is to proceed with the work of any sequence affected by the change.
 4. All of the work required for each sequence shall be fully completed prior to commencement of the work of the next sequence, and all work of the contract shall be fully completed by completion of the final sequence, whether or not included in the sequence description.
- B. Sequences:
1. Sequence 1:
- a. The Work of Sequence 1 shall include **UCLA: TYPE IN DESCRIPTION**.
 - b. Contractor shall commence the Work of Sequence 1 on the date specified in the Notice to Proceed.
2. Sequence 2:
- a. The Work of Sequence 2 shall include **UCLA: TYPE IN DESCRIPTION**.
 - b. Contractor shall commence the Work of Sequence 2 approximately **10** days following completion of the Work of Sequence 1.

1.14 INTERRUPTION OF UTILITIES/BUILDING SERVICES

- A. Maintain continuous utility services to all existing facilities during the period of construction except for the following conditions:
1. Perform Work that involves "shut-down" of existing facilities at such times as will cause the least inconvenience to the University activities, performing at night, on Saturdays, Sundays, holidays and at the discretion of University's Representative. Furnish University's Representative written notice of exact date and time of "shut-down" at least 15 working days in advance, unless a longer period is specified or shown on the Drawings. On jobs with short performance time,

Contractor shall verify with University's Representative the number of days required in advance for shut-down.

2. Include in Contractor's bid the cost of overtime necessary for the Work. No extra payment will be allowed for overtime to meet this requirement or the Contract Schedule.

1.15 **BENEFICIAL OCCUPANCY**

- A. University intends to take Beneficial Occupancy prior to completion of the entire Project, including the following:

1. TBD

2. PRODUCTS (NOT USED)

3. EXECUTION (NOT USED)

END OF SECTION

SECTION 01 21 00
ALLOWANCES

1. GENERAL

1.1 DESCRIPTION

- A. Included in the Contract Sum are all Allowances stated in the Contract Documents. Items covered by allowances shall be supplied for such amounts and by such persons or entities as University's Representative may direct.
- B. The following shall apply, unless specified otherwise in the Contract Documents:
1. Allowances shall cover the cost to Contractor of materials and equipment delivered at the Project site and all required taxes, less applicable trade discounts.
 2. Contractor's costs required for storage on and off the Project site, security, loading and unloading, handling at the Project site, labor, installation costs, overhead, profit, and other expenses contemplated for stated Allowance amounts shall be included in the Contract Sum and not in the Allowances.
 3. Whenever costs are more than or less than Allowances, the Contract Sum shall be adjusted by Change Order based on (i) the difference between actual costs and the Allowances under Subparagraph 1.1 B.1, and (ii) changes in Contractor's costs under Subparagraph 1.1 B.2.

1.2 DESCRIPTION OF ALLOWANCES

- A. Allowance 1: {UCLA: TYPE IN APPLICABLE INFORMATION}
- B. Allowance 2: {UCLA: TYPE IN APPLICABLE INFORMATION}

2. PRODUCTS (NOT USED)

3. EXECUTION (NOT USED)

END OF SECTION

SECTION 01 22 00
UNIT PRICES

1. GENERAL

1.1 DESCRIPTION

- A. Unit price quotations are to be inserted in the appropriate spaces in the Bid Form for each unit of work described herein. Also see Bid Form for related provisions.
- B. Unit prices stated in the Agreement shall be used to compute adjustments of the Contract Sum for approved unit price items of Work. Such adjustments shall be made by Change Order.
- C. Unit prices shall include labor, materials, tools, equipment; all other direct and indirect costs necessary to complete the item of Work and to coordinate the unit price Work with adjacent work; and overhead and profit. Contractor shall accept compensation computed in accordance with the unit prices as full compensation for furnishing such Work.
- D. Compensation will be paid for those items of Work described in Paragraph 2.1 below.
- E. There shall be no entitlement to an extension of the Contract Time with respect to the Work based on the fact that an actual quantity of any unit item exceeds any approximate quantity of such unit item as described in the Contract Documents.

1.2 SPECIFIED WORK

- A. Applicable Sections of the Specifications describe the materials and methods required under the various unit price items of Work.

1.3 ADJACENT WORK

- A. Make all necessary modifications to other work required by the use of unit prices at no additional cost to University.

2. PRODUCTS

2.1 UNIT PRICES

- A. List of Unit Price Items and Descriptions:
Unit Price 1: TBD

3. EXECUTION

3.1 ADVANCED COORDINATION

- A. Immediately notify University's Representative when conditions require the use of unit price items.
- B. The applicability of, measurement methods for, documentation of, and the final adjustment of the Contract Sum for unit price items of Work shall be determined by University's Representative.
- C. After performing the Work of unit price items as directed by University's Representative, Contractor shall take necessary measurements in the presence of University's Representative and shall submit calculations of quantities to University's Representative for approval. Contractor shall notify University's Representative 1 day in advance of taking measurements.

END OF SECTION

SECTION 01 23 00
ALTERNATES

1. GENERAL

1.1 DESCRIPTION

- A. This Section identifies each Alternate and describes basic changes to the Work only when that Alternate is made a part of the Work by specific provision in the Agreement.
- B. The Lump Sum Base Bid and Alternates shall include the cost of all supporting elements required, so that the combination of the Lump Sum Base Bid and any Alternates shall be complete. The scope of Work for all Alternates shall be in accordance with the applicable Drawings and Specifications.
- C. Except as otherwise specifically approved by University, the Work described in Alternates shall be completed with no increase in Contract Time.
- D. This Section includes only the non-technical descriptions of the Alternates. Refer to the specific Sections of Divisions 2 through 48 of the Specifications and to Drawings for technical descriptions of the Alternates.
- E. Coordinate related Work and modify surrounding Work as required to accurately and completely integrate the Alternates into the Work.

1.2 DESCRIPTION OF ALTERNATES

Alternate # 1: TBD

2. PRODUCTS (NOT USED)

3. EXECUTION (NOT USED)

END OF SECTION

SECTION 01 25 13
PRODUCT SUBSTITUTION PROCEDURES

1. GENERAL

1.1 GENERAL PROVISIONS REGARDING SPECIFICATION OF PRODUCTS, MATERIAL OR EQUIPMENT BY BRAND OR TRADE NAME

- A. Products, material or equipment specified by both brand or trade name and model number are approved for use, provided that Contractor complies with all Contract requirements. Specification of a product, material or equipment by brand or trade name and model number is not a representation or warranty that the product, material or equipment can be used without modification, to meet the requirements of the plans and specifications; Contractor shall, at its sole cost, modify such products, material, or equipment so that they comply with all requirements of the plans and specifications.
- B. The first-named product, material or equipment specified by brand or trade name and model number is the basis for the Project design and the use of any item other than the first-named one may require modifications of that design. If Contractor uses any product, material or equipment other than the first-named one, Contractor shall, at its sole cost:
 - 1. Make all revisions and modifications to the design and construction of the Work necessitated by the use of the product, material or equipment.
 - 2. Be responsible for all costs of any changes resulting from the use of the product, material or equipment including costs or changes which affect other parts of the Work, the work of Separate Contractors, or any other property or operations of University.
- C. When a product, material or equipment specified by brand or trade name is followed by the words "or equal," a substitution may be permitted if the substitution is equal to or superior to the first-named product, material or equipment in quality, utility and appearance, and if the substitution complies with all other requirements of the plans and specifications.
- D. A product, material or equipment specified by brand or trade name followed by the words "or equal, no known equal," signifies that University does not have sufficient knowledge to specify a product, material or equipment, other than the one specified by brand or trade name, that is suitable for use on the Project. The use of the words "no known equal" is not intended to discourage substitution requests in accordance with the requirements specified herein.
- E. When catalog numbers and specific brands or trade names not followed by the designation "or equal" are used in conjunction with a product, material or equipment required by the specifications, substitutions will not be allowed and the named product, material or equipment must be used.
- F. Specification of a product, material or equipment by brand or trade name and model number is not a representation or warranty that the product, material or equipment is available; Contractor shall confirm, prior to submitting its Bid, the availability of any product, material or equipment specified by brand or trade name and model number.

1.2 SPECIAL REQUIREMENTS FOR PRODUCTS, MATERIAL OR EQUIPMENT, OTHER THAN THE FIRST-NAMED PRODUCT, MATERIAL OR EQUIPMENT, SPECIFIED BY BOTH BRAND OR TRADE NAME AND MODEL NUMBER.

- A. In addition to complying with all other submittal requirements of the Contract, submit within 70 days after the date of commencement specified in the Notice to Proceed, for review and approval by University's Representative, Contractor-prepared specifications and drawings, including design and engineering calculations, prepared by an appropriate licensed professional, depicting all revisions and modifications to the design and construction of the Work necessitated by the use of the product, material or equipment. If no revisions or modifications are necessary, submit within 70 days after the date of commencement specified in the Notice to Proceed, a written representation that no revisions or modifications to the design or construction of the Work are necessitated by the use of the product, material or equipment. Contractor shall utilize the first-named product, material or equipment if Contractor fails to make the appropriate required submittal pursuant to this paragraph within the 70-day period.
- B. A product, material or equipment, other than the first-named product, material or equipment, specified by both brand or trade name and model number may be used if no revisions or modifications to the design or construction of the Work are necessitated by the use of the product, material or equipment. If such revisions or modifications are necessary, the product, material or equipment may be used only if the revisions or modifications are approved in writing by University's Representative. Contractor has the burden of demonstrating, through the procedures specified herein, that any such revisions or modifications will not be detrimental to the quality, utility or appearance of the Project or any portion of the Project. The University's Representative may refuse to approve any such proposed revisions or modifications where, in the reasonable opinion of University's Representative, Contractor has failed to demonstrate, through the procedures specified herein, that the revisions or modifications are not detrimental to the quality, utility or appearance of the Project or any portion of the Project.

1.3 SPECIAL REQUIREMENTS FOR SUBSTITUTIONS

- A. In addition to complying with all other submittal requirements of the Contract, submit written data demonstrating that the proposed substitution is equal to or superior to the first-named product, material or equipment in quality, utility and appearance and otherwise complies with all requirements of the plans and specifications, including:
 - 1. Complete technical data including drawings, performance specifications, samples, and test reports of the article proposed for substitution.

2. Statement by Contractor that the proposed substitution is in full compliance with the requirements of the Contract Documents and Applicable Code Requirements.
 3. List of Subcontractors, if any, that may be affected by the substitution.
 4. Contractor-prepared specifications and drawings, including design and engineering calculations, prepared by an appropriately licensed professional, depicting all revisions and modifications to the design and construction of the Work necessitated by the use of the substitution. If no revisions or modifications are necessary, submit a written representation that no revisions or modifications to the design or construction of the Work are necessitated by the use of the product, material or equipment.
- B. At the request of and within the timeframes specified by University's Representative:
1. Submit samples as deemed necessary by University's Representative to evaluate the proposed substitution.
 2. Submit proposed substitution to tests deemed necessary by University's Representative to evaluate the proposed substitution. Such tests shall be made by an independent Testing Laboratory and at the sole expense of Contractor, after review and approval of the test procedures by University's Representative. If re-testing is deemed necessary by University's Representative to evaluate the proposed substitution, such re-testing shall be made by an independent Testing Laboratory at the sole expense of the Contractor.
 3. Furnish all additional information deemed necessary by University's Representative to evaluate the proposed substitution.
- C. If University's Representative, in reviewing a proposed substitution, requires revisions or corrections to be made to previously accepted shop drawings and supplemental supporting data to be resubmitted, Contractor shall do so within the time period specified by University's Representative. A proposed substitution may be rejected if Contractor fails to submit such revisions, corrections, or supplemental supporting data within the specified time period.
- D. Except for products, material or equipment designated in the Bidding Documents for evaluation of substitutions prior to award, requests for substitution, including the data required by Paragraph 1.3.A herein, must be submitted to University's Representative not later than 35 days after the date of commencement specified in the Notice to Proceed. No requests for substitutions of products, material or equipment subject to the 35-day deadline shall be considered unless the request and supporting data is submitted on or before the deadline, except those deemed, in University's Representative's sole opinion, to be necessary because (i) previously specified or approved manufactured products, material or equipment are no longer manufactured, (ii) of University initiated change orders, or (iii) it is in the best interest of University to accept such substitution.
- E. If a product, material or equipment is designated in the Bidding Documents for evaluation of substitutions prior to award, then a request for substitution of the product, material or equipment, including the data required by Paragraph 1.3.A herein, must be submitted by the deadline specified in the Bidding Documents. Because of time constraints, only one submittal will be allowed for each such substitution request. Requests for substitutions of products, material or equipment designated for evaluation prior to award may not be made after the deadline specified in the Bidding Documents, and such requests be shall not be considered unless the request and supporting data is submitted on or before the deadline specified in the Bidding Documents. Notwithstanding the forgoing, University may consider, after award of the Contract, requests for substitution of a product, material or equipment designated for evaluation prior to award where, in University's Representative's sole opinion, a substitution is necessary because (i) previously specified or approved manufactured products, material or equipment are no longer manufactured, (ii) of University initiated change orders, or (iii) it is in the best interest of University to accept such substitution.
- F. In reviewing the supporting data submitted for substitutions, University's Representative will use, for purposes of comparison, all the characteristics of the specified material or equipment as they appear in the manufacturer's published data even though all the characteristics may not have been particularly mentioned in the Specifications. If more than 2 submissions of supporting data are required, the cost of reviewing the additional supporting data shall be at Contractor's expense.
- G. Contractor has the burden of demonstrating, through the procedures specified herein, that its proposed substitution is equal to or superior to the first-named product, material or equipment in quality, utility and appearance and complies with all other requirements of the plans and specifications. If revisions or modifications to the design or construction of the work are necessitated by the use of the substitution, Contractor also has the burden of demonstrating, through the procedures specified herein, that the use of the substitution will not be detrimental to the quality, utility or appearance of the Project or any portion of the Project.
- H. The University's Representative may refuse to approve any requested substitution where, in the reasonable opinion of University's Representative, Contractor has failed to demonstrate, through the procedures specified herein, that the proposed substitution is equal to, or superior to, the first-named product, material or equipment, in quality, utility and appearance and that the proposed substitution complies with all other requirements of the plans and specifications.
- I. University's Representative may reject any substitution not proposed in the manner and within the time limits prescribed herein.
- J. Substitutions are not allowed unless approved in writing by University's Representative. Any such approval shall not relieve Contractor from the requirements of the Contract Documents.
- K. The 35-day and 70-day submittal periods do not excuse Contractor from completing the Work within the Contract Time or excuse Contractor from paying liquidated damages if Final Completion is delayed.

- L. If revisions or modifications to the design or construction of the Work are necessitated by the use of a substitution, the substitution may be used only if the revisions and modifications are approved in writing by University's Representative. The University's Representative may refuse to approve any such proposed revisions or modifications where, in the reasonable opinion of University's Representative, Contractor has failed to demonstrate, through the procedures specified herein, that the revisions or modifications are not detrimental to the quality, utility and appearance of the Project or any portion of the Project.
- M. If a substitution request is finally rejected by University Representative, Contractor shall furnish and install:
1. the first-named product, material, or equipment; or
 2. a product, material, or equipment, other than the first-named product, material or equipment, specified by both brand or trade name and model number, provided Contractor complies with the submittal requirements (including deadlines) specified in Paragraph 1.2 herein.

2. PRODUCTS (NOT USED)

3. EXECUTION (NOT USED)

END OF SECTION

SECTION 01 26 00
CONTRACT MODIFICATION PROCEDURES

1. GENERAL

1.1 REQUEST FOR INFORMATION PROCEDURES

- A. This Paragraph contains the procedures to be followed by Contractor upon discovery of any apparent conflicts, omissions, or errors in the Contract Documents or upon having any question concerning interpretation.
- B. Procedures:
1. Notification by Contractor:
 - a. Submit all requests for clarification or additional information in writing to University's Representative using the Request for Information (RFI) form furnished by University's Representative or a similar form approved by University's Representative.
 - b. Number RFIs sequentially. Follow RFI number with sequential alphabetical suffix as necessary for each resubmission. For example, the first RFI would be "001." The second RFI would be "002." The first resubmittal of RFI "002" would be "002a."
 - c. Limit each RFI to one subject.
 - d. Submit an RFI if one of the following conditions occur:
 - 1) Contractor discovers an unforeseen condition or circumstance that is not described in the Contract Documents.
 - 2) Contractor discovers an apparent conflict or discrepancy between portions of the Contract Documents that appears to be inconsistent or is not reasonably inferred from the intent of the Contract Documents.
 - 3) Contractor discovers what appears to be an omission from the Contract Documents that cannot be reasonably inferred from the intent of the Contract Documents.
 - e. Contractor shall not:
 - 1) Submit an RFI as a request for substitution.
 - 2) Submit an RFI as a submittal.
 - 3) Submit an RFI under the pretense of a Contract Documents discrepancy or omission without thorough review of the Documents.
 - 4) Submit an RFI in a manner that suggests that specific portions of the Contract Documents are assumed to be excluded or by taking an isolated portion of the Contract Documents in part rather than whole.
 - 5) Submit an RFI in an untimely manner without proper coordination and scheduling of Work of related trades.If Contractor submits an RFI contrary to the above, Contractor shall pay the cost of all review, which cost shall be deducted from the Contract Sum.
 - f. Contractor shall submit request for information or clarification immediately upon discovery. Contractor shall submit RFIs within a time frame so as not to delay the Contract Schedule while allowing the full response time described below.
 2. Response Time:
 - a. University's Representative, whose decision will be final and conclusive, shall resolve such questions and issue instructions to Contractor within a reasonable time frame. In most cases, RFIs will receive a response within 14 days. If in the opinion of University's Representative more than 14 days is required to prepare a response to an RFI, Contractor will be notified in writing.
 - b. Should Contractor proceed with the Work affected before receipt of a response from University's Representative, within the response time described above, any portion of the Work which is not done in accordance with University's Representative's interpretations, clarifications, instructions, or decisions is subject to removal or replacement and Contractor shall be responsible for all resultant losses.
 - c. Failure to Agree: In the event of failure to agree as to the scope of the Contract requirements, Contractor shall follow procedures set forth in Article 4 of the General Conditions.

1.2 CHANGES IN THE WORK

- A. Refer to General Conditions, Article 7.
- B. Request for Estimate (RFE) and Special Drawings:
 1. Changes in the Work will be initiated by University's Representative in the written form of a RFE and numbered in sequence using the "500" series.
 2. Special Drawings that are issued with RFE's will be numbered in sequence using the RFE number.
 3. Contractor shall price and return RFE's within 7 days after receipt.
- C. Field Orders: Field Orders, if necessary to preclude unnecessary delays/costs, will be initiated by University's Representative and numbered sequentially using the "300" series.
- D. Change Orders will be numbered in sequence 1, 2, 3, etc.
- E. Clarification Drawings: Clarification Drawings will be numbered in sequence using "1000" series.

- F. Cost Proposals for changes as follows: Original and 2 copies to University's Representative, and 3 copies to University's Project Manager. (Attach RFE and/or Field Order to each Cost Proposal.)
1. Submit in accordance with the General Conditions.
- G. Cost Proposals shall show detailed breakdown of material, labor, etc., plus applicable percentages for Contractor Fee as specified in Article 7 of the General Conditions. (Sample format for submittal will be distributed at the Pre-Construction Meeting specified in Section 01 31 19, PROJECT MEETINGS.)
- H. University's Representative will prepare and process Change Orders. Final distribution will be made by University's Project Manager after Change Orders are fully executed.

2. PRODUCTS (NOT USED)

3. EXECUTION (NOT USED)

END OF SECTION

SECTION 01 30 00
ADMINISTRATIVE REQUIREMENTS

1. GENERAL

1.1 CONTRACTOR'S CORRESPONDENCE

- A. Contractor's correspondence directed to University's Representative.
1. Original to University's Representative.
 2. 1 copy to University's Project Manager.

1.2 UNIVERSITY'S REPRESENTATIVE'S CORRESPONDENCE

- A. University's Representative's correspondence directed to Contractor.
1. Original to Contractor.
 2. 1 copy to University's Project Manager.

1.3 CERTIFIED PAYROLL RECORDS

- A. In the event that Contractor or any of its Subcontractors that are required to submit certified payrolls fail to fully complete the web-based electronic certified payroll reporting (eCPR) applicable to any period covered by an Application for Payment, a delay in the University's processing said progress payment shall occur until the eCPR is completed. Refer to General Conditions and Supplementary Conditions Article 14.4.

1.4 CONTRACTOR'S DAILY REPORTS

- A. Contractor and each subcontractor on site shall completely fill out a Contractor's Daily Report, on forms furnished by University's Representative (refer to Exhibits, bound herein), for each day worked. It is the responsibility of Contractor to submit all Daily Reports, including those of subcontractors, by 9:00 a.m. the following work day. Failure to submit Daily Reports in a timely manner may result in delayed progress payment(s).

2. PRODUCTS (NOT USED)

3. EXECUTION (NOT USED)

END OF SECTION

SECTION 01 31 13
PROJECT COORDINATION

1. GENERAL

1.1 DESCRIPTION

- A. Coordinate the Work and do not delegate responsibility for coordination to any Subcontractor.
- B. Anticipate the interrelationship of all Subcontractors and their relationship with the Work.
- C. Resolve differences or disputes between Subcontractors concerning coordination, interference, or extent of Work between sections of the Work.
- D. Coordinate the Work of Subcontractors so that portions of the Work are performed in a manner that minimizes interference with the progress of the Work.
- E. Do not obstruct spaces and installations that are required to be clear by Applicable Code Requirements. Refer to Section 01 41 00, REGULATORY REQUIREMENTS.
- F. Apparatus and Equipment Locations:
 - 1. Locations of apparatus and equipment indicated on the Drawings are approximate only, and are subject to change to suit operational service as approved by University's Representative.
 - 2. Furnish and install apparatus and equipment in a manner and in locations which keep openings and passageways clear. Make changes in locations of equipment and materials which may be necessary to accomplish these purposes as approved by University's Representative.
- G. Do not cover any piping, wiring, ducts, or other installations until they have been inspected and approved, and required certificates of inspection issued.
- H. Remove and replace all Work which does not comply with the Contract Documents. Repair or replace any other Work or property damaged by these operations with no adjustment of Contract Sum.
- I. Coordinate all portions of the Work requiring careful coordination in order to fit in space available. Before commencing such portions of the Work, prepare supplementary Drawings for review by University's Representative.

2. PRODUCTS (NOT USED)

3. EXECUTION (NOT USED)

END OF SECTION

SECTION 01 31 19
PROJECT MEETINGS

1. GENERAL

1.1 PRECONSTRUCTION CONFERENCE

- A. Prior to commencement of Work, a pre-construction conference (Kick-Off Meeting) will be conducted by University's Representative to discuss procedures which are to be followed during performance of the Work.
- B. Location: As designated by University's Representative.
- C. Attending shall be:
 - 1. University's Representative.
 - 2. University.
 - 3. University's consultants and University's Representative's consultants, as appropriate.
 - 4. Contractor.
 - 5. Contractor's Superintendent.
 - 6. Subcontractors, as appropriate.
 - 7. Others, as appropriate.

1.2 BILLING MEETING

- A. A billing meeting shall be conducted by University's Representative each month prior to submittal of the Application for Payment.
- B. Location: As designated by University's Representative.
- C. Attending shall be:
 - 1. University's Representative.
 - 2. University.
 - 3. University's consultants and University's Representative's consultants, as appropriate.
 - 4. Contractor.
 - 5. Contractor's Superintendent.
 - 6. Subcontractors, as appropriate.
 - 7. Others, as appropriate.

1.3 PROGRESS MEETING

- A. During the course of construction, progress meetings will be held to discuss and resolve field problems. Progress meetings will be on a weekly basis unless determined otherwise by University's Representative.
- B. Location: As designated by University's Representative.
- C. Attending shall be:
 - 1. University's Representative.
 - 2. University.
 - 3. University's consultants and University's Representative's consultants, as appropriate.
 - 4. Contractor.
 - 5. Contractor's Superintendent.
 - 6. Subcontractors, as appropriate.
 - 7. Others, as appropriate.
- D. The minutes of these meetings will be prepared by University's Representative and issued as expeditiously as possible to:
 - 1. Contractor (number of copies agreed upon).
 - 2. University's Project Manager (number of copies agreed upon).
- E. Contractor shall submit in writing questions and answers (previously obtained verbally) to be confirmed at each meeting in sufficient numbers for distribution to each person in attendance.

1.4 GUARANTEES, BONDS, AND SERVICE AND MAINTENANCE CONTRACTS REVIEW MEETING

- A. Eleven months following the date of Beneficial Occupancy, Substantial Completion, if applicable, or Final Completion, whichever occurs earliest, a meeting shall be conducted by University for the purpose of reviewing the guarantees, bonds, and service and maintenance contracts for materials and equipment.
- B. Attending shall be:
 - 1. University.
 - 2. University's Consultants, as appropriate.
 - 3. Contractor.
 - 4. Subcontractors, as appropriate.
 - 5. Others, as appropriate.

1.5 AS-BUILT DRAWING REVIEW MEETING

- A. When required by University's Representative, a meeting shall be conducted by University's Representative every 30 days to review the as-built drawings. Refer to Section 01 78 39, PROJECT RECORD DOCUMENTS.
- B. Attending shall be:
 - 1. University's Representative.
 - 2. University.
 - 3. University's consultants, as appropriate.
 - 4. Contractor.

5. Subcontractors, as appropriate.
6. Others, as appropriate.

1.6 **NOT USED**

2. PRODUCTS (NOT USED)

3. EXECUTION (NOT USED)

END OF SECTION

**{UCLA: USE THIS SECTION ONLY FOR SMALLER, SIMPLER PROJECTS.
USE NEXT SECTION 01 32 00 FOR LARGER / CAPITAL PROGRAMS-MANAGED PROJECTS.}**

**SECTION 01 32 00
CONSTRUCTION PROGRESS DOCUMENTATION**

1. GENERAL

1.1 PRELIMINARY CONTRACT SCHEDULE

- A. Submission:
1. Submit the Preliminary Contract Schedule to University's Representative within 10 days after receipt of Notice of Selection as Apparent Lowest Responsible Bidder.
 2. Within 7 days after receipt of the Preliminary Contract Schedule, University's Representative will notify Contractor of its acceptance of, or its review comments about, the schedule so that appropriate adjustments may be made by Contractor in the development of the Contract Schedule.
- B. Form:
1. Prepare the Preliminary Contract Schedule as a CPM, time-scaled network diagram showing continuous flow from left to right.
 2. Prepare the Preliminary Contract Schedule in sufficient detail to demonstrate preliminary planning for the Work and to represent a practical plan to complete the Work within the Contract Time.
 3. Identify the following milestone events on the Preliminary Contract Schedule:
 - a. TBD
 4. Identify all holidays and non-working days on the Preliminary Contract Schedule.
- C. Activities: Identify all work activities which constitute the critical path.

1.2 CONTRACT SCHEDULE

- A. Submission:
1. Submit the Contract Schedule, in the form and having general content acceptable to University's Representative within 15 days following Notice to Proceed and prior to submitting the first Application for Payment.
 2. University's Representative will determine acceptability of the Contract Schedule within 7 days after its receipt.
 3. No Application for Payment will be processed nor shall any progress payment become due until the Contract Schedule is accepted by University's Representative.
- B. Form:
1. The Contract Schedule shall be a CPM, time-scaled network diagram showing continuous flow from left to right.
 2. Identify the following milestone events on the Contract Schedule:
 - a. Refer to Paragraph 1.1.B.3 above.
 3. Identify all holidays and non-working days on the Contract Schedule.
 4. If the Contract Schedule is shown on more than 1 sheet, furnish a summary sheet.
- C. Activities:
1. Identify all Work activities in correct sequence for the completion of the Work. Work activities shall include the following:
 - a. Major Contractor-furnished equipment, materials, and building elements, and scheduled activities requiring submittals or University's prior approval.
 - 1) Show dates for the submission, review, and approval of each submittal. Dates shall be shown for the procurement, fabrication, delivery, and installation of major equipment, materials, and building elements, and for scheduled activities designated by University.
 - 2) A minimum of 21 days shall be allotted for University's Representative to review each submittal.
 - b. System test dates.
 - c. Scheduled overtime Work if required by Contract Documents.
 - d. Dates Contractor requests designated working spaces, storage areas, access, and other facilities to be furnished by University.
 - e. Dates Contractor requests orders and decisions from University on designated items.
 - f. Dates Contractor requests University-furnished equipment.
 - g. Dates Contractor requests University-furnished utilities.
 - h. Connection and relocation of existing utilities.
 - i. Connecting to or penetrating existing structures.
 - j. Scheduled inspections as required by Codes, or as otherwise specified.
 2. Identify all Work activities that constitute the critical path.
 3. Critical Work activities are defined as Work activities which, if delayed or extended, will delay the scheduled completion of one or more of the milestones specified in this Section or the scheduled completion of the Work, or both. All other Work activities are defined as non-critical Work activities and are considered to have float.

4. Float is defined as the time that a non-critical Work activity can be delayed or extended without delaying the scheduled completion of milestones specified in this Section or the scheduled completion of the Work, or both. Neither Contractor nor University shall have an exclusive right to the use of float. The party using float shall document the effect on the updated Contract Schedule.
 5. Delays of any non-critical Work shall not be the basis for an extension of Contract Time until the delays consume the float associated with that non-critical Work activity and cause the Work activity to become critical.
 6. The presentation of each Work activity on the Contract Schedule shall include a brief description of the Work activity, the duration of the Work activity in days, and a responsibility code identifying the organization or trades performing the Work activity.
 7. Contractor shall furnish cost estimates for each Work activity which cumulatively equal the total contract cost. Mobilization costs may be shown separately; however, other costs, i.e., profit and bond shall be pro-rated throughout all activities.
- D. Updating:
1. Review the Contract Schedule with University's Representative once each week to incorporate in the Contract Schedule all changes in the progress, sequences, and scope of Work activities.
 2. Prepare and submit to University's Representative an updated Contract Schedule once each month, or as mutually agreed.
 - a. The updated Contract Schedule shall accurately represent the as-built condition of all completed and in-progress Work activities as of the date of the updated Contract Schedule.
 - b. The updated Contract Schedule shall incorporate all changes mutually agreed upon by Contractor and University during preceding periodic reviews and all changes resulting from Change Orders and Field Orders.
 - c. Contractor shall perform the Work in accordance with the updated Contract Schedule. Contractor may change the Contract Schedule to modify the order or method of accomplishing the Work only with prior agreement by University.
 3. Contractor shall submit the updated Contract Schedule, in the form acceptable to University's Representative, at least 7 days prior to submitting the Application for Payment.
 4. University's Representative will determine acceptability of the updated Contract Schedule within 7 days after its receipt.
 5. No Applications for Payment will be processed nor shall any progress payments become due until updated Contract Schedules are accepted by University's Representative.
 6. The accepted, updated Contract Schedule shall be the Contract Schedule of record for the period it is current and shall be the basis for payment during that period.

2. **PRODUCTS (NOT USED)**

3. **EXECUTION (NOT USED)**

END OF SECTION

UCLA: USE ONLY FOR LARGE CAP PROGRAM PROJECTS

SECTION 01 32 00
CONSTRUCTION PROGRESS DOCUMENTATION
(Network Analysis System)

1. GENERAL

1.1 DESCRIPTION

- A. The work specified in this Section identifies the requirements for the development and submittal of the Preliminary 90-Day Schedule, Contract Schedule, Monthly Status Reports and As-Built Schedules. The preparation and submittal of the Contract Schedule, procedures for its approval and revision, and the submittal, review and approval of the Monthly Status Reports are collectively referred to as the Network Analysis System (NAS). The planning, scheduling, management, and execution of the work in accordance with the Contract Documents is the responsibility of Contractor. The NAS requirements are established to ensure the adequate planning, scheduling and management of the Work by Contractor and to enable University's Representative to evaluate Work progress.

1.2 APPROVALS

- A. University's Representative shall have the right to accept or reject the performance by Contractor's own organization or the proposed scheduling consultant.
- B. Acceptance of the Contract Schedule will be a condition precedent to the making of any progress payment for work performed beyond 90 days from receipt of the Notice to Proceed (NTP).
- C. The required schedules and reports shall be prepared and submitted for review and approval in accordance with the General Conditions and this Section.
- D. For submittals due within the first 60 days following NTP, and prior to approval of the Contract Schedule, University's Representative review will not exceed 15 days from receipt of required submittals.
- E. The monthly updating of the Contract Schedule and reports shall be a required element of the estimate upon which progress payments will be made. Submittal by Contractor, and review and approval by University's Representative of these items shall be a condition precedent to the making of progress payments. If, in the judgment of University's Representative, Contractor fails or refuses to furnish a complete updated Contract Schedule or reports, as specified, Contractor will be deemed to have not furnished the required estimate upon which progress payments may be made, and shall not be entitled to such progress payments unless or until it has furnished the aforesaid schedules.

2. REQUIREMENTS

2.1 NAS COMPONENTS

- A. The NAS is comprised of 6 primary components:
1. Preliminary 90-Day Schedule.
 2. Contract Schedule.
 3. Schedule of Values.
 4. Updates to the Contract Schedule.
 5. Contract Schedule Revisions.
 6. As-Built Schedule.

2.2 PRELIMINARY 90-DAY SCHEDULE

- A. Contractor shall prepare a Preliminary 90-Day Schedule detailing the first 90 days following the issuance of NTP. The Preliminary 90-Day Schedule shall conform to all requirements identified below in Paragraph 2.3, CONTRACT SCHEDULE, with the exception that only those activities projected to begin within the first 90 days of the Contract need to be included. The Preliminary 90-Day Schedule shall be submitted within 10 days of receipt of Notice of Selection as Apparent Lowest Responsible Bidder for review by University's Representative. Upon completion of this review, University's Representative will either approve the Preliminary 90-Day Schedule or direct Contractor to amend and resubmit the Schedule 7 days after receipt of University's Representative's comments.
- B. The Preliminary 90-Day schedule shall identify all work activities which will take place during the first 90 days of the Project. This includes mobilization, submittals, procurement, fabrication, and construction activities. It shall also identify activities and milestones that may affect or be affected by the activities of University, utilities, and/or other third parties.
- C. The Preliminary 90-Day Schedule shall be accompanied by a narrative describing Contractor's approach to mobilization, procurement, and construction during the first 90 days. The narrative shall identify the basis for durations, production rates, equipment to be used, and shall identify major assumptions used to develop the schedule. Mobilization will be broken down into a minimum of two parts including:
1. Job site fencing, equipment, office trailer utility hook-up and furniture.
 2. Job site staff, office supply.
- D. During the first 90 day period, Contractor shall submit a Monthly Status Report on the first working day of the month. This narrative report shall describe the monthly accomplishments for the Project progress achieved to date, as well as objectives for the following month. Problems and proposed corrective action shall be addressed. The report shall be accompanied by an updated Preliminary 90-Day Schedule which identifies progress compared with the approved Preliminary 90-Day Schedule and a forecast for all in-progress activities as well as those which have not been started.

- E. The Preliminary 90-Day Schedule, and the logic, sequence and durations for activities contained therein shall establish the basis for all work scheduled during the first 90 days following NTP in the Contract Schedule submittal.
- F. Contractor shall prepare and submit a Preliminary Schedule of Values with the initial Preliminary 90-Day Schedule and all subsequent Monthly Status Report submittals prior to acceptance of the final Contract Schedule. The Preliminary Schedule of Values shall conform to all requirements identified in Paragraph 2.4, SCHEDULE OF VALUES, herein.
- G. The Preliminary Schedule and all associated submittals shall be developed utilizing Primavera Suretrak Version 2.0 for Windows or later, or equal scheduling software which is 100% compatible with Primavera. Submit digital copy to University's Representative.

2.3

CONTRACT SCHEDULE

- A. Contractor shall develop and maintain a network schedule for the Project in accordance with the requirements of this Section, demonstrating fulfillment of all Contract requirements. This Contract Schedule shall identify the planning, coordination and performance of all Work of this Contract, including all activities of Subcontractors, Vendors and Suppliers.
 - 1. The Contract Schedule shall include the following:
 - a. The Contract Schedule shall be comprised of a computer generated, logically networked schedule identifying all activities required to adequately plan and manage the Work to be accomplished. The Contract Schedule shall be a graphic depiction of the construction plan which identifies all sequential elements required to complete the Work and shall be developed utilizing the Precedence Diagram Method format of Critical Path Method (CPM) Scheduling for identifying all interrelationships among the scheduled activities.
 - b. The Contract Schedule and all associated submittals shall be developed utilizing Primavera Suretrak Version 2.0 for Windows or later, or equal scheduling software which is 100% compatible with Primavera. Should Contractor choose to utilize an automated scheduling system other than the above-referenced Primavera systems, Contractor shall, prior to Contractor's development of Preliminary 90-Day Schedule and Contract Schedule and no later than 5 days after the Notice to Proceed, submit same to University's Representative for approval. Prior to approval, Contractor shall, at its cost, demonstrate to University's Representative said software's capability of, as a minimum, producing schedules and documents which meet all criteria specified herein. If University's Representative approves the substitution, Contractor shall, at its cost, provide University with the software, hardware and training sufficient to operate Contractor's system for the duration of the Project.
 - c. All Project/Work Activities shall be of sufficient detail to furnish identification of all components utilized in executing, monitoring and evaluating progress of the Work. A Project/Work activity is defined as a schedule element which requires time and resources (manpower, equipment, materials, etc.) to complete in a continuous operation.
 - d. Activity descriptions shall briefly cover the scope of Work indicated. Activities shall be discrete items of Work that must be accomplished under the Contract and constitute definable, recognizable entities within the Project.
 - e. All activities shall have a defined duration. All durations shall be in multiples of working days.
 - f. Activities shall have durations of twenty (20) working days or less. Should an activity require more than twenty (20) working days, it shall be subdivided to define appropriate activities. University's Representative may approve using longer durations on non-construction activities, including the procurement and fabrication of materials and equipment.
 - g. Activities shall include Contract deliverables, including the submittal and approval of permit applications (as necessary), samples of materials, shop drawings, working drawings, inspection and test plans, safety and security plans, worksite control plans, utility company, Point-of-Connection (POC) installations and applications. In addition, activities shall be included for the procurement of materials and equipment impacting the critical path, fabrication of special materials and equipment and their installation and testing, and delivery of University-furnished items. Activities of University that may impact activities shall be reflected, as well as those of utilities and other similarly involved third parties.
 - h. The critical path activities shall be identified, including critical paths for Contract interim and final completion milestone dates. Critical Activities are defined as Work Activities which, if delayed, will delay the scheduled completion of the work (i.e. activities which comprise the path of least total float). All other Work Activities are defined as non-critical and are considered to have float.
 - i. Scheduled start or completion dates imposed on the schedule by Contractor shall be consistent with Contract milestones as identified in the Contract Documents. Milestone dates shall be defined as the interim and final completion milestone dates connected to the appropriate activities.
 - j. All activities shall be coded to allow logical summarization by Construction Specifications Institute (CSI) Division and Floor (as a minimum). Refer to Part 4,

ADDITIONAL SCHEDULE CODING REQUIREMENTS, herein for additional coding requirements.

- k. All activities for which costs may be associated (i.e. work activities) shall be manpower, resource and cost loaded in accordance with requirements defined herein in Paragraph 2.4, SCHEDULE OF VALUES.
 - l. Failure to include any element of work required for performance of this Contract shall not excuse Contractor from completing work required to achieve milestones, notwithstanding the acceptance of the Contract Schedule submittal.
 - m. All holidays and non-work periods shall be identified in the Contract Schedule's calendar.
 - n. Contractor shall not sequester float through strategies including extending activity duration estimates to consume available float, using preferential logic, using extensive or insufficient crew/resource loading, use of float suppression techniques, special lead/lag logic restraints or imposed dates. Use of float time disclosed or implied by the use of alternate float suppression techniques shall not be for the exclusive use or benefit of either University or Contractor.
 - o. It is acknowledged that University-caused time savings (i.e., critical path submittal reviews returned in less time than allowed by the Contract Documents, approval of substitution requests which result in a savings of time for Contractor, etc.) create float which shall not be for the exclusive use or benefit of either University or Contractor. Accordingly, University-caused delays may be offset by University-caused time savings.
 - p. Refer to General Conditions Paragraph 3.9.
2. Contract Schedule Submittal
- a. The Contract Schedule submittal shall include a Contract Schedule - Time Scaled Logic Diagram, computer generated reports, a computer generated cash flow and direct labor hour curves, and a narrative describing Contractor's approach for meeting the required interim and final completion milestone dates. The above items shall be submitted to University's Representative within 30 days after the date of NTP and shall use the NTP date as day number one. University's Representative will have 15 days after receipt of the submittal to respond. Upon receipt of comments from University's Representative, Contractor shall confer with University's Representative on the appraisal and evaluation of the proposed Contract Schedule. Necessary changes resulting from this review shall be made by Contractor, and the Contract Schedule submittal shall be resubmitted for acceptance within 7 days after the receipt of comments from University's Representative. Upon acceptance, the Contract Schedule shall establish the baseline from which changes in durations and logic will be determined. The logic, sequence and duration for activities for the first 90 days of the Contract Schedule shall be based on the Preliminary 90-Day Schedule. The accepted Contract Schedule shall furnish the basis for planning, scheduling, managing and executing the Work to be accomplished by Contractor.
 - b. The Contract Schedule - Time Scaled Logic Diagram shall be time-scaled (by week, starting Monday) and grouped (banded) by work areas and sorted by early start dates. The Contract Schedule shall be clear, neat and legible, and shall be sized as sheets 30 inches by 42 inches. Each sheet shall contain a title block and a revision block.
 - c. Reports and Curves - The initial submittal requires five separate computer generated reports, two separate computer generated cash flow and direct labor hour reports, and one each project cash flow and direct labor hour curve, as described below:
 - 1) Schedule Reports shall contain the following information as a minimum: activity identification number, activity description, estimated total duration, estimated remaining duration, computed or specified early start date, computed early finish date, computed late start date, computed or specified late finish date, and total float. These reports shall be produced as follows:
 - a) Ascending Activity Report - This report shall contain all activities as shown on the Contract Schedule listed in order of ascending activity number.
 - b) Total Float Report - This report shall contain all activities as shown on the Contract Schedule listed in the order of the ascending total float values.
 - c) Early Start Report - This report shall contain all activities as shown on the Contract Schedule listed in chronological order by early start date.
 - d) Predecessor/Successor Report - This report shall contain all activities as shown on the Contract Schedule listed in order of ascending activity number, and identify predecessor and successor activity number.
 - e) Subcontractor Activity Report - This report shall contain all activities grouped by Subcontractor as shown on the Contract Schedule listed in chronological order by early start date.

- 2) Cash Flow and Direct Labor Hour Reports
 - a) Cash Flow Report - This report shall contain activities as shown on the Contract Schedule listed in order of ascending activity number, and identify the total dollar value for each activity. It is recognized that not all costs will be identified by activities in the Contract Schedule. However, the total dollar value in the report must equal the total Contract value.
 - b) Direct Labor Hour Report - This report shall contain activities as shown on the Contract Schedule listed in order of ascending activity number, and identify the total direct labor hour value for each activity.
 - c) Project Cash Flow Curve - This curve shall display by month, the cumulative dollars planned for the duration of the Contract.
 - d) Project Direct Labor Hour Curve - This curve shall display by month, the cumulative direct labor hours planned for the duration of the Contract.
- d. Narrative - The Contract Schedule submittal shall include a narrative sufficient to explain the basis of Contractor's determination of durations and shall describe Contractor's approach for meeting the required interim and final completion milestone dates, as specified by the Contract. Such explanation shall be a "stand-alone" document that conveys to the reader, at a minimum: Contractor's basis and assumptions; restraints; critical path/activities and why they are critical; equipment requirements, production rates; activities requiring overtime, additional shifts, holidays and special non-workdays; potential problem areas; permits; coordination required with University, utilities or any other parties; and long lead delivery items. Should University's Representative require similar information on other activities, this information shall be supplied by Contractor at no additional cost to University.
- e. The Contract Schedule submittal shall include digital copy of the Contract Schedule - Time Scaled Logic Diagram, cash flow and direct labor hour data used to develop the submittals. All data shall be written to the digital medium via the P3 Backup utility. If Contractor utilizes a scheduling software system other than Primavera Suretrak Version 2.0 for Windows or later (refer to Paragraph 2.3.A.1.b above), all data shall be written to digital medium in the manner consistent with said scheduling software for data backup/transfer.
- f. The Contract Schedule submittal shall include the Contract Schedule - Time Scaled Logic Diagram, computer generated reports, and project cash flow and direct labor hour curves and narrative. Documents in one submittal shall have the same data date irrespective of the dates when the individual documents were prepared.

2.4 SCHEDULE OF VALUES

- A. All work activities which comprise the Contract Schedule and Preliminary 90-Day Schedule shall be manpower, resource and cost loaded and coded by CSI Division as specified in Paragraph 2.3.A.1.j herein. This will allow summarization of project budgets and actual costs by CSI Division (at a minimum) for establishment of the Schedule of Values (for sample, see Schedule 1 of Exhibit 4, APPLICATION FOR PAYMENT, bound herein). This summarization will be the basis for Contractor's monthly Application for Payment. Refer to Part 4, ADDITIONAL SCHEDULE CODING REQUIREMENTS, herein.
- B. The Schedule of Values shall include all Project manpower, resources and costs and shall total to equal the Contract Sum.
- C. Revision to the Schedule of Values shall be in accordance with the requirements specified in Paragraph 2.6, CONTRACT SCHEDULE REVISIONS, herein.

2.5 UPDATES TO THE CONTRACT SCHEDULE

- A. Monthly Status Report:
 1. Not later than 30 days after NTP and monthly thereafter, Contractor shall review with University's Representative a draft Monthly Status Report with data as of the date assigned by University's Representative for the reporting period in question. The list of data dates for the contract time of performance will be furnished by University's Representative at the Initial Weekly Progress Meeting (refer to Section 01 31 19, PROJECT MEETINGS).
 2. Contractor shall review the draft Monthly Status Report with University's Representative in a Monthly Status Meeting on the first work day of each month (refer to Section 01 31 19, PROJECT MEETINGS). The purpose of the meeting is the joint review and agreement on job status as included in the draft Monthly Status Report.
 3. After establishing job status, Contractor shall submit to University's Representative final copy of the Monthly Status Report within 5 days after the date of the review with University's Representative.
 4. The Monthly Status Report shall consist of:
 - a. An Updated Contract Schedule - Time Scaled Logic Diagram (format as specified under Paragraph 2.3.A.2.b), computer generated reports (format as specified under Paragraphs 2.3.A.2.c and 2.3.A.2.d). All data shall be written to digital medium via the P3 Backup utility (refer to Paragraph 2.3.A.2.e above).

- b. A Variance Report shall be submitted monthly comparing the approved Contract Schedule with the current month's updated Contract Schedule. The report shall include a description of all activities completed during the preceding month, a description of progress made, and planned activities listed as started but not completed on the updated Contract Schedule, and shall report all activities which have been delayed five (5) or more working days. The format of this report shall include:
- 1) Activity code and description.
 - 2) Scheduled early start/finish dates.
 - 3) Current anticipated early start/finish dates.
 - 4) Working days remaining to complete the activity.
 - 5) Percentage complete of the activity.
 - 6) Total float of the activity.
- c. A narrative which identifies the work actually completed and reflects the progress along the critical path in terms of days ahead of or behind the Contract interim and final completion milestone dates as specified in the Contract Documents. Specific requirements of the narrative are as follows:
- 1) Actual completion dates for activities completed during the report period.
 - 2) Actual start dates for activities started during the report period.
 - 3) Estimated start dates for activities scheduled to start during the month following the report period.
 - 4) Changes in the duration(s) of any activities and/or logic changes to activities which were performed in a different sequence than the accepted Contract Schedule.
 - 5) Identification of the current critical path(s) to interim and final completion milestones.
 - 6) Activities proposed to be added to the Contract Schedule.
 - 7) Identification of executed Change Orders that will be incorporated into the Contract Schedule, following approval by University's Representative.
 - 8) The narrative shall identify any variances or changes in the direct labor hour allocation, the cause, and the activities affected, and shall furnish an explanation of the proposed corrective action to meet the planned allocation as in the accepted Contract Schedule.
- d. If the Monthly Status Report indicates an actual or potential delay to the Contract interim or final completion milestone dates as specified in the Contract Documents, Contractor shall identify the problem, cause, and the specific activities affected and shall furnish a proposed corrective action plan to mitigate the indicated delays.
- e. Updated Project Cash Flow and Direct Labor Hour Curves:
- 1) Updated Project Cash Flow Curve which displays the cumulative planned versus cumulative actual as of the report period. Also, Contractor shall include a forecast of cost for the remaining Contract duration.
 - 2) Updated Project Direct Labor Hour Curve which displays the cumulative planned versus cumulative actual as of the report period. Also, Contractor shall include a forecast of direct labor hours for the remaining Contract duration.
- f. Incorporation of all University's Representative accepted schedule revisions.
- g. The mutually agreed-to Monthly Status Report shall be the basis for evaluating Contractor's progress. Documents in a single Monthly Status Report shall have the same data date irrespective of the dates of preparation of the individual documents.
- h. If the latest completion time for any required interim or final completion milestone date as indicated by the current Monthly Status Report does not fall within the time allowed by the Contract, Contractor shall prepare and submit a fragnet, as described in Paragraph 2.6 herein, from the Contract Schedule which identifies the plan to recover the lost time. Such recovery measures as concurrent operations, logic and sequence changes, additional manpower, additional shifts, or overtime, shall be adopted to ensure that Contract interim and final completion milestone dates will be met. Such fragnet schedules shall not be incorporated into the Contract Schedule until it has been reviewed and approved by University's Representative.
5. University's Representative may call for more frequent Contract Schedule status meetings (weekly, biweekly, etc.) at no cost to University at which Contractor will furnish the required information.
6. Weekly Updates:
- a. The Contract Schedule shall be updated to include current Project progress on a weekly basis.
 - b. Contractor shall prepare a Three Week Look-Ahead Schedule including a Three Week As-Built Schedule based on the Contract Schedule, for submittals and review at the Weekly Progress Meeting.

2.6

CONTRACT SCHEDULE REVISIONS

- A. Revisions to the accepted Contract Schedule shall be introduced to University's Representative in a Time Impact Analysis package, including a separate fragnet schedule for review and approval prior to

incorporation into the current Contract Schedule. This fragnet shall adhere to the requirements identified in Paragraph 2.3.A in the development of revisions and must clearly outline the impact of the revision within the context of the Contract Schedule. Each proposed revision shall be submitted on separate fragnets taken from the proposed revision with the following minimum components:

1. A time scaled logic diagram showing revised and affected activities, and how these activities are incorporated into the current Contract Schedule.
 2. An Activity Report and Predecessor/Successor Report as specified in Paragraph 2.3.A.2.c for all revised and affected activities.
 3. A narrative report identifying Contractor's basis for determining activity durations, assumptions, restraints, requirements and required coordination necessary to complete the revised/affected work contained in the fragnet schedule.
 4. All work activities contained in the fragnet schedule shall be manpower, resource and cost loaded.
 5. Any request for an adjustment of the Contract Time for completion submitted by Contractor for changes or alleged delays shall be accompanied by a complete Time Impact Analysis, which shall be submitted for review within 20 days after the request by Contractor. Time extensions will not be granted unless substantiated by the Contract Schedule, and then not until the Project float becomes zero.
 6. The Time Impact Analysis shall be determined on the basis of the date or dates when the change or changes were issued, or the date or dates when the alleged delay or delays began. The status of the Project and Time Impact Analysis shall include event time computation for all affected activities.
 7. University's Representative may require that Time Impact Analysis be furnished in order to demonstrate the time impact upon the overall Project and the time for completion, at no additional cost to University.
 8. If University's Representative determines after review of the Time Impact Analysis that Contractor is entitled to any extension of time for completion, the time for completion will be adjusted accordingly by University's Representative, and Contractor shall then revise the Contract Schedule accordingly.
 9. The Contract Schedule will be used in the calculation of liquidated damages or Compensable Delay for each day of delay after the Contract completion date, as adjusted, until the Work is accepted.
- B. Upon acceptance of the fragnet, all schedule, direct labor hour and cash flow data shall be added or revised for all new and/or revised activities for incorporation into the current Contract Schedule.
- C. Revisions to the Contract Schedule shall be submitted via digital medium containing the proposed revision. All data shall be written to the medium via the P3 Backup utility (refer to Paragraph 2.3.A.2.e above).

2.7 CONTRACT TIME ADJUSTMENTS

- A. Float time is not time for the exclusive use or benefit of either University or Contractor. Extensions of time for Contract performance as specified in the Contract will be granted only to the extent that time adjustments to the affected work items exceed the total float time along the affected paths of the Contract Schedule current at the time of the delay. Refer to General Conditions Article 8.3.

2.8 AS-BUILT SCHEDULE AND DOCUMENTATION

- A. Within 30 days after final acceptance of the Work by University, Contractor shall submit for University's Representative acceptance, an As-Built computer generated report, an As-Built Contract Schedule - Time Scaled Logic Diagram, and As-Built computer generated cash flow and direct labor hour curves. The documents shall be prepared in accordance with the requirements for Contract record drawings specified in Section 01 78 39, PROJECT RECORD DOCUMENTS, and in Paragraph 2.3.A.2 above. Final payment of retention will not be paid until this work is accomplished.

2.9 NAS DOCUMENTS

- A. Once accepted by University's Representative, and until they are superseded by subsequent approved iterations, NAS documents are part of the Contract and shall be used by Contractor for planning, organizing, and directing its work, for reporting progress and cash flow distribution and for determining adjustments to interim and final completion milestone dates as specified in the Contract Documents.
- B. Suspension of Payments: Should Contractor's NAS document submittals not be approved, University may suspend monthly progress payments for all or any portion of work performed per General Conditions Article 9.2. When Contract Schedules, or revisions as appropriate, satisfy the Contract Specifications and present a realistic approach to the Work required to meet the Contract completion date/interim milestone dates and form the basis for a reasonable cash flow distribution, University's Representative will approve the Contract Schedule and University will resume making progress payments. The determination as to whether the foregoing conditions have been met will be in the sole opinion of University's Representative, based on information furnished by Contractor as to Contractor's equipment, resources, crew sizes, crafts, planned unit rates, reasonableness of procurement times, costs, and other pertinent factors.

3. SUBMITTALS

3.1 GENERAL

- A. Except as modified in this Section 01 32 00, CONSTRUCTION PROGRESS DOCUMENTATION, the procedures specified in Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES, shall be observed.
- B. Contractor shall submit digital copy of each required schedule and report. Contractor shall also submit digital copy of the computer data used to produce the submittal as stated in this Section. Refer to Paragraph 2.2.B and 2.3.A.1.g herein.

3.2 **CONTRACTOR'S SCHEDULING ORGANIZATION/CONSULTANT**

- A. Within 10 days following receipt of Notice of Selection as Apparent Lowest Responsible Bidder and with signed Agreement, and prior to engaging a consultant or commencing performance of the work specified in this Section with its own forces, Contractor shall submit to University's Representative for approval:
 - 1. Information sufficient to show that Contractor's own organization or Contractor's proposed scheduling consultant has staff and computer facilities meeting the requirements specified herein.
 - 2. A list of prior projects for which Contractor's own organization or proposed scheduling consultant or staff thereof has performed services similar to those required for this Contract. Experience on a minimum of three (3) prior projects of similar size, and cost, and complexity is required.

3.3 **PRELIMINARY 90-DAY SCHEDULE SUBMITTALS**

- A. Bar chart schedule.
- B. Narrative of the schedule basis.
- C. Schedule of Values.

3.4 **CONTRACT SCHEDULE SUBMITTALS**

- A. Contract Schedule - Time Scaled Logic Diagram.
- B. Computer generated reports.
- C. Computer generated cash flow curve.
- D. Narrative of the schedule basis.
- E. Schedule of Values.

3.5 **STATUS REPORTS**

- A. Monthly Status Report Submittals:
 - 1. Updated Contract Schedule - Time Scaled Logic Diagram.
 - 2. Computer generated reports.
 - 3. Computer generated cash flow curve.
 - 4. Computer generated direct labor hour curve.
 - 5. Narrative of the schedule status.
 - 6. Schedule of Values.
- B. Weekly Three Week Look-Ahead Report.

3.6 **REVISIONS TO CONTRACT SCHEDULE SUBMITTALS**

- A. Contract Schedules - Time Scaled Logic Diagram.
- B. Computer generated reports.
- C. Computer generated cash flow curve.
- D. Computer generated direct labor hour curve.
- E. Narrative of the schedule basis.
- F. Schedule of Values.

3.7 **AS-BUILT SCHEDULE DOCUMENTATION**

- A. Contract Schedules - Time Scaled Logic Diagram.
- B. Computer generated reports.
- C. Computer generated cash flow curve.
- D. Computer generated direct labor hour curve.
- E. Narrative of the schedule basis.
- F. Schedule of Values.

4. ADDITIONAL SCHEDULE CODING REQUIREMENTS

4.1 **GENERAL**

- A. In addition to the requirements specified in Paragraph 2.3.A.1.j, comply with the following.
 - 1. Activity Identification Number: Each activity shall be identified by a unique nine (9) digit alpha/numeric code structured/partitioned as follows:
 - a. Sequence Numbers (First 5 Digits - Left Justified): This element shall be comprised of a numeric or alpha/numeric combination such that when combined with the additional three Activity Identification Number elements, furnishes a unique identifier.
 - b. Project Identifier (6th Digit from Left): The following character codes shall be utilized with this position to identify the Project elements:
 - 1) **UCLA-INDICATE THE LETTER DIGIT TO IDENTIFY THE PROJECT**
 - c. Construction Specifications Institute (CSI) Division (7th and 8th Digits from Left):
 - 1) 01 - General Requirements
 - 2) 02 - Sitework
 - 3) 03 - Concrete

- 4) 04 - Masonry
5) 05 - Metals
6) 06 - Wood and Plastics
7) 07 - Thermal and Moisture Protection
8) 08 - Doors and Windows
9) 09 - Finishes
10) 10 - Specialties
11) 11 - Equipment
12) 12 - Furnishings
13) 13 - Special Construction
14) 14 - Conveying Systems
15) 15 - Mechanical
16) 16 - Electrical
17) 17 - Hazardous Materials/Asbestos Abatement
- d. Floor Identifier (9th Digit from Left):
1) 1 - First Floor
2) 2 - Second Floor
3) 3 - Third Floor
4) 4 - Fourth Floor
5) 5 - Fifth Floor
6) 6 - Sixth Floor
7) 7 - Seventh Floor
8) 8 - Eighth Floor
9) 9 - Ninth Floor
10) 10 - Tenth Floor
11) A - A Level
12) B - B Level
2. Activity Coding: The following codes shall be applied as a minimum for all scheduled activities; additional codes may be added/utilized by Contractor for special requirements.
- a. Project Phase:
1) 0 - Submittals/Preconstruction (UCLA: DELETE REMAINING REFERENCES TO PHASES IF N/A)
2) 1 - Phase 1
3) 2 - Phase 2
4) 3 - Phase 3
5) 4 - Phase 4
- b. Sub-Phase:
1) C - Construction
2) S - Staging
- c. Work Type:
1) 05 - Submittals
2) 10 - Asbestos Abatement
3) 15 - Demolition
4) 20 - Utilities
5) 25 - Underground Utilities
6) 30 - Excavation/Foundation/Slab-On-Grade
7) 35 - Columns
8) 40 - Walls
9) 45 - Structural Steel
10) 50 - Plumbing
11) 55 - Fire Sprinklers
12) 60 - Mechanical/HVAC
13) 65 - Electrical
14) 70 - Drywall/Paint
15) 75 - Millwork/Casework
16) 80 - Fixtures/Hardware/Floor Coverings
17) 95 - Irrigation/Landscaping
18) 99 - Punch List
- d. Responsibility: Additional codes shall be defined by Contractor to identify responsible subcontractors.
1) O - University

END OF SECTION

SECTION 01 33 23
SHOP DRAWINGS, PRODUCT DATA & SAMPLES

1. GENERAL

1.1 REQUIREMENTS INCLUDED

- A. Shop Drawings, Product Data, and Samples, other than in connection with proposed substitutions, shall be submitted to University's Representative only when specifically required; and University's Representative will not review any other such submittals. Product Data and Samples for proposed substitutions shall be submitted to University's Representative in accordance with Section 01 25 13, **PRODUCT SUBSTITUTION PROCEDURES**. Contractor shall be responsible for obtaining such copies of Shop Drawings, Product Data, and Samples as it may require for its own use.

1.2 RELATED REQUIREMENTS

- A. Definitions:
1. The terms "Shop Drawings" and "Product Data" as used herein also include fabrication, erection, layout and setting drawings, manufacturers' standard drawings, descriptive literature, catalogues, brochures, performance and test data, wiring and control diagrams, all other drawings and descriptive data pertaining to materials, equipment, piping, duct and conduit systems, and methods of construction as may be required to show that the materials, equipment, or systems and the positions thereof conform to the Contract Documents.
 2. As used herein, the term "manufactured" applies to standard units usually mass-produced. The term "fabricated" means items specifically assembled or made out of selected materials to meet individual design requirements. Shop Drawings shall establish the actual detail of all manufactured or fabricated items, indicate correct relation to adjoining Work, and amplify design details of mechanical and electrical equipment in accurate relation to physical spaces in the structure.
- B. Manufacturers' Instructions: Where any item of Work is required by the Contract Documents to be furnished, installed, or performed in accordance with a specified product manufacturer's instructions, Contractor shall procure and distribute the necessary copies of such instructions to University's Representative and all other concerned parties; and Contractor shall furnish, install, or perform the Work in strict accordance therewith.
- C. Submittal Schedule:
1. A schedule for submission of Shop Drawings, Product Data, and Samples by Contractor (the "Submittal Schedule"), and their processing and return by University's Representative, shall be agreed upon by both parties in order that the items covered by these submittals will be available when needed by the construction process and so that each party can plan its workload in an orderly manner.
 2. Contractor shall prepare the Submittal Schedule using a form to be furnished by University's Representative at the Pre-Construction Meeting (see Section 01 31 19, **PROJECT MEETINGS**) and coordinate it with the Contract Schedule. No submittals will be processed before the Submittal Schedule has been submitted to and accepted by University's Representative, except in such cases where the processing of submittals is required before the acceptance of the Submittal Schedule.
 3. In preparing the Submittal Schedule, Contractor shall first determine from the Contract Schedule the date the particular item is needed for the Work. Working backwards, Contractor shall add the required number of days for shipment, time for fabrication, and similar items to determine the date of the first submittal.
 4. The Submittal Schedule shall be adjusted to meet the needs of the construction process and Contract Schedule. Submit digital copy of the Submittal Schedule after it is completed and each time it is updated by Contractor.

1.3 SHOP DRAWINGS

- A. Present information required on Shop Drawings in a clear and thorough manner. Identify details by reference to drawing and detail, schedule, or room numbers shown and specified. The room numbers referenced or shown shall be the University-assigned room numbers, which Contractor can obtain from University's Representative.

1.4 PRODUCT DATA

- A. Preparation:
1. Clearly mark each copy to identify pertinent products or models.
 2. Show performance characteristics and capacities.
 3. Show dimensions and clearances required.
 4. Show wiring or piping diagrams and controls.
- B. Manufacturers' standard schematic drawings and diagrams:
1. Modify the standard schematic drawings and other diagrams to delete information which is not applicable to the Work.
 2. Supplement standard information to furnish information specifically applicable to the Work.

1.5 SAMPLES

- A. Office Samples shall be of sufficient size and quality to clearly illustrate the following:
 - 1. Functional characteristics of the products, with integrally related parts and attachment devices.
 - 2. Full ranges of color, texture, and pattern.
- B. Field Samples and Mock-Ups:
 - 1. Erect at the Project site, at a location as directed by University's Representative.
 - 2. Size: As specified.
 - 3. Fabricate each Sample and mock-up to be complete and fully finished.
 - 4. Remove mock-ups at conclusion of Work.

1.6 CONTRACTOR'S REVIEW OF SUBMITTALS

- A. Review, mark up as appropriate, and stamp Shop Drawings, Product Data, and Samples prior to submission. Submittals shall clearly show that they have been reviewed by Contractor for conformance with the requirements of the Contract Documents and for coordination of the Work.
- B. Determine and Verify:
 - 1. Field measurements.
 - 2. Field construction criteria.
 - 3. Catalog numbers and similar data.
 - 4. Conformance with Contract Documents.
- C. Coordinate each submittal with requirements of the Work and of the Contract Documents.
- D. Notify University's Representative in writing, at time of submission, of any changes in the submittals from requirements of the Contract Documents.
- E. Begin no fabrication or Work which requires submittals until the return of University's Representative's final reviewed submittals.

1.7 SUBMISSION REQUIREMENTS

- A. Unless otherwise approved in advance by University's Representative, all submittals shall be in digital format (PDF in Optical Character Recognition [OCR]).
- B. Make submittals promptly in accordance with the Submittal Schedule and in such sequence as to cause no delay in the Work or in the work of any Separate Contractor.
- C. Number of Submittals Required:
 - 1. Shop Drawings: Submit (1) digital copy identified by section number and contents (i.e. Sec 05 1200 – Shop Drawings – Structural Steel). After checking, University's Representative will return the copy to Contractor.
 - 2. Product Data, Qualifications and Other Submittals: Submit (1) digital copy which will be retained by University's Representative. Each submittal (i.e. product literature, test reports, proof of qualifications, etc.) shall be submitted as individual files identified by their section number and contents. See examples below:
 - a. Sec 03 2600 – Test Report – Post Installed Anchors.
 - b. Sec 06 4116 – Qualifications – Casework Manufacturer.
 - 3. Samples: Submit the number specified in the Section which requires them.
- D. Submittals shall contain:
 - 1. Date of submission and dates of any previous submissions.
 - 2. Project name and number.
 - 3. Contract identification.
 - 4. The names of:
 - a. Contractor.
 - b. Subcontractor.
 - c. Supplier.
 - d. Manufacturer.
 - 5. Identification of the product, with the Specification Section number.
 - 6. Field dimensions, clearly identified as such.
 - 7. Relation to adjacent or critical features of the Work or materials.
 - 8. Reference standards, such as ASTM or Federal Specification numbers.
 - 9. Identification of changes from requirements of the Contract Documents.
 - 10. Identification of revisions on resubmittals.
 - 11. An 8-inch x 3-inch blank space for review stamps.
 - 12. Contractor's stamp, initialed or signed, certifying to the review of the submittal; verification of materials and field measurements and conditions; and compliance of the information within the submittal with requirements of the Work and of the Contract Documents.
- E. Resubmission Requirements:
 - 1. Shop Drawings and Product Data:
 - a. Revise Shop Drawings or Product Data, and resubmit as specified for the initial submittal.
 - b. Identify any changes which have been made other than those requested.
 - c. Note any departures from the Contract Documents or changes in previously reviewed submittals which were not commented upon by University's Representative.
 - 2. Samples: Submit new samples as required for initial submittal.
- F. Distribution:
 - 1. Distribute digital copies of Shop Drawings and Product Data, which carry University's Representative's review stamp, to the following locations:

- a. Contractor's Project site file.
 - b. As-built files maintained by Contractor.
 - c. Separate Contractors.
 - d. Subcontractors.
 - e. Supplier or manufacturer.
2. Distribute samples which carry University's Representative's review stamp as directed.
- G. University's Representative's Review: University's Representative will review Contractor's submittals, such as Shop Drawings, Product Data, and Samples, for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents. Review of such submittals is not conducted for the purpose of determining the accuracy and completeness of other details such as dimensions and quantities, or for substantiating instructions for installation or performance of equipment or systems, all of which remain the responsibility of Contractor as required by the Contract Documents.
- H. Submittal of Qualifications: Unless otherwise specified, when technical specification sections or drawings identify qualification criteria (prior experience; certification; manufacturer approval; etc.) for any entity (installer; manufacturer; engineer; testing agency; etc.), Contractor shall submit proof that the entity meets said criteria at least 15 days prior to start of the applicable work.

2. PRODUCTS (NOT USED)

3. EXECUTION (NOT USED)

END OF SECTION

SECTION 01 35 13
SPECIAL PROJECT PROCEDURES

1. GENERAL

1.1 HAZARDOUS MATERIALS PROCEDURES

- A. Refer to General Conditions Article 3.19.
- B. Lead Based Paint (LBP):
1. Lead coatings may exist on this Project site, and Work may involve the demolition, removal and disposal of materials coated in LBP. University will disclose all known information about such hazards, including location and quantity of lead in coating materials. If further information is desired, Contractor shall furnish sampling and analysis.
 2. Where LBP is determined or suspected to exist, Contractor shall comply with all regulations pertaining to its removal, including the Cal/OSHA Lead Construction Standard (CCR Title 8 section 1532.1), CDPH Work Practices for Lead-Based Paint and Lead Hazards (CCR Title 17, Div 1 Chap 8) and the General Industry Safety Orders hazard communication requirements (CCR Title 8 section 5194). Contractor shall furnish all required employee monitoring, personal protective equipment, and engineering controls designed to minimize lead exposures. Contractor is responsible for characterization and disposal of all lead-containing waste and debris. University will furnish environmental monitoring.
 3. During construction and demolition work, Contractor shall prevent lead dust contamination of surrounding areas. Contractor shall contact University's Office of Environment, Health & Safety regarding all Project elements which may result in significant migration of lead-containing materials off the Project site. Currently, the Department of Toxic Substances Control does not generally consider intact painted building materials to be hazardous wastes. Paint separated from its substrate shall be evaluated independently from the building material to determine proper management. Materials or solvents meeting the requirements of a Federal Hazardous Waste as determined by CCR Title 22 shall be disposed of at a location approved in advance by University's Office of Environment, Health & Safety.
 4. When an employee may be occupationally exposed to lead-containing coatings or paint associated with construction and/or maintenance activities, Contractor is responsible for complying with Cal/OSHA Lead Construction Standard (CCR Title 8, Section 1532.1).

1.2 CONSTRUCTION IMPACT RISK ASSESSMENT (CIRA) / INFECTION CONTROL RISK ASSESSMENT (ICRA) FORMS AND PROCEDURES **PM: PLEASE CONFIRM WHETHER CIRA/ICRA PROCEDURES APPLY TO THIS PROJECT. IF SO, PLEASE EMAIL PDF OF LATEST VERSION OF THE FORMS.**

- A. Refer to CIRA/ICRA forms attached following this section, and comply with all requirements therein.

1.3 CONTRACTOR'S HANDBOOK - UCLA HEALTH SYSTEM **PM: PLEASE CONFIRM WHETHER HANDBOOK PROCEDURES APPLY TO THIS PROJECT. IF SO, PLEASE EMAIL PDF OF LATEST VERSION OF THE HANDBOOK.**

- A. Refer to the Contractor's Handbook – UCLA Health System, attached following this section, and comply with all requirements therein.

2. PRODUCTS (NOT USED)

3. EXECUTION (NOT USED)

END OF SECTION

SECTION 01 35 43
ENVIRONMENTAL PROCEDURES

1. GENERAL

1.1 DUST CONTROL, AIR POLLUTION AND ODOR CONTROL

- A. Contractor shall employ measures to prevent the creation of dust, air pollution and odors.
1. Comply with SCAQMD Rules 401, 402 and 403.
 2. Unpaved areas where vehicles are operated shall be periodically wetted down or given an equivalent form of treatment as defined in Air Quality Management District (AQMD) Rule 403 to eliminate dust formation.
 3. All volatile liquids including fuels or solvents shall be stored in closed containers.
 4. No open burning of debris, lumber or other scrap will be permitted.
 5. Equipment shall be maintained in a manner to reduce gaseous emissions.
 6. Use alternative fuel construction equipment (i.e., compressed natural gas, liquid petroleum gas, unleaded gasoline) and low-emission diesel construction equipment to the extent that the equipment is readily available and cost effective.
 7. Stockpiles of excavated materials shall be covered with material approved by University's Representative.
 8. Refer to Section 01710, CLEAN-UP & DISPOSAL, Paragraph 3.1.B, for silt clean up.

1.2 NOISE CONTROL

- A. The following noise control procedures shall be employed:
1. Maximum Noise: The Contractor shall use equipment and methods during the course of this work that are least disruptive to adjacent offices or residences. Noise levels for trenchers, graders, trucks and pile drivers shall not exceed 90 dBA at 50 feet as measured under the noisiest operating conditions. For all other equipment, noise levels shall not exceed 85 dBA at 50 feet.
 2. Equipment: Jack hammers shall be equipped with exhaust mufflers and steel muffling sleeves. All diesel equipment shall have exhaust muffled. Air compressors shall be of a quiet type such as a "whisperized" compressor.
 3. Operations: Machines shall not be left idling. Electric power shall be used in lieu of internal combustion engine power wherever possible. Equipment shall be maintained to reduce noise from vibration, faulty mufflers, or other sources.
 4. Scheduling: Noisy operations shall be scheduled so as to minimize their disturbance to occupied adjacent areas and duration at any given location.

1.3 STORM WATER POLLUTION CONTROL - LESS THAN ONE ACRE: (PM: PER CAP PROGRAMS' TRACY DUDMAN, THIS LANGUAGE IS TO BE USED FOR ALL PROJECTS WHERE THE PROJECT CONSTRUCTION LIMIT (AREA OF POTENTIAL EARTH DISTURBING ACTIVITY) IS LESS THAN 1 ACRE. THE PROJECT MUST INCLUDE IMPLEMENTATION OF SITE DESIGN MEASURES ON PROJECTS THAT CREATE OR REPLACE 2,500-5,000 SF IMPERVIOUS AREA. PLEASE CONFIRM IF THIS IS APPLICABLE TO YOUR PROJECT. CONTACT TRACY WITH QUESTIONS.)

- A. Contractor is required to implement measures for site design, source control, runoff reduction, storm water treatment and baseline hydromodification for a project less than one acre in size.
1. Contractor shall implement measures designed to evapotranspire, infiltrate, harvest/use, and/or bio-treat storm water to meet at least one of the following hydraulic sizing design criteria:
 - a. Volume Criteria: determined using Urban Runoff Quality Management, WEF Manual of Practice No. 23/ASCE Manual of Practice No. 87 (1998) pages 175-178 (approx. 85th percentile 24-hour storm).
 - b. Volume Criteria: volume of annual runoff required to achieve 80% or more capture determined in accordance with Section 5 of CAQA's Storm water BMP Handbook (2003) using local rainfall data.
 - c. Flow-Based Criteria: runoff produced from rain event equal to or greater than 1.2 inches/hour.
 - d. Flow-Based Criteria: runoff produced from rain event equal to at least 2 times the 85th percentile hourly rainfall intensity.
 2. Site Design Measures shall be based on objective of achieving infiltration, evapotranspiration, and/or harvest/reuse of the 85th percentile rainfall event, to meet the numeric sizing criteria.
 3. Contractor shall submit a Storm Water Pollution Prevention Plan (SWPPP) detailing measures to be implemented and hydraulic sizing design criteria to be met.

1.3 STORM WATER POLLUTION CONTROL - GREATER THAN ONE ACRE: (PM: PER CAP PROGRAMS' TRACY DUDMAN, THIS LANGUAGE IS TO BE USED FOR

ALL PROJECTS WHERE THE PROJECT CONSTRUCTION LIMIT (AREA OF POTENTIAL EARTH DISTURBING ACTIVITY) IS GREATER THAN 1 ACRE. PLEASE CONFIRM IF THIS IS APPLICABLE TO YOUR PROJECT. CONTACT TRACY WITH QUESTIONS.

- A. The Contractor shall take all precautionary actions to prevent or reduce the discharge of pollutants from construction activities (including paving operation, concrete waste washouts, cold milling, water line flushing and vehicle and equipment fueling) from entering storm drain system. These precautionary actions are required as dictated by the Statewide General Permit issued by the State Water Resource Control Board (SWRCB) entitled "Order No. 2012-0006-DWQ, National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000002, Waste Discharge Requirements (WDRS) for Discharges of Storm Water Associated with Construction Activity," (General Construction Permit) which regulates discharges of storm water and non-storm water from construction activities disturbing one acre or more of soil in a common plan of development. Copies of the permit and modifications are available for review at www.swrcb.ca.gov/stormwtr/construction.html.
- B. Contractor shall prepare a Storm Water Pollution Prevention Plan (SWPPP). Contractor shall include in the SWPPP and implement as a minimum, the Best Management Practices (BMPs) indicated SWPPP. Additional BMPs may be required as warranted to maintain compliance with the General Construction Permit. The SWPPP shall be prepared in conformance with the requirements of the General Construction Permit, and all BMPs shall be implemented consistent with the California Stormwater Quality Association (CASQA) Stormwater Best Management Practice Handbook (January 2003). Copies of the handbook are available through the Internet web site www.sabmphandbooks.com. Contractor shall include the following items in the SWPPP:
1. Revisions to the BMP layout sheets (attachment B) as appropriate.
 2. Name and contact information for a designated Storm Water Pollution Control Manager for the Project (Sec 300).
 3. Materials used in construction (update list in Sec 500).
 4. Materials stored on site (update list in Sec 500).
 5. Construction activities with potential to contribute sediment to storm water discharges (update list in Sec 500).
 6. Emergency measures to be employed (update list in Sec 500).
 7. Non-storm water control BMPs to be employed with descriptions (update list in Sec 500).
 8. Waste Management narrative description of each BMP to be employed (update list in Sec 500).
 9. Identify sampling locations prior to start of construction activities, based on activities scheduling (update list in Sec 600).
 10. Identify Sampling personnel and Lab for sampling analysis.
 11. Attachment C – Completed BMP Consideration Checklist.
 12. Attachment D – Completed Runoff Computation Sheet.
 13. Attachment E - Completed Run-on Coefficient Computation Sheet.
 14. NOI (furnished by University).
 15. Attachment I - Trained Contractor personnel log Information.
 16. Attachment N – Copies of Other plans and permits (furnished by University).
 17. Attachment P – Cut sheets of BMPs selected for the project.
- C. Within (10) working days after the dated specified in the Notice to Proceed of Phase 2, Contractor shall submit digital copy of the draft SWPPP to University's Representative. University's Representative will have (10) working days to review the SWPPP. If revisions are required, as determined by University's Representative, Contractor shall have 5 days to revise and resubmit. No work having potential to cause water pollution shall be performed until the SWPPP has been accepted by University's Representative.
- D. The SWPPP shall be amended whenever there is a change in construction or operations that may affect the discharge of pollutants and at a minimum once annually 30 days prior to the beginning of the Wet Season (Wet Season begins on October 1). This annual amendment shall include updated Water Pollution Control Drawings to reflect the then current site conditions and a schedule for implementation of Sediment and Erosion Control BMPs prior to the beginning of the Wet Season.
- E. Upon the approval of SWPPP, Contractor shall be responsible throughout the duration of the Project for installing, constructing, inspecting, maintaining, removing, and disposing of the water pollution control practices specified in the Project SWPPP.

2. PRODUCTS (NOT USED)

3. EXECUTION (NOT USED)

END OF SECTION

SECTION 01 41 00
REGULATORY REQUIREMENTS

1. GENERAL

1.1 DESCRIPTION

- A. The Work shall be performed in accordance with Applicable Code Requirements and applicable requirements of all other regulatory agencies, including the following:
1. California Code of Regulations (CCR), Title 8, Industrial Safety.
 2. CCR, Title 13, Hazardous Materials Transportation.
 3. CCR, Title 17, Radiation Safety.
 4. CCR, Title 19, Public Safety.
 5. CCR, Title 20, Public Utilities and Energy.
 6. CCR, Title 21, Public Works.
 7. CCR, Title 23, Underground Storage Tank Regulations.
 8. CCR, Title 24
 - a. Part 1, Building Standards Administrative Code (2016).
 - b. Part 2, California Building Code (2013 IBC with 2016 California Amendments).
 - c. Part 3, California Electrical Code (2014 NEC with 2016 California Amendments).
 - d. Part 4, California Mechanical Code (2015 UMC with 2016 California Amendments).
 - e. Part 5, California Plumbing Code (2015 UPC with 2016 California Amendments).
 - f. Part 6, California Energy Code (2016).
 - g. Part 7, California Elevator Safety Construction Code.
 - h. Part 8, California Historical Building Code.
 - i. Part 9, California Fire Code (2015 IFC with 2016 California Amendments).
 - j. Part 10, California Code for Building Conversion.
 - k. Part 11, California Green Building Standards Code (2016).
 - l. Part 12, California Referenced Standards Code (2016).
 9. CCR, Title 25, Housing and Community Development.
 10. CCR, Title 26, Toxics.
 11. National Fire Protection Association (NFPA): Use current edition of NFPA shown in Chapter 35 of the 2016 California Building Code (CBC).
- B. When the California Building Code does not specifically cover any subject relating to building design and construction, recognized fire prevention engineering practices shall be employed. The following may be used as authoritative guides when determining recognized fire prevention engineering practices:
1. The National Fire Codes.
 2. The Fire Protection Handbook.
- C. Unless otherwise specified, specific references to codes, regulations, standards, manufacturers' instructions, or requirements of regulatory agencies, when used to specify requirements for materials or design elements, shall mean the latest edition of each in effect at the date of submission of bids, or the date of the Change Order or Field Order, as applicable.
- D. Representatives of the Los Angeles City Fire Department, Division of State Architect (DSA) and California Occupational Safety and Health Act (Cal/OSHA) have the right to inspect all Work and workplace conditions.
- E. In accordance with California Labor Code ("CLC") Section 3099.2, all employees performing electrical work for a contractor/subcontractor holding a C-10 license shall become certified pursuant to CLC Section 3099.

1.2 CONFLICTS

- A. If a conflict exists between referenced regulatory requirements or between referenced regulatory requirements and the Contract Documents, Contractor shall notify University's Representative and request that the conflict be resolved. The fact that the Contract Documents may establish higher or more costly requirements than the minimum Code or other regulatory requirements referenced above shall not constitute a "conflict."

2. PRODUCTS (NOT USED)

3. EXECUTION (NOT USED)

END OF SECTION

SECTION 01 42 00
REFERENCES

1. GENERAL

1.1 ABBREVIATIONS

A.	The following abbreviations of organizations may be used in the Contract Documents.
AA	Aluminum Association
AABC	Associated Air Balance Council
AAMA	Architectural Aluminum Manufacturers Association
AAN	American Association of Nurserymen, Inc.
AASHTO	American Association of State Highway and Transportation Officials
ABPA	Acoustical and Board Products Association
ACI	American Concrete Institute
ACIL	American Council of Independent Laboratories
ACPA	American Concrete Pipe Association
ADA	Americans with Disabilities Act
ADC	Air Diffusion Council
AFBMA	Anti-Friction Bearing Manufacturers Association
AFI	Air Filter Institute
AGA	American Gas Association
AGC	Associated General Contractors of America
AHERA	Asbestos Hazard Emergency Response Act
AI	The Asphalt Institute
AIA	American Institute of Architects
AIMA	Acoustical Insulating Material Association
AISC	American Institute of Steel Construction, Inc.
AISI	American Iron and Steel Institute
AITC	American Institute of Timber Construction
ALSC	American Lumber Standards Committee
AMCA	Air Moving and Conditioning Association
ANSI	American National Standards Institute
AOAC	Association of Official Analytical Chemists
APA	American Plywood Association
API	American Petroleum Institute
AQMD	Air Quality Management District
ARI	Air-Conditioning and Refrigeration Institute
ASA	American Standards Association
ASAH	American Society of Architectural Hardware Consultants
ASHRAE	American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
ASME	American Society of Mechanical Engineers Association, Inc.
ASTM	American Society for Testing and Materials
AWCI	Association of Wall and Ceiling Industries
AWI	Architectural Woodwork Institute
AWPA	American Wood-Preservers' Association
AWPB	American Wood Preservers Bureau
AWPI	American Wood Preservers Institute
AWS	American Welding Society, Inc.
AWWA	American Water Works Association, Inc.
BHMA	Builders Hardware Manufacturers Association
BIA	Brick Institute of America
BOCA	Building Officials and Code Administrators
CAC	California Administrative Code
Cal/OSHA	California Occupational Safety and Health Act
CARB	California Air Resources Board
CBM	Certified Ballast Manufacturers Association
CCR	California Code of Regulations
CDA	Copper Development Association, Inc.
CE	Corps of Engineers (U. S. Dept. of the Army)
CEC	California Energy Commission
CESO	California Elevator Safety Order
CGA	Compressed Gas Association
CLFMI	Chain Link Fabric Manufacturers Institute
CLPCA	California Lathing and Plastering Contractors Association, Inc.
CPSC	Consumer Product Safety Commission
CRSI	Concrete Reinforcing Steel Institute
CS	Commercial Standards of NBS (U.S. Dept. of Commerce)
CTI	Cooling Tower Institute
CTLA	Council of Tree and Landscape Appraisers

DHI	Door & Hardware Institute
DISS	Diameter Index Safety System
EPA	Environmental Protection Agency
ETL	Electrical Testing Laboratories
FFDA	Federal Food and Drug Administration
FIA	Factory Insurance Association
FM	Factory Mutual Engineering Corp.
FS	Federal Specification
FSC	Forest Stewardship Council
GA	Gypsum Association
GANA	Glass Association of North America (formerly FGMA)
GFI	Ground Fault Interrupter
GBCI	Green Building Certification Institute
HEPA	High Efficiency Particulate Air
HI	Hydronics Institute
HMI	Hoists Manufacturers Institute
HMMA	Hollow Metal Manufacturers Association
HPMA	Hardwood Plywood Manufacturers Association
IBEW	International Brothers of Electrical Workers
IBR	Institute of Boiler and Radiator Manufacturers
ICBO	International Conference of Building Officials
ICEA	Insulated Cable Engineering Association
IEEE	Institute of Electrical and Electronic Engineers
IEC	International Electric Code
IES	Illuminating Engineers Society
IGCC	Insulation Glass Certification Council
ISA	Instrument Society of America
LEED	Leadership in Energy & Environmental Design
LIA	Lead Industries Association
MFMA	Maple Flooring Manufacturers Association
MIA	Marble Institute of America
MIL	U.S. Government, Military Specification
MLSFA	Metal Lath/Steel Framing Association
MOC	Ministry of Communications General
MSHA	Mine Safety and Health Administration
MSS	Manufacturers Standardization Society of Valve and Fittings
NAA	National Arborist Association
NAAB	National Association of Air Balance
NAAMM	The National Association of Architectural Metal Manufacturers
NACE	National Association of Corrosion Engineers
NBFU	National Board of Fire Underwriters
NBGQA	National Building Granite Quarries Association, Inc.
NBHA	National Builders' Hardware Association
NBS	National Bureau of Standards (U. S. Dept. of Commerce)
NCMA	National Concrete Masonry Association
NCPWB	National Certified Pipe Welding Bureau
NEBB	National Environmental Balancing Bureau
NEC	National Electrical Code by NFPA
NECA	National Electrical Contractors Association
NEMA	National Electrical Manufacturers Association
NESHAP	National Emissions Standard for Hazardous Air Pollutants
NETA	International Electrical Testing Association
NFPA	National Fire Protection Association
NHLA	National Hardwood Lumber Association
NICET	National Institute for Certification in Engineering Technologies
NIOSH	National Institute of Occupational Safety and Health
NPA	National Particleboard Association
NRC	Noise Reduction Coefficient
NRCA	National Roofing Contractors Association
NRMCA	National Ready Mixed Concrete Association
NSF	National Sanitation Foundation
NUSIG	National Uniform Seismic Installation Guidelines
NWMA	National Woodwork Manufacturers Association, Inc.
NWWDA	National Wood Window and Door Association
OPL	Omega Point Laboratories
OSHPD	Office of Statewide Health Planning and Development
PCA	Portland Cement Association
PCB	Polychlorinated Biphenyl
PCI	Prestressed Concrete Institute
PDI	Plumbing and Drainage Institute

PI	Perlite Institute
PS	Product Standard of NBS (U.S. Dept. of Commerce)
RFCI	Resilient Floor Covering Institute
RIS	Redwood Inspection Service (Grading Rules)
SAE	Society of Automotive Engineers
SAS	Saudi Arabian Standard Organization
SBC	State Building Code
SCAQMD	South Coast Air Quality Management District
SDI	Steel Door Institute
SIGMA	Sealed Insulating Glass Manufacturers Association
SJI	Steel Joist Institute
SMACNA	Sheet Metal & Air Conditioning Contractors' National Assoc., Inc.
SPIB	Southern Pine Inspection Bureau (Grading Rules)
SSPC	Society for Protective Coatings
STC	Sound Transmission Coefficient
SWI	Sealant and Waterproofers Institute
TCA	Tile Council of America, Inc.
UBC	Uniform Building Code
UFAS	Uniform Federal Accessibility Standards
UHMW	Ultra-High Molecular Weight
UL	Underwriters' Laboratories, Inc.
UMC	Uniform Mechanical Code
UPC	Uniform Plumbing Code
USDA	United States Department of Agriculture
USGBC	United States Green Building Council
USSG	United States Steel Gauge
WCLIB	West Coast Lumber Inspection Bureau (Grading Rules)
WH	Warnock Hersey
WIC	Woodwork Institute of California
WWPA	Western Wood Products Association (Grading Rules)

1.2 DEFINITIONS

- A. The following terms, when used on the Drawings or in the Specifications, shall have the following meanings:
1. ADEQUATE; CAREFUL; PROPER; SUFFICIENT; SUITABLE; SATISFACTORY: These terms refer to interpretation by University's Representative, and are subject to approval upon request.
 2. APPLICABLE CODES: "Codes listed in Section 01 41 00, REGULATORY REQUIREMENTS."
 3. APPROVED: "As approved by University's Representative."
 4. AS DIRECTED: "As directed by University's Representative."
 5. AS REQUIRED: "As required by Applicable Code Requirements; by good building practice; by the conditions prevailing; by the Contract Documents; by University, or by University's Representative."
 6. AS SELECTED: "As selected by University's Representative."
 7. BY OTHERS: Work on the Project that is outside the scope of Work to be performed by Contractor under the Contract, but that will be performed by University, Separate Contractors, or other means.
 8. EQUAL: Of same quality, appearance, and utility to that specified, as determined by University's Representative. Contractor bears the burden of proof of equality.
 9. FURNISH: "Supply only, not install (unless required to be provided or installed elsewhere in the Contract Documents)."
 10. INCLUDE/INCLUDING: "Include/including, without limitation."
 11. INSTALL: "Install or apply only, not furnish (unless required to be provided or furnished elsewhere in the Contract Documents)."
 12. MANUFACTURER'S DIRECTIONS/INSTRUCTIONS/RECOMMENDATIONS/SPECIFICATIONS: Manufacturer's written directions, instruction, recommendations, specifications.
 13. MUST; SHALL; TO; WILL: When used as a directive to Contractor, these terms indicate a mandatory action.
 14. NECESSARY: "Essential to completion of Work".
 15. UNIVERSITY-FURNISHED, CONTRACTOR INSTALLED: "To be furnished by University at its cost and installed by Contractor as part of the Work."
 16. PROJECT SITE; JOB SITE: Geographical location of the Project.
 17. PROVIDE: "Furnish and install".
 18. SHOWN: "As indicated on the Drawings".
 19. SPECIFIED: "As written in the Contract Documents."
 20. SUBMIT: "Submit to University's Representative."

2. PRODUCTS (NOT USED)

3. EXECUTION (NOT USED)

END OF SECTION

SAMPLE ONLY

SECTION 01 43 00
QUALITY ASSURANCE

1. GENERAL

1.1 GENERAL

- A. Definitions:
1. The term "University's Testing Laboratory" means a testing laboratory retained and paid for by University for the purpose of reviewing material and product reports and performing other services as determined by University.
 2. The term "Contractor's Testing Laboratory" means a testing laboratory retained and paid for by Contractor to perform the testing services required by the Contract Documents. Contractor's Testing Laboratory shall be an organization other than University's Testing Laboratory and shall be acceptable to University's Representative. It may be a commercial testing organization, the testing laboratory of a trade association, the certified laboratory of a supplier or manufacturer, Contractor's own forces, or other organization. Contractor's Testing Laboratory shall have performed testing of the type specified for at least 5 years.
- B. Tests, inspections, and acceptances of portions of the Work required by the Contract Documents or by Applicable Code Requirements shall be made promptly to avoid delay of the Work. Except as otherwise specified, Contractor shall make arrangements for such tests, inspections, and approvals with Contractor's Testing Laboratory. Contractor shall give University's Representative timely notice of when and where tests and inspections are to be made.
- C. If such procedures for testing, inspection, or acceptance reveal failure of the portions of the Work to comply with requirements established by the Contract Documents, Contractor shall bear all costs made necessary by such failure including those of repeated procedures and compensation for University's Representative's services and expenses.
- D. If University's Representative is to observe tests, inspections, or make acceptances required by the Contract Documents, University's Representative will do so promptly and, where practicable, at the normal place of testing.
- E. Do not incorporate into the Work materials represented by samples under test without the written approval of University's Representative.

1.2 CONTRACTOR'S RESPONSIBILITIES REGARDING UNIVERSITY'S TESTING LABORATORY

- A. Secure and deliver to University's Testing Laboratory specified quantities of representative samples of materials proposed for use as specified.
- B. Submit to University's Testing Laboratory the preliminary design mixes proposed to be used for concrete and other materials which require review by University's Testing Laboratory.
- C. Submit digital copy of product test reports as specified.
- D. Furnish incidental labor and facilities:
1. To furnish University's Testing Laboratory access to Work to be tested.
 2. To obtain and handle samples at the Project site or at the source of the product to be tested.
 3. To facilitate inspections and tests.
 4. For storage and curing of test samples.
- E. Submit written notice to University's Representative and University's Testing Laboratory 72 hours in advance of operations to allow for assignment of personnel and scheduling of tests.
- F. When tests or inspections are not performed after such notice, Contractor shall reimburse University for University's Testing Laboratory personnel and travel expenses incurred.

1.3 TESTS, INSPECTIONS AND APPROVALS

- A. Certain portions of the Work will be tested and/or inspected at various stages. Nothing in any prior acceptance or satisfactory test result shall govern, if at any subsequent time the Work, or portion thereof, is found not to conform to the requirements of the Contract Documents.
- B. In addition to the requirements of the General Conditions, if any law, ordinance or public authority or the Specifications or University's Representative's instructions require any work to be specially tested or approved (including use of ionizing radiation for radiography), Contractor shall give University's Representative timely notice of its readiness for inspection, and if the inspection is by another authority than University's Representative, of the date fixed for such inspection.
- C. Re-examination of questioned work may be ordered by University's Representative.
- D. The Office of Statewide Health Planning and Development (OSHDP) requires a list of structural tests and inspections to be included in the Specifications for hospital projects. Structural tests and inspections required by OSHDP are listed in the special OSHDP Structural Tests and Inspections form attached at the end of this Section. **PM: PLEASE EMAIL PDF OF THE OSHDP STRUCTURAL TESTS & INSPECTION FORM FOR THIS PROJECT.**

1.4 ADDITIONAL TESTING AND INSPECTION

- A. If initial tests or inspections made by University's Testing Laboratory or University's Geotechnical Engineer reveal that any portion of the Work does not comply with Contract Documents, or if University's Representative determines that any portion of the Work requires additional testing or inspection, additional tests and inspections shall be made as directed.

1. If such additional tests or inspections establish that such portion of the Work complies with the Contract Documents, all costs of such additional tests or inspections shall be paid by University.
2. If such additional tests or inspections establish that such portion of the Work fails to comply with the Contract Documents, all costs of such additional tests and inspections, and all other costs resulting from such failure, including compensation for University's Representative and University's consultants, shall be deducted from the Contract Sum.

1.5 TEST REPORTS

- A. University's Testing Laboratory and Contractor's Testing Laboratory shall submit digital copy of all reports to University's Representative, indicating observations and results of tests and indicating compliance or non-compliance with the Contract Documents.
- B. University's Representative will distribute digital copy of the reports to University, University's Consultants, and Contractor.

1.6 GEOTECHNICAL ENGINEER

- A. If applicable, University will retain and pay the expenses of a Geotechnical Engineer to perform inspection, testing, and observation functions specified by University. The Geotechnical Engineer shall communicate only with University and University's Representative. University's Representative will then give notice to Contractor, with a copy to University, of any action required of Contractor.

1.7 UNIVERSITY'S INSPECTORS

- A. University shall supply personnel, reporting to University's Representative, who shall observe construction in progress. Inspectors shall have the following responsibilities and limitations on authority:
 1. Act under the direction of University's Representative.
 2. Observe installations and work in progress as a basis for determining conformance of the work, materials and equipment with the Construction Documents. Inspector will report any discrepancies observed to University's Representative and Contractor. Only University's Representative has the authority to make approvals or rejections.
 3. Only University's Representative shall interpret the requirements of the Construction Documents. If any item is ambiguous, University's Representative shall make a written interpretation. If Contractor requests changes or modifications to the Construction Documents, University's Representative shall make a written determination on the requested changes or modifications.
 4. Prepare and submit an inspection report to University's Representative for each inspection performed.
 5. Review the monthly progress payment request before Contractor submits it to University's Representative.
 6. Assist University's Representative in reviewing the test and inspection results of testing laboratories.
 7. The Inspector is not authorized to permit deviations from the requirements of the Contract Documents unless such deviation has been approved by University's Representative in writing.
 8. The Inspector is not authorized to advise on or issue directions to Contractor about any aspect of construction means, methods, techniques, sequences or procedures, or relating to safety programs in connection with the Project.
- B. The failure of University, University's Representative and its representatives and consultants, or University's Inspector to observe or inspect the Work, or to detect deficiencies in the Work, or to inform Contractor of any deficiencies which may be discovered, shall not relieve Contractor, its subcontractors regardless of tier, or suppliers from their responsibility for construction means, methods, techniques, sequences and procedures, construction safety, nor from their responsibilities to carry out the work in accordance with the Contract Documents and to detect and correct defective work. The term "defective work" means work that is unsatisfactory, faulty, omitted, incomplete, deficient, or does not conform to the requirements of the Contract Documents, directives of University's Representative, or the requirements of any inspection, reference standard, test, or approval specified in the Contract Documents, or has been damaged prior to final completion, unless responsibility for the protection of such work has been assumed by University through beneficial occupancy in accordance with Article 9.6 of the General Conditions or through substantial completion in accordance with Article 9.7 of the General Conditions.

1.8 INSPECTION REQUESTS

- A. Contractor shall request inspection of completed portions of the Work through University's Representative at least 72 hours in advance of the inspection to be performed. Contractor shall submit said request for inspection using a form to be furnished by University's Representative at the Pre-Construction Meeting (see Section 01 31 19, PROJECT MEETINGS).
- B. For each inspection request received from Contractor for which University's Representative determines that such work is not ready for inspection, University will backcharge Contractor the amount of (\$75.00) per hour as partial compensation for the University's Inspector's time spent to respond to the unnecessary request.

2. PRODUCTS (NOT USED)

3. EXECUTION (NOT USED)

END OF SECTION

SECTION 01 45 00
QUALITY CONTROL

1. GENERAL

1.1 SUPERINTENDENT

- A. In addition to requirements specified in Article 3 of the General Conditions, submit Superintendent's qualifications showing a minimum of 5 years' experience in coordinating projects of similar scope and size as this Project within the United States.

2. PRODUCTS (NOT USED)

3. EXECUTION (NOT USED)

END OF SECTION

SECTION 01 51 00
TEMPORARY UTILITIES

1. GENERAL

1.1 DESCRIPTION

- A. Provide and maintain temporary utilities for construction operations and related necessary temporary structures. Remove them when they are no longer needed.
- B. Pay for connections for water and electricity to Project site sources.
- C. University does not guarantee amounts of water and electricity available from existing University's sources, nor will University be responsible for interruptions in service.

1.2 REQUIREMENTS OF REGULATORY AGENCIES

- A. Install and use temporary utilities in accordance with requirements specified in Section 01 41 00, REGULATORY REQUIREMENTS, and all Applicable Code Requirements.

2. MATERIALS

2.1 GENERAL

- A. Materials may be new or used, but shall be adequate for the required purposes. Their use and methods of installation shall not create unsafe conditions or violate requirements of applicable codes and requirements.

2.2 TOILET FACILITIES

- A. Toilet facilities for use by workers on the job or other personnel of Contractor will be provided by University in existing toilet facilities. These facilities shall be used for toilet purposes only and not for disposal of materials or cleaning of tools.

2.3 TEMPORARY TELEPHONE

- A. Telephone service will not be provided by University, except in case of emergency involving life and safety. Contractor shall use the public pay phones available on campus or, after coordinating with University's Representative, make arrangements with University's Information Technology Services (ITS) department for temporary telephone service.

2.4 TEMPORARY ELECTRIC SERVICE

- A. University will furnish electric power for construction purposes at no cost to Contractor.
 - 1. The characteristics of current furnished by University are limited to that existing and available. If current of other characteristics or quantity is required by Contractor, it shall supply the power as necessary at no extra cost to University.
 - 2. All parts of the permanent electrical system used for construction purposes shall be operated in a manner so as to ensure the safety of all personnel and to prevent interference with the orderly progress of the Work.
 - 3. Contractor shall repair and make good all damage to existing electrical facilities caused by Contractor's use, as requested and approved.
- B. Furnish, install and maintain all temporary electrical equipment and connections (including, without limitation, conduit and wires, drops, circuit breaker and disconnect switches) as necessary for the Work.
- C. Service connections shall be made by Contractor to the existing electrical distribution system at the following point(s) of connection:
 - 1. Power for small tools and lighting may be taken from the existing 120 Volt 60 Hz 1-phase convenience receptacles in the building.
 - 2. Power for larger equipment may be taken directly from the existing 208Y/120V 3-phase 4-wire lighting panelboard on the same floor of this Project.
- D. The load connected to any circuit shall not exceed 25% of the circuit or feeder capacity as labeled in the panelboard.
- E. There shall be no disturbance to building occupants and functions. Cables and conductors shall not prevent closing of fire labeled doors.
- F. Before final acceptance, all temporary equipment and connections installed by Contractor shall be removed in a manner approved by University's Representative.

2.5 TEMPORARY WATER

- A. Water service outlet shall be provided at locations where shown and as approved. Contractor shall furnish, install and maintain necessary temporary supply connections, piping, fittings, etc., as necessary for the Work. Before final acceptance, all temporary connections and piping installed by Contractor shall be removed in a manner approved by University's Representative. Water will be provided by University at no cost to Contractor for construction purposes.
 - 1. Contractor shall furnish and install a double check valve assembly, water meter, and pressure regulator, approved by University's Representative, at the point of connection to University's water system.

2.6 TEMPORARY FIRE PROTECTION

- A. Provide and maintain fire protection equipment including extinguishers, fire hoses, and other equipment as necessary for complete fire protection during the course of the Work.

1. Install a reduced pressure type backflow device, approved by University's Representative, at point of connection to University's water system.
- B. Use fire protection equipment only for fighting fires.

2.7 TEMPORARY HEAT AND VENTILATION

- A. Provide temporary heat and ventilation as required to maintain adequate environmental conditions to meet specified minimum conditions for installation of materials; and to protect equipment, materials, and finishes from damage due to temperature or humidity.
- B. Provide adequate forced ventilation of enclosed areas to cure installed materials, to prevent excessive humidity, and to prevent hazardous accumulations of dust, fumes, vapors, or gases.

3. EXECUTION

3.1 GENERAL

- A. Comply with applicable requirements specified in Section 01 41 00, REGULATORY REQUIREMENTS, DIVISION 22, PLUMBING, Division 23, HEATING, VENTILATING AND AIR CONDITIONING, and Division 26, ELECTRICAL, as applicable.
- B. Maintain and operate systems to furnish continuous service.
- C. Modify and extend systems as required.

3.2 REMOVAL AND RECONDITIONING

- A. Remove all temporary services installed as a requirement of the Contract Documents. Restore utilities to their original condition at the completion of the Work.
- B. Legally and properly dispose of all debris resulting from removal and reconditioning operations.

END OF SECTION

SECTION 01 52 00
CONSTRUCTION FACILITIES

1. GENERAL

1.1 JOB SITE OFFICE

- A. Erect and maintain, for duration of operations and in locations as approved, suitable temporary office facilities as required for Contractor's, University's and University's Representative's administration of the work. Provide necessary sheds and facilities for the storage of tools, materials, and equipment employed in the performance of the work. Temporary buildings shall be weathertight with raised solid floors, solid sheathed and composition roofs, and adequately glazed and screened windows for light and ventilation. Provide for University and University's Representative a clean 12' x 40' (minimum) trailer in good condition inside and outside electricity, heating and lighting, complete with air conditioning and a 120-208 volt/100 amp electric service and hook up for University's Representative and University with a cylinder locked door and at least 4 keys. The trailer shall have (2) 12' long partitions with doors located as approved by University's Representative. Configuration shall be as approved by University's Representative. Temporary buildings shall be painted using colors as approved. Contractor shall furnish daily janitorial service in the trailer. Provide stairs and handicapped ramp per code. Refer to Section 01 41 00, REGULATORY REQUIREMENTS.

2. PRODUCTS (NOT USED)

3. EXECUTION (NOT USED)

END OF SECTION

SECTION 01 54 00
CONSTRUCTION AIDS

1. GENERAL

1.1 TEMPORARY STAIRS, SCAFFOLD AND RUNWAYS

- A. Provide all scaffolds, stairs, hoist plant, runways, platforms, and similar temporary construction as may be necessary for the performance of the Contract. Such facilities shall be of the type and arrangement as required for their specific use, substantially constructed throughout and strongly supported, well secured and complying with all applicable rules and regulations of the Industrial Accident Commission of the State of California and all applicable laws and ordinances. Refer to Section 01 41 00, REGULATORY REQUIREMENTS.
- B. Arrange for construction equipment access to areas which may be partly blocked by existing obstructions.

1.2 TEMPORARY HOISTS

- A. Provide temporary hoist as required by job conditions for the installation of materials and equipment. Install and operate in accordance with all safety regulations of authorities having jurisdiction. Refer to Section 01 41 00, REGULATORY REQUIREMENTS.

1.3 TRENCHING AND SHORING

- A. All trenching and shoring work shall be in full accordance with, but not necessarily limited to the following codes and regulations: Titles 8, 19, 21, 22, & 24, State of California, California Code of Regulations (CCR), California Occupational Safety and Health Administration (OSHA).
1. General Protection. Pursuant to Labor Code Sections 6705 and 6707, Contractor shall include in its base bid all costs incident to the provision of adequate sheeting, shoring, bracing or equivalent method for the protection of life and limb which shall conform to the applicable Federal and State Safety Orders.
 2. Before beginning excavation five feet or more in depth, Contractor shall submit to University's Representative a detailed plan showing the design of shoring, bracing, sloping, or other provisions to be made for worker protection from the hazard of caving ground during the excavation. The proposed plan shall comply with the standards established by the California Construction Safety Order and Title 24 of the California Code of Regulations (CCR). If the detailed plan varies from such shoring system standards, it shall be prepared by a California registered civil or structural engineer whose name and registration number shall be indicated on the drawing. If a dispute arises as to whether the plan must be prepared by a registered civil or structural engineer, University's Representative's determination of the matter shall be final and conclusive on Contractor and University. The cost of any required engineering services shall be borne by Contractor and shall be deemed to have been included in the Contract Sum.
 3. Neither the review nor approval of any plan showing the design of shoring, bracing, sloping, or other provisions for worker protection shall relieve Contractor from its obligation to comply with Construction Safety Orders Standards and CCR, Title 24, for the design and construction of this protective Work, and Contractor shall indemnify University and University's Representative from any and all claims, liability, costs, actions and causes of action arising out of or related to the failure of these protective systems. Contractor shall defend University and its officers, employees, and agents, and University's Representative in any litigation of proceeding brought with respect to the failure of these protective systems.
 4. Comply with State of California Construction Safety Orders, Article 6 - Excavations, Trenches, Earthwork – whether or not the excavation, trench, or earthwork is five feet or more in depth.

1.4 USE OF CRANE

- A. If Contractor elects to utilize a crane in the performance of Work of this Project, operation of crane shall be in accordance with California Code of Regulations, Title 8, and the following requirements.
1. To ensure compliance with these guidelines, notify University's Environment, Health and Safety Department prior to crane use. Call (310) 825-5689 or email cranes@ehs.ucla.edu.
 2. Entrance and exit path to and from the Project site shall be evaluated and predetermined to ensure most appropriate and safest route. Alternate access routes may be necessary depending on the size and tonnage of the crane used.
 3. The crane travel path shall be predetermined by a California registered structural engineer to ensure the safety and integrity of underground vaults, tunnels and equipment. Depending on the size of the crane, alternative routes may be necessary.
 4. Contractor, in consultation with University's Representative, shall predetermine the crane operation location. Contractor shall arrange for inspection of the location by University Fire & Life Safety Division prior to crane lift commencement.
 5. In accordance with California Code of Regulations, Title 8, Section 5025, a certificate indicating that all required tests and examinations have been performed, including all identified defects that have been corrected, shall be made available with each crane or at the Project site. The certificate shall verify that the equipment is in safe operating condition at the time of examination.
 6. In accordance with California Code of Regulations, Title 8, Section 5006.1, Contractor shall only permit operators who have a valid certificate of competency (certificate) issued by an Accredited Certifying Entity. Certificates shall be valid for a maximum of 5 years.

- a. Exception to Section 5006.1: Mobile cranes having a boom length of less than 25 feet or a maximum rated load capacity of less than 15,000 pounds.
 7. Comply with the following during crane lift operations:
 - a. Building occupants and/or construction personnel may be required to evacuate areas under the lift and swing radius. University Fire & Life Safety Division shall predetermine this requirement on a per project basis. If evacuation of building occupants is not feasible, document why relocation/evacuation is not feasible in accordance with California Code of Regulations, Title 8, Section 5002.
 - b. The entire swing radius shall be barricaded using, at a minimum, safety cones, barrier tape, and/or saw horses. Furnish flagpersons to monitor and control all traffic. Vehicular and pedestrian traffic is not permitted under the load at any time.
 - 1) At Contractor's option, it may hire University Community Service Officers (CSOs) to assist in traffic control.
 - c. The immediate area shall be kept clear of all vehicles and equipment at all times. Only trucks that are supplying equipment to be lifted may be located in the immediate area.
 8. All University personnel working in the lift area shall wear appropriate hard hats, safety shoes, and safety glasses.
 9. As necessary, notify or coordinate crane lift operations with the following departments:
 - a. Cal-OSHA - Tower Crane Certification Unit;
 - b. University's Facilities Management - Outage Notification Coordinator: Robert Parker (telephone 310-206-9411);
 - c. Capital Programs, Structural Engineers;
 - d. University's Facilities Management - Grounds Senior Superintendent for landscape protection (telephone 310-825-1827);
 - e. Building Coordinators (Employee Notification);
 - f. University's Transportation Services - Traffic Management (telephone 310-825-0702);
 - g. University's Environment, Health and Safety Department (telephone 310-825-5689 / email cranes@ehs.ucla.edu);
 - h. UC Police Department (Escorts, CSOs, etc.).
- B. Additional Requirements for Use of Cranes Outside Construction Fences:
 1. Pedestrians shall not be allowed to walk under the load at any time. To ensure this, the entire swing radius shall be barricaded and traffic in both directions shall be prohibited. Objects to be used as pedestrian barricades shall include barrier tape, cones, saw-horses, lift personnel, flagpersons, CSOs or any combination of these.
 2. Furnish the services of flagpersons, CSOs, etc. to control or prohibit pedestrian access when the lift area is immediately adjacent to high traffic areas, including entrances to buildings and major walkways. One flagperson/CSO is recommended for each point of entry into the lift area.
 3. It may be necessary to evacuate portions of the top two floors when a crane is used to deliver or remove equipment and materials from the roof of an occupied building. Occupants shall be evacuated in the areas immediately beneath the swing radius of the boom, from rooms with external facing windows and areas immediately beneath the pick or drop location. University's Representative and the University Fire & Life Safety Division representative will predetermine the extent of the evacuation.
 4. Engineering calculations from a California registered civil or structural engineer may be used in lieu of evacuation building occupants from areas beneath crane activities.
- C. Additional Requirements for Use of Cranes Entirely Inside Construction Fences:
 1. Contractor shall ensure that both the crane and crane operators are currently certified under Cal-OSHA requirements. Contractor shall submit digital copy of such documentation to University's Representative in advance.
 2. Contractor shall ensure that subcontractors working adjacent to crane activities have administered "crane awareness safety" or equivalent training to their employees. Contractor shall submit digital copy of such documentation to University's Representative in advance.
 3. At all times that the boom or load travels outside the perimeter of the construction fence, the crane operation shall be immediately subject to the additional requirements for use of cranes outside construction fences.
 4. When the crane or load encroaches upon University streets, and barricades and warning signs cannot control moving traffic, the crane operation shall be conducted using flagpersons trained in accordance with Cal-OSHA.
- D. References:
 1. California Code of Regulations, Title 8, GISO Sections 344.60-344.81:
 - a. License Requirements - Crane and Derrick Certification.
 - b. Tower Cranes – Operating Permit and Certification Requests.
 - c. Certification Requirements.
 2. California Code of Regulations, Title 8, GISO Sections 4884 – 5049:
 - a. Cranes and Other Hoisting Equipment.
 - b. Overhead Loads.
 - c. Mobile Crane and Tower Crane - Operator Qualifications and Certification.
 3. California Code of Regulations, Title 8, CSO Sections 1597 – 1599:
 - a. Vehicles, Traffic Control, Flaggers, Barricades and Warning Signs.

2. PRODUCTS (NOT USED)

3. EXECUTION (NOT USED)

END OF SECTION

SAMPLE ONLY

SECTION 01 55 00
VEHICULAR ACCESS & PARKING

1. GENERAL

1.1 USE OF PUBLIC THOROUGHFARES AND UNIVERSITY ROADS

- A. Contractor shall make its own investigation of the condition of available public thoroughfares and University roads, and of the clearances, restrictions, bridge load limits, and other limitations affecting transportation and ingress and egress at the Project site.
- B. Where materials are transported in the prosecution of the Work, do not load vehicles beyond the capacity recommended by manufacturer of the vehicles or prescribed by any applicable state or local law or regulation.
- C. Use only established roads on the campus; provided, however, that such temporary haul roads as may be required in the work shall be constructed and maintained by Contractor, subject to the approval of University's Representative.
- D. Provide protection against damage whenever it is necessary to cross existing sidewalks, curbs, and gutters in entering upon the University roads. Repair and make good at the expense of Contractor all damages thereto, including damage to existing utilities and paving, arising from the operations under the Contract.
- E. Truck staging is not allowed on campus or on any residential street surrounding the campus.

1.2 PARKING

- A. No vehicle shall be allowed to park on the UCLA campus without displaying the appropriate permit(s), as follows:
 - 1. For Parking in Designated Parking Space (i.e. Parking Structure, Open Lot) and For Construction Parking at the Project Site in Non-Fenced Areas on Hardscape: A valid parking permit is required. Permits may be purchased by the day, week, month or quarter on an as-available basis. Permits may be purchased on a daily basis from any Parking Service Kiosk. For longer term parking, permits must be purchased directly from Parking Service located at 555 Westwood Plaza (Parking Structure Number 8). Permits are valid in the area of assignment only. Violators are subject to citation.
 - 2. Mobility:
 - a. Contractors and Subcontractors who are currently engaged in work on more than one project on the Campus and need mobility between project sites, or who need in-and-out privileges during the day from parking structures/lots, shall be required to make those arrangements at the time permits are obtained. A valid permit and contractor placard must be displayed. No mobility will be allowed in Dickson Court (Portola Plaza) or at meters, handicap stalls or stalls otherwise reserved, or in designated fire lanes. Violators will be cited.
 - b. Card keys will be issued ONLY to Contractors and Subcontractors who have two or more construction projects in process on the UCLA Campus.
- B. **PARKING ARRANGEMENTS FOR THIS PROJECT:** Contractor shall arrange and pay for all parking for itself, its subcontractors, and its employees.

2. PRODUCTS (NOT USED)

3. EXECUTION (NOT USED)

END OF SECTION

SECTION 01 56 00
TEMPORARY BARRICADES & ENCLOSURES

1. GENERAL

1.1 TEMPORARY BARRICADES

- A. Provide temporary barricades as necessary. Maintain barricades in a clean and neat condition until no longer required and removal is approved or requested.
- B. When Work involves modification to an existing egress corridor, Contractor shall provide temporary barricades as necessary, constructed in a manner that maintains the fire resistive integrity of the affected corridor(s). Construction and placement of the barricades shall be approved by University's Representative.

1.2 REMOVAL AND RECONDITIONING

- A. Temporary facilities, barricades, utilities and other construction of temporary nature shall be removed from the Project site as soon as the progress of the work will permit in the opinion of University's Representative; and the portions of the Project site and building occupied by same shall be reconditioned and restored to original condition. For temporary utilities, refer to Section 01 51 00, TEMPORARY UTILITIES.
- B. Legally dispose of all debris resulting from removal and reconditioning operations.

1.3 BARRICADE FENCING

- A. Barricade chain link fencing shall be installed straight and plumb, using galvanized steel pipe and 9 gauge galvanized 2 inch diamond mesh wire fabric fastened to the posts and rails.
- B. Posts shall be 2.375 inch O.D.; securely set in the ground and spaced a maximum of 10'-0" O.C. and 8'-0" height with a continuous top pipe rail. Posts shall not be set in or on existing concrete paving or walls to remain, but shall be located in soil, planter or brick paved areas.
- C. Wire fabric shall be covered on the outside of the barricade with NJP Sports, Inc. Polypropylene Fabric #1231, Green, or equal) fastened securely to the barricade.
- D. Maintain fencing in a straight, clean and neat condition throughout construction as approved by University's Representative.

2. PRODUCTS (NOT USED)

3. EXECUTION (NOT USED)

END OF SECTION

SECTION 01 60 00
PRODUCT REQUIREMENTS

1. GENERAL

1.1 TRANSPORTATION AND HANDLING

- A. Deliver manufactured products in their original unbroken containers or bundles, clearly labeled with manufacturer's name, brand, and grade seal or model number.
- B. Keep materials clean, dry, and undamaged. Handle materials and equipment in a manner to avoid damage to products and their finishes.
- C. Promptly remove damaged or defective products from the Project site and replace with no adjustment of Contract Sum.

1.2 STORAGE AND PROTECTION

- A. Store manufactured products in accordance with manufacturers' instructions and with seals and labels intact and legible.
 - 1. Store products subject to damage by the elements in weathertight enclosures.
 - 2. Maintain temperature and humidity in accordance with manufacturers' recommendations (refer to Section 01 51 00, TEMPORARY UTILITIES).
- B. Exterior Storage:
 - 1. Store materials and equipment above ground on blocking or skids to prevent soiling, staining, and damage.
 - 2. Cover products which are subject to damage by the elements with impervious protective sheet coverings. Provide adequate ventilation to prevent condensation.
 - 3. Store sand, rock, or aggregate material in a well-drained area on solid surfaces to prevent mixing with foreign matter.
- C. Arrange storage to allow adequate inspection.
- D. Periodically inspect stored products to assure that products are maintained under specified conditions and are free from damage and deterioration.
- E. Use of mechanical and electrical rooms for storage of materials or furniture is prohibited.
- F. Protection After Installation:
 - 1. Prevent damage to materials and equipment.
 - 2. Use whatever protective materials or methods are necessary to prevent damage to installed products from traffic, construction operations, and weather. Remove protection when no longer required.
 - 3. Maintain temperature and humidity conditions in interior spaces for the Work in accordance with manufacturers' instructions for the materials and equipment being protected.

1.3 UNDERWRITERS LABORATORIES, INC. (UL) LABEL

- A. Materials and equipment, for which UL standards have been established and their label service is available, shall bear the appropriate UL Label.

1.4 MANUFACTURERS' TRADE MARKS AND NAMES

- A. University's Representative reserves the right to review and request the removal or redesign of manufacturers' trade marks and names on items of materials and equipment which will be exposed to view in the completed Work. Such removal or redesign shall be with no adjustment of Contract Sum.

1.5 UNIVERSITY-FURNISHED ITEMS

- A. General:
 - 1. Certain materials, equipment and other items are identified in the Contract Documents as being furnished by University and installed by Contractor.
 - 2. In all cases so identified, Contractor shall give timely notice to University's Representative of its readiness to perform the Work.
 - 3. Contractor shall receive all material furnished by others at the Project site location(s) designated by University's Representative. Upon delivery to Contractor at the location designated by University's Representative, Contractor shall inspect the material and notify University's Representative of any damage or insufficiency that would preclude Contractor performing the Work.
 - 4. Where material furnished by others requires connections or attachments made by Separate Contractors, Contractor shall coordinate with such other Separate Contractors to assure a complete installation.
 - 5. Contractor shall store and protect material furnished by University and assume all responsibility for security and protection of such equipment from the time it is received by it until Final Completion.
 - 6. Once received by Contractor per Paragraph 1.5.C above, all material or equipment furnished by University installed by Contractor shall be subject to all terms of the Contract, including General Conditions.
- B. Items Furnished by University / Installed by Contractor:

- 1. **PM: PLEASE LIST THE UNIVERSITY FURNISHED /
CONTRACTOR INSTALLED ITEMS HERE AND CROSS**

REFERENCE APPLICABLE TECH SECTIONS AND/OR DWGS AS APPLICABLE

- 2. PRODUCTS (NOT USED)
- 3. EXECUTION (NOT USED)

END OF SECTION

SAMPLE ONLY

SECTION 01 71 23
FIELD ENGINEERING

1. GENERAL

1.1 LAYING OUT OF THE WORK

- A. Contractor shall employ a California registered Civil Engineer or Land Surveyor to lay out the Work and set grades, lines, levels, and positions throughout the Project site. Before beginning the Work, locate general reference points, establish monuments, and take action as is necessary to prevent their destruction; then lay out all lines, elevations, and measurements for buildings, grading, paving, utilities, and other parts of the Work. Verify figures and dimensions shown on the Drawings and accept responsibility for any error resulting from failure to so verify, including the cost of any additional re-surveying. Establish permanent monuments on curbs, manholes, or pavements, or with concrete embedded steel pipe with lead plug and brass nail, as approved.

2. PRODUCTS (NOT USED)

3. EXECUTION (NOT USED)

END OF SECTION

SECTION 01 71 33
PROTECTION OF ADJACENT CONSTRUCTION

1. GENERAL

1.1 SURROUNDING SITE CONDITION SURVEY

- A. Prior to commencing the Work, Contractor and University's Representative shall tour the Project site together to examine and record damage to existing adjacent buildings and improvements. This record shall serve as a basis for determination of subsequent damage due to Contractor's operations and shall be signed by all parties making the tour. Any cracks, sags, or damage to the adjacent buildings and improvements not noted in the original survey, but subsequently discovered, shall be reported to University's Representative.

1.2 PROTECTION OF EXISTING STRUCTURES AND UTILITIES (Refer also to General Conditions)

- A. The Drawings show, if applicable, existing above and below grade structures, drainage lines, storm drains, sewers, water, gas, electrical, hot water, and other utilities which are known to University.
- B. Locate all known existing utility installations before proceeding with construction operations which may cause damage to such installations. The existing installations shall be kept in service where shown and damage shall be repaired with no adjustment of Contract Sum.
- C. If any other structures or utilities are encountered, request University's Representative to furnish direction on how to proceed with the Work.
- D. If any structure or utility is damaged, take immediate action to ensure the safety of persons and property.

2. PRODUCTS (NOT USED)

3. EXECUTION (NOT USED)

END OF SECTION

SECTION 01 73 23
BRACING & ANCHORING

1. GENERAL

1.1 ANCHORS AND FASTENERS

- A. Anchors and fasteners may be utilized for this Project on a limited basis only. Submit manufacturer's literature and calculations for anchoring and fastening devices to University's Representative for approval prior to their use.
1. For concrete, use two-piece cinch anchors.
 2. The use of pneumatic-driven anchors or fasteners, and power-driven or powder-driven anchors or fasteners is prohibited.

2. PRODUCTS (NOT USED)

3. EXECUTION (NOT USED)

END OF SECTION

SECTION 01 73 29
CUTTING & PATCHING

1. GENERAL

1.1 DESCRIPTION

- A. Work Included
 - 1. Patching and matching existing Work altered or disturbed to accommodate new construction.
 - 2. Patching and matching existing Work damaged or defaced during new construction as required to restore to condition at time of award of Contract.
 - 3. Matching of new Work in existing construction to adjacent existing Work unless otherwise noted.
 - 4. Execute cutting, patching and matching in a manner to prevent damage to other Work and to provide proper surfaces for the installation of repairs, penetrations through surfaces, equipment or other items.

1.2 SUBMITTALS

- A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA AND SAMPLES.
- B. Product Literature and Shop Drawings: Submit for review materials, methods, or systems different from existing Work to be matched.
- C. Samples as requested by University's Representative.

1.3 QUALITY ASSURANCE

- A. Design Criteria
 - 1. Patching shall achieve security and protection where exposed to weather, and shall preserve the continuity of existing fire ratings.
 - 2. Cutting, patching and matching shall successfully duplicate the undisturbed adjacent finishes, colors, textures, and profiles. Where there is dispute over whether the duplication is successful or has been achieved to a reasonable degree, the judgment of University's Representative shall be final.
 - 3. Contractor shall notify University's Representative in writing if non-complying existing construction or field conditions are encountered.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Refer to Section 01 60 00, PRODUCT REQUIREMENTS.

1.5 PROJECT CONDITIONS

- A. Environmental Requirements: Follow the manufacturer's recommendations.

2. PRODUCTS

2.1 MATERIALS

- A. Materials shall be as required to match the appearance, quality and performance of the existing finishes to be duplicated and materials to be replaced.
- B. Where the existing finish to be duplicated was achieved with materials now out of production or otherwise unavailable, obtain review and acceptance of substitutions by University's Representative.
- C. Provide primers, sealers, underlayments, backing, blocking, furring, suspension systems and related items required for any purpose in patching existing Work.
- D. Materials shall be subject to the review of and acceptance by University's Representative.

3. EXECUTION

3.1 GENERAL REQUIREMENTS

- A. Perform Work in accordance with the manufacturer's recommendations, deviating only as approved by University's Representative to achieve a good match.
- B. For the following items, employ the installer or fabricator to perform any cutting, patching or matching of such items:
 - 1. Weather-exposed or moisture-resistance elements.
 - 2. Fireproofing.
 - 3. Finishes surfaces exposed to view.
- C. Adjust and fit products to provide a neat installation.
- D. Keep noise to a minimum. Inform University's Representative of locations where Work will be noisy, and obtain University's Representative's approval of the times during which such Work will be done.
- E. Finish or refinish surfaces as required to match adjacent finishes. Refinish to nearest intersection or refinish entire assembly.
- F. Patching of old ceramic tile surfaces:
 - 1. Match tile if practical.
 - 2. If matching tile is unavailable, provide stock tile of color acceptable to University's Representative. Install replacement tile in a uniform, rectilinear pattern that is symmetrical to the repair area (e.g., not a zigzag or checkerboard). Pattern shall be acceptable to University's Representative.
 - 3. Minor small screw holes may be filled with a rubberized grout of a color close to the tile color.

3.2 PAINTING

- A. Extent of Painting:
 - 1. Paint over the entire surface plane, unless otherwise noted.
 - 2. Over patched wall, soffit or ceiling surfaces, paint to the nearest cut off line for the entire surface, such as the intersection with the adjacent wall or ceiling, a beam, a pilaster, or to nearest opening frame where a total cut off does not occur within 10 feet of the patch, unless otherwise noted.
- B. Ensure painted surfaces do not present a spotty, touched-up appearance.
- C. Provide a smooth continuous surface in texture, coverage, and color.

3.3 PAVEMENT

- A. Asphaltic and Portland Cement concrete shall be patched to match adjacent surfaces and thickness, with similar material (e.g., exposed aggregate concrete, colored concrete, etc.).
- B. Remove and replace all damaged concrete and all concrete to be demolished to the nearest full depth joint. Surface scribed and partial depth sawn joints shall not be acceptable in lieu of full depth joints unless specifically approved by University's Representative.
- C. Restore pavement markings.
- D. Other paving materials and systems such as decomposed granite; stone pavers, etc. shall be replaced or restored in kind. Replace or restore an entire panel or area to present a uniform appearance to the satisfaction of University's Representative.
- E. All new surfaces shall be within 1/4 inch elevation of adjacent surfaces. All slopes to adjacent surfaces shall be less than 1 in 20, unless approved by University's Representative.

3.4 LANDSCAPING AND IRRIGATION

- A. Unless otherwise specified, restore to pre-existing condition, using similar materials.

3.5 MECHANICAL AND ELECTRICAL SYSTEMS

- A. Matching non-compliant materials currently in place will not be acceptable.
- B. Where equipment or devices have been removed, and where the active side of the pipe remains, cap or plug all abandoned piping using either threaded or soldered fittings. Do not rely on the existing valves for a positive shutoff.

END OF SECTION

SECTION 01 74 00
CLEANING & WASTE MANAGEMENT

1. GENERAL

1.1 DESCRIPTION

- A. Clean up and disposal.

2. PRODUCTS (Not Applicable)

3. EXECUTION

3.1 CONTINUOUS CLEAN UP

- A. Under no circumstances shall rubbish, debris, waste, dust, dirt, or surplus materials be allowed to accumulate in the building, or on the Project site, and all such shall be removed continually as the Work progresses and by the end of each day's Work.
1. Materials: In occupied building areas, only sufficient materials and flammable or toxic substances necessary for the Work being performed that day or shift shall be brought into the building and work areas. In no case shall flammable or toxic substances be stored in the building, and these substances shall be immediately removed from the building when not needed and not later than the end of the day's Work.
 2. Splatterings or spills of materials shall be promptly cleaned up at time of occurrence.
- B. Contractor shall provide street sweeping whenever silt from construction site is carried over to adjacent public thoroughfares.

3.2 FINAL CLEAN UP

- A. University's Representative's Inspection: Notify University's Representative at least 24 hours in advance of readiness for inspection. Any deficient cleaning operations, as determined by University's Representative, shall be immediately corrected as approved at Contractor's expense.
- B. Interior surfaces and areas where Work is performed shall be left in vacuum clean condition with all dust, dirt, stains, handmarks, paint spots, plaster droppings, and other blemishes and defects completely removed. To the extent of Contractor's operations, use or materials, the following requirements apply to all areas where Work is performed:
1. Walls: Bare and painted surfaces shall be cleaned and free of dust, lint, streaks, or stains.
 2. Hardware and metal surfaces shall be cleaned and polished using non-corrosive and non-abrasive materials.
 3. Glass: New glass and soiled existing glass shall be washed and polished both sides and left free of dirt and spots. Labels shall be removed.
 4. Ceilings shall be clean and free of stains, handmarks, and defacing.
 5. Fixtures and Equipment: New mechanical and electrical fixtures and like items shall be cleaned and polished. Lighting fixtures shall be free of dust, dirt, stains, or waste material. Equipment and machinery shall be cleaned, serviced, and ready for use. Existing items shall be cleaned as required including ventilating supply and return equipment in walls and ceilings.
 6. Surfaces not mentioned shall be cleaned according to the intent of this Section and as required for University's Representative's approval.

3.3 DISPOSAL

- A. Under no circumstances shall debris, rubbish, or waste material be disposed of on University's property by burying or otherwise, and all shall be removed from University's property to a legal disposal area. Contractor shall bear all dumping charges.
- B. Contractor is prohibited from cleaning out buckets, containers, and tools contaminated with paints, plaster, or any other materials in University storm drains.

3.4 CORRECTIVE WORK

- A. Where existing Work has been dirtied, stained, defaced, or otherwise made defective and cleaning operations are not satisfactory, as determined by University's Representative, Contractor shall remove the Defective Work and install new Work as requested and approved, at no extra cost to University.

3.5 CLEAN UP SPECIFIED IN OTHER SECTIONS

- A. Any clean up specified in other Sections of these Specifications shall be in addition to, and not in lieu of, these requirements.

END OF SECTION

SECTION 01 78 00
CLOSE-OUT SUBMITTALS

1. GENERAL

1.1 PROJECT RECORD DOCUMENTS / CONTRACTOR'S AS-BUILT DOCUMENTS

- A. Refer to Section 01 78 39, PROJECT RECORD DOCUMENTS.

1.2 SUBMITTAL

- A. Deliver closeout submittals and samples to University's Representative.
B. Include typed list identifying each item submitted as closeout document.

1.3 OPERATIONS AND MAINTENANCE MANUALS

- A. Prepare data in form of instructional manual.
1. Where written instructions are required, use personnel skilled in technical writing to extent necessary for communication of essential data.
 2. Where drawings or diagrams are required, use personnel capable of preparing drawings clearly in understandable format.
- B. Examine for completeness.
- C. Submit to University's Representative digital copy (PDF or other standard file type approved by University's Representative) of completed volumes in draft form no later than 45 days prior to request for final acceptance of the Work. This digital copy will be returned with University's Representative's comments. Revise as necessary prior to final submittal of (1) final digital copy in same approved format.
- D. Prepare and insert additional data in manuals when need for such data becomes apparent during instruction of University's personnel.
- E. Identify each manual with title OPERATIONS AND MAINTENANCE MANUAL, title of project, and subject matter of binder when multiple binders are required.
- F. Separate contents into sections logically organized with section title clearly identified.
- G. Manuals shall contain:
1. Table of contents.
 2. Directory listing names, addresses, and telephone numbers of Contractor and appropriate subcontractors.
 3. List names, addresses and telephone numbers of subcontractors, suppliers, and service representatives, including local source of supplies and replacement parts.
 4. General system or equipment description.
 5. Copies of applicable shop drawings and product data.
 6. Mark product data to clearly identify specific products and component parts.
 7. Supplement product data with drawings necessary to illustrate relationship of component parts of equipment and systems, include control and flow diagrams.
 8. Arranged by product, system, or process flow, and subdivided by Specification section. Identify following:
 - a. Significant design criteria.
 - b. List of equipment.
 - c. System or equipment identification, including:
 - 1) Name of manufacturer.
 - 2) Model number.
 - 3) Serial number of each component.
 - d. Parts list for each component.
 - e. Operating instructions.
 - f. Maintenance instructions and schedules for equipment and systems.
 - g. Emergency instructions.
 - h. Wiring and piping diagrams.
 - i. Inspection and test procedures.
 - j. Precautions against improper use and maintenance.
 9. Copies of warranties (see Paragraph 1.6 below).
 10. Text material:
 - a. Furnish manufacturer's standard printed material or typewritten specially prepared data.
 - b. Furnish text in 8-1/2 inches by 11 inches format.
 11. Drawings and diagrams.
- H. Environmental Requirements:
1. Identify environmentally preferable materials and systems incorporated into the Project. Include: product model; manufacturer's name, address, phone, and website; and local technical representative, if any.
 - a. Verify that plastic products incorporated into the Project are labeled in accordance with ASTM D1972. Where products are not labeled, furnish product data indicating polymeric information in Operation and Maintenance Manual.
 - 1) Type 1: Polyethylene Terephthalate (PET, PETE).
 - 2) Type 2: High Density Polyethylene (HDPE).
 - 3) Type 3: Vinyl (Polyvinyl Chloride or PVC).
 - 4) Type 4: Low Density Polyethylene (LDPE).

- 5) Type 5: Polypropylene (PP).
- 6) Type 6: Polystyrene (PS).
- 7) Type 7: Other. Use of this code indicates that the package in question is made of resin other than the six listed above, or is made of more than one resin listed above, and used in a multi-layer combination.
- b. Describe maintenance procedures associated with environmentally preferable materials and systems. Include cleaning recommended in accordance with ASTM E1971.
 - 1) Include potential environmental impacts of recommended maintenance procedures and materials.
 - 2) Include potential indoor air quality impacts of the recommended maintenance procedures and materials.
 - 3) Where the proposed maintenance procedures incorporate composting of plastics, assess and the potential effect of each type of plastic to be included on the composting process in accordance with ASTM D5509 or ASTM D5512.
- c. Identify maintenance agreements, take-back programs, green leases, and appropriate contact information for the following:
 - 1) Carpet.
 - 2) Ceiling Tile.
 - 3) Office Equipment.
- d. Material Safety Data Sheet: Include MSDS in product specifications.

1.4 **MATERIAL AND FINISHES MAINTENANCE MANUAL**

- A. Manual:
 1. Submit to University's Representative digital copy (PDF or other standard file type approved by University's Representative) of each materials and finishes manual in final form.
 2. Furnish (1) section for interior products, including applied materials and finishes, and (1) section for exterior products.
- B. Interior Products:
 1. Furnish manufacturer's data and instructions on care and maintenance of architectural products, including applied materials and finishes.
 2. Product Data: Furnish complete information on architectural products, including following, as applicable:
 - a. Manufacturer's catalog number.
 - b. Size.
 - c. Material composition.
 - d. Color.
 - e. Texture.
 - f. Reordering information for specially manufactured products.
 3. Care and Maintenance Instructions: Furnish information on care and maintenance including manufacturers' recommendations for types of cleaning agents to be used and methods of cleaning. Furnish information regarding cleaning agents and methods that could prove detrimental to product. Include manufacturers' recommended schedule for cleaning and maintenance.
- C. Exterior Products:
 1. Furnish complete manufacturer's data with instructions on inspection, maintenance, and repair of products exposed to weather or designed for moisture-protection purposes.
 2. Manufacturer's Data: Furnish manufacturers' data giving detailed information, including following, as applicable.
 - a. Applicable standards.
 - b. Chemical composition.
 - c. Installation details.
 - d. Inspection procedures.
 - e. Maintenance information.
 - f. Repair procedures.

1.5 **SPARE PARTS AND MAINTENANCE MATERIALS**

- A. Furnish tools, spare parts, and maintenance and extra stock materials in quantities specified in individual Specification sections.
- B. Deliver to Project site and place in locations as approved; obtain receipt from subcontractors and suppliers.
- C. No later than at time of inspection for final acceptance, submit a letter identifying by item and quantity, all spare parts and maintenance materials submitted.

1.6 **GUARANTEES, WARRANTIES, BONDS, SERVICE & MAINTENANCE CONTRACTS**

- A. General: Guarantees from Subcontractors shall not limit Contractor's warranties and guarantees to University. Whenever possible, Contractor shall cause warranties of Subcontractors to be made directly to University. If such warranties are made to Contractor, Contractor shall assign such warranties to University prior to final payment.
- B. Form of Guarantee: Submit written guarantees in the form contained at the end of this Section.

- C. Submittal Requirements:
1. Assemble required guarantees, bonds, and service and maintenance contracts.
 2. Number of original signed copies required: (2) each. Also submit (1) digital copy (PDF or other standard file type approved by University's Representative).
 3. Table of Contents: Neatly typed and in orderly sequence. Furnish complete information for each item as follows:
 - a. Product or Work item.
 - b. Firm name, address, and telephone number; and name of principal.
 - c. Scope.
 - d. Date of beginning of guarantee, bond, or service and maintenance contract.
 - e. Duration of guarantee, bond, or service and maintenance contract.
 - f. Contractor's name, address, and telephone number; and name of responsible principal.
 - g. Furnish information for University's personnel:
 - 1) Correct procedure in case of failure.
 - 2) Circumstances which might affect the validity of guarantee or bond.
- D. Form of Submittals:
1. Prepare in duplicate packets.
 2. Format:
 - a. Size 8½-inch x 11-inch sheets punched for 3-ring binder. Fold larger sheets to fit into binders.
 - b. Identify each packet on the cover with typed or printed title "GUARANTEES AND BONDS," and the following:
 - 1) Title of Project.
 - 2) Name of Contractor.
 3. Binders: Commercial quality, 3-ring, with durable and cleanable plastic covers.
- E. Time of Submittals:
1. Within 10 days after the date of Substantial Completion, and prior to request for final payment.
 2. For Work activities, where Final Completion is delayed materially beyond the date of Substantial Completion, furnish updated submittal within 10 days after Final Completion, listing the date of Final Completion as the start of the Guarantee to Repair Period.
- F. Submittals Required: Submit guarantees, bonds, and service and maintenance contracts specified in the individual Sections.

2. PRODUCTS (NOT USED)

3. EXECUTION (NOT USED)

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GUARANTEE

Date: _____

Project Name: _____

Project Number

Order Number

Project Location: _____

GUARANTEE FOR _____ (the "Contract"), between The Regents of the
(Specification Section); Contract No.

University of California ("University") and _____ ("Contractor").

(Name of Subcontractor) hereby guarantees to University

that the portion of the Work described as follows:

which it has provided for the above referenced Project, is of good quality; free from defects; free from any liens, claims, and security interests; and has been completed in accordance with Specification Section _____ and the other requirements of the Contract.

The undersigned further agrees that, if at any time within _____ months after the date of the guarantee the undersigned receives notice from University that the aforesaid portion of the Work is unsatisfactory, faulty, deficient, incomplete, or not in conformance with the requirements of the Contract, the undersigned will, within 10 days after receipt of such notice, correct, repair, or replace such portion of the Work, together with any other parts of the Work and any other property which is damaged or destroyed as a result of such defective portion of the Work or the correction, repair, or replacement thereof; and that it shall diligently and continuously prosecute such correction, repair, or replacement to completion.

In the event the undersigned fails to commence such correction, repair, or replacement within 10 days after such notice, or to diligently and continuously prosecute the same to completion, the undersigned, collectively and separately, do hereby authorize University to undertake such correction, repair, or replacement at the expense of the undersigned; and Contractor will pay to University promptly upon demand all costs and expenses incurred by University in connection therewith.

SUBCONTRACTOR

Signed: _____ Title: _____

Typed Name: _____

Name of Firm: _____

Contractor
License Number: _____

Address: _____

Phone Number: _____

CONTRACTOR

Signed: _____ Title: _____

Typed Name: _____

Name of Firm: _____

END OF SECTION

SECTION 01 78 39
PROJECT RECORD DOCUMENTS

1. GENERAL

1.1 MAINTENANCE OF DOCUMENTS AND SAMPLES

- A. Store Contractor's as-built documents and Samples in Contractor's field office separate from documents used for construction.
- B. Maintain as-built documents in order and in a clean, dry, legible condition.
- C. Do not use as-built documents for construction.

1.2 AS-BUILT DOCUMENTS

- A. University's Representative will, at no cost, furnish Contractor a digital set of Drawings of the original Contract Documents, which shall be used for recording the "as-built" condition of the Work.
- B. As-Built Drawings: Record the following kinds of information on the As-Built Drawings:
 - 1. Locations of Work buried under or outside the building, such as plumbing and electrical lines and conduits. Furnish horizontal and vertical dimensions from fixed points.
 - 2. Actual numbering of each electrical circuit.
 - 3. Locations of all HVAC, plumbing and electrical Work concealed inside the building; and other work that is changed by Contractor from that shown on the Drawings.
 - 4. Locations of all items, not necessarily concealed, which vary from the locations shown on the Drawings.
- C. The following requirements for As-Built Drawings are in addition to those specified elsewhere:
 - 1. As-built conditions shall be carefully and neatly recorded by a competent drafter, familiar with the Work involved, using methods acceptable to University's Representative. Final Drawings shall be submitted in digital format (PDF, and AutoCAD [eTransmit - includes all related dependent files such as xrefs, font files, etc.], and additional digital format identified by University's Representative) to match size of the original Contract Drawings, and shall comply with the following:
 - a. University's Design Professional's name and stamp shall be removed from each drawing.
 - b. Add Contractor's name and contact information on each drawing.
 - c. Add "AS-BUILT" to the lower right area of each drawing.
 - 2. They shall be kept up to date during the entire progress of the Work and made available to University's Representative at any time.
 - 3. Additional drawings shall be furnished as required to accurately describe changes.
 - 4. Record all changes in size, location, and other features of installation shown on the Drawings.
 - 5. Record all locations of underground Work, points of connection, valves, manholes, catch basins, capped stubouts, invert elevations, etc.
 - 6. Record sufficient information such that Work concealed in, under or outside the building may be located with ease and accuracy. This may be accomplished by dimensioning or by stating the relationship to the spaces in the building near which the Work was installed. University's Representative's decision on what constitutes sufficient information shall be final.
- D. Shop Drawings: Furnish final Shop Drawings which have been updated to show actual conditions, for Work specified in the individual Sections.
- E. Specifications and Addenda:
 - 1. Record the following:
 - a. Manufacturer, trade name, catalog number, and supplier of each product and item of equipment actually installed.
 - b. Changes made by Addenda, Change Order, or Field Order, and clarifications and interpretations made by Letter of Instruction. All changes made shall be shown on the as-builts.

2. PRODUCTS (NOT USED)

3. EXECUTION (NOT USED)

END OF SECTION

LIST OF DRAWINGS

SHEET NO.	TITLE	SHEET DATE
TBD	TBD	TBD

END OF LIST OF DRAWINGS

EXHIBIT B
TO THE
EXECUTIVE DESIGN PROFESSIONAL AGREEMENT
DESIGN PROFESSIONAL RATE SCHEDULE FOR ADDITIONAL SERVICES

TBD

EXHIBIT C **TO THE** **EXECUTIVE DESIGN PROFESSIONAL AGREEMENT** **SUPPLEMENTAL REQUIREMENTS**

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ARTICLE 1 - BASIC SERVICES - GENERAL

Design Professional shall provide the following services as Basic Services.

1.1 EXAMINATION OF SITE

1.1.1 At the beginning of the first applicable design phase, Design Professional and its consultants shall visit the Project site to become familiar with existing site conditions, including the site location and size, utility capacities, and connection options of external utilities. Prior to the completion of the Construction Documents, Design Professional and its consultants shall visit the Project site to coordinate their documents with current site conditions.

1.1.2 For alteration projects only, visit all relevant areas of the existing buildings to be altered. Include architectural, mechanical, plumbing and electrical (including fire alarm) disciplines. Visually survey the following for consistency with the available documentation, evidence of chronic problems, and coordination with proposed new work:

- .1 Adjacent site perimeter (a minimum of 40 feet from building) for accessible path of travel, fire access, drainage conditions, and distance to adjacent buildings.
- .2 Building exterior (from the ground and roof surface).
- .3 Interior spaces including storage, circulation, mechanical, electrical and telecom rooms.
- .4 Rooftop including penthouses.
- .5 Ceiling spaces above suspended lay-in ceiling tiles at several areas representing standard conditions and in areas with atypical ceiling heights or configurations.
- .6 Concealed spaces accessible via access panel at several areas representing standard conditions and in areas with atypical concentrations of services, specifically at firewalls.

1.1.3 Notify University's Designated Administrator of rooms or areas inaccessible due to locked doors, hard-suspended ceilings, heavy furniture and equipment or critical functions. No destructive testing shall be done except by specific written approval.

1.2 PROGRAM AND BUDGET REVIEW

1.2.1 University will furnish the Project Program to Design Professional at the start of the first applicable design phase. Design Professional shall evaluate the Project's programmatic requirements, promptly call attention to any discrepancy contained therein, and request direction from University's Designated Administrator.

1.2.2 Prior to completing each applicable design phase submittal, Design Professional shall compare the submittal documents to the programmatic requirements and call to the attention of University's Designated Administrator any discrepancy contained therein and request direction. Design Professional shall be prepared to present program or design adjustment alternatives for University consideration when adjustments are needed to bring the Project scope, Project schedule, and Construction Budget into alignment.

1.3 REGULATORY AGENCY REVIEWS AND APPROVALS

1.3.1 The design and construction of University projects shall comply with the applicable laws, rules, and regulations of the California Code of Regulations (CCR). Design Professional is responsible for the design's compliance with these laws, rules and regulations. The following CCR titles contain requirements applicable to University construction work:

Title 8, Industrial Relations
Title 17, Public Health
Title 19, Public Safety
Title 20, Public Utilities and Energy
Title 21, Public Works
Title 24, California Building Standards Code
 Part 1, Building Standards Administrative Code
 Part 2, California Building Code
 Part 3, California Electrical Code
 Part 4, California Mechanical Code
 Part 5, California Plumbing Code
 Part 6, California Energy Code
 Part 7, California Elevator Safety Construction Code
 Part 8, California Historical Building Code
 Part 9, California Fire Code
 Part 10, California Code for Building Conservation
 Part 11, California Green Building Standards Code
 Part 12, California State Reference Standards Code
Title 25, Housing and Community Development
Title 26, Toxics

1.3.2 Building codes, standards, federal and state legislation, and federal, state, and regional agency regulations affect University projects. In addition to the CCR titles listed above, University construction work shall also comply with the following Codes

or Acts. In general, in the case of conflicts between codes, the more stringent conditions shall apply. Confirm particular instances with University's Representative.

National Fire Protection Association (NFPA)
Federal Occupational Safety and Health Act of 1970 (OSHA)
Accessibility Guidelines for the Americans with Disabilities Act, Title 24 ADAAG (ADA)
California Coastal Commission Regulations

1.3.3 University is not subject to the building ordinances and zoning requirements of local political jurisdictions; building permits are not required for on-campus projects. Off-campus projects are required to comply with all applicable local building ordinances and zoning requirements. University is not required to obtain building permits from local jurisdictions for construction on real estate owned or controlled by University. However, the design and construction of utility connections and fire-protection systems may require liaison with local jurisdictions. This liaison shall be coordinated only through University's Designated Administrator. Construction or encroachment upon city- or county-owned property is subject to local codes and permit requirements.

1.3.4 University is its own enforcement agency for all code requirements except those regarding fire code, access compliance, and medical facilities. For these code requirements, University projects are subject to plan approval and enforcement authority by the state agencies listed below. Design Professional shall obtain reviews from, submit applications to, and obtain approvals/permits from these agencies. University's Designated Administrator will arrange to pay application fees that may be required.

- .1 California Department of General Services, Division of the State Architect - Access Compliance (DSA).
- .2 Office of the State Fire Marshal (SFM).
- .3 Office of Statewide Health Planning and Development (OSHPD) - For Medical Facilities Only.
- .4 TBD.

1.3.5 By agreement with the SFM, the effective code date for new and remodeled University building projects is the edition of the CCR, Title 24, in effect at the time of the first submittal of Preliminary Drawings as defined in the State Administrative Manual. The date of receipt of this first submittal is the official "date of record" for the Project. The edition of CCR, Title 24, in effect on that date will be applied for the duration of the Project. In the event Preliminary Drawings are not submitted to the SFM regional office prior to submission of Construction Documents (defined as Working Drawings and Specifications), the edition of the CCR, Title 24, in effect on the date of receipt of the Construction Documents by the SFM regional office will apply.

1.3.6 It is recommended that preliminary State Fire Marshal (SFM), or the local designee, and Division of State Architect (DSA) reviews occur during Schematic Design (if applicable) and Design Development (if applicable). Review and approval by the SFM and DSA are required at Construction Documents completion. Design Professional shall arrange all reviews with DSA for access compliance and with SFM for fire safety and code compliance. Design Professional shall incorporate corrections required by DSA and SFM into the Contract Documents before advertisement for bid.

1.3.7 Design Professional shall assist University in making applications to, and obtain approvals/permits from the Southern California Air Quality Management District.

1.3.8 Design Professional shall incorporate the following University policies and Campus Standards (current as of the execution date of this Agreement) where applicable to their work:

- .1 University of California Seismic Safety Policy including revisions.
- .2 University of California Policy on Sustainable Practices.
- .3 All UCLA Campus Standards (refer to <http://www.capitalprograms.ucla.edu/Contracts/UCLACampusStandards>).

1.3.9 Other authorities and fund agencies applicable to this Project include the following:

TBD

1.3.10 For major State-funded projects, approval of the completed Design Development documents by the State Public Works Board is required, as well as State Department of Finance approval of the completed Construction Documents.

1.4 UNIVERSITY REVIEWS AND APPROVALS

1.4.1 Each design phase is subject to review and approval by University. Project items to be reviewed include design and cost, site, seismic safety, and environmental impact.

1.4.2 Other University personnel, external consultants, or public agencies may also review Design Professional's submittals at University's discretion or as required by applicable regulations. These reviews shall not relieve Design Professional of responsibility for errors and omissions in Design Professional's work. Design Professional shall cooperate with the reviewers and participate in the reviews. Meetings to discuss University policy and legal requirements are required.

1.4.3 University's review of Drawings and related documents at the various stages of project development is intended to determine whether:

- .1 Design Professional has completed the work of that phase,
- .2 Design Professional's design satisfies University's programmatic needs,

- .3 The Project design is within the stipulated scope and Project budget, and
- .4 The Project is in conformance with University's administrative policies and procedures.

1.4.4 University will review the submitted drawings at all stages and provide written comments.

1.4.5 University will review the submitted specifications at three stages and provide written comments. The first Construction Documents submittal review will cover general issues (e.g., format and Division 1 references). The second Construction Documents submittal review covers all sections for content, consistency and completeness. The final Construction Documents review is the final review for corrections and typographical mistakes.

1.4.6 Design Professional shall respond in writing (item by item) to University's review comments using University's format.

1.4.7 SEISMIC REVIEW: This Project is subject to an independent seismic/structural review conducted by University and at University's expense. Design Professional shall furnish drawings and other items as necessary to describe the Project design. A review of non-structural building elements shall also be included. The review will be initiated early, preferably during Schematic Design, so that it can be performed in conjunction with the independent design and cost/value control review processes, where applicable. The review will be continued at appropriate times during the design process. Drawings and calculations will be reviewed for conformance to the most current applicable seismic design code requirements. Design Professional shall attend meetings as necessary to resolve all seismic issues.

1.4.8 Not Used.

1.4.9 ARCHITECTURAL DESIGN REVIEW: This Project is subject to an independent architectural design review conducted by University and at University's expense. The design review will be performed early in the preparation of design and focus on, but not be limited to, the compatibility of the design with its setting, and the appropriateness of the design to its functional program and the Project budget. Design Professional shall cooperate with this design review. As part of the review, Design Professional shall present the current status of the design with drawings and other items as necessary to describe the Project's Design.

1.5 REGENTS' (OR REGENTS' DELEGATED AUTHORITY'S) DESIGN APPROVAL

1.5.1 This Project requires design review by the Regents of University of California (or the Regents' Delegated Authority). Design Professional shall furnish presentation drawings, sustainable design information, and other support materials for use in said design review process (**UCLA - ADDITIONAL ITEMS (SUCH AS PHYSICAL MODELS, COMPUTER-GENERATED MODELS, PERSPECTIVES, AND SIMULATIONS, ETC.) TO BE ADDED IF APPLICABLE**). Drawings and written documents for presentations to said parties shall be simple, clear and concise.

1.5.2 Furnish these materials in accordance with the Project schedule provided by University. Design Professional shall attend meetings with representatives of University regarding said presentation materials.

1.5.3 Should the Regents (or the Regents' Delegated Authority) fail to approve the design or aspects of the design, Design Professional shall, at its own expense, revise the design unless Design Professional has been given prior written approval from University to proceed with the Design Development phase, in which case the revision of the design shall be an Additional Service in accordance with Article 7.

1.6 CONSTRUCTION COST/VALUE CONTROL

1.6.1 Throughout the Project, Design Professional shall keep the Project's estimated construction cost within the Construction Budget and is responsible to periodically submit a current Estimated Project Construction Cost to verify that this is done. The following three processes shall be used during the Project for Construction Cost/Value Control (CVC) with the Cost Reduction process only used if the previous three are unsuccessful:

- .1 Cost Choices (CC) - Program and design choices that drive the project cost begin at programming and become more focused. Choosing what can be afforded within the budget is the first step. At the first estimate, consideration of cost choices begins and continues as the design progresses.
- .2 Life Cycle Cost Analysis (LCCA) - This identifies alternative materials and systems to evaluate by preparing an economic assessment of all significant costs of ownership over the economic life of each alternative including:
 - a. The projected initial cost of the system
 - b. Projected yearly operational and maintenance costs
 - c. Projected estimated replacement cost
 - d. Projected estimated life expectancy
 - e. Anticipated levels of performanceLCCA shall be conducted for a minimum of one alternative mechanical and one alternative lighting system. With respect to design alternatives specifically in support of the Energy Efficiency program, Design Professional shall assist with providing cost and performance information for approximately 10 energy conservation measures or combination of measures. Contact University's Representative for study life, utility rates, discount factors, escalation factors and benefit-to-infrastructure values. The results shall be presented in a spreadsheet format that shall identify both simple payback and present value of the evaluated options.
- .3 Value Engineering (VE) - This is when one design feature can be achieved in a different manner for the same or lower cost without compromising the aesthetic or functional value. Value engineering should also start early and run throughout the design phases. Life cycle costs should be considered along with capital costs.

- .4 Cost Reduction (CR) - This requires removing something desired from the Project. This is initiated later in the design process if the CC, LCCA and VE efforts were not successful in maintaining the Project within budget.

1.6.2 This Project is subject to independent cost estimates conducted by an estimator designated by University and at University's expense. Design Professional shall furnish TBD copies of the current Drawings and Specifications at the end of Schematic Design (if applicable), at the end of Design Development (if applicable), and at the end of both 50% and 100% completion of Construction Documents. Design Professional shall be available to answer the estimator's questions regarding the design and to attend meetings as necessary with the estimator to reconcile Design Professional's estimate with the independent estimate. In the event that the independent estimate and Design Professional's estimate cannot be reconciled, Design Professional's estimate shall prevail as the Estimated Project Construction Cost.

1.6.3 Design Professional shall fully participate in University's CVC program. CVC workshops shall occur after the Schematic Design phase submittals, the Design Development phase submittal, and the first Construction Documents phase submittal. CVC workshops shall be scheduled by agreement between Design Professional and University. Agenda shall include at a minimum:

- .1 Design and Sustainability Review
- .2 Alternative Technical Solutions
- .3 Cost Evaluations
- .4 Evaluation of Alternatives
- .5 Priorities and Trade-offs (if necessary)

1.6.4 Participants, in addition to Design Professional and its consultants, shall include professional peers experienced with building type (selected by University and at University's expense); University's professional staff, including user representatives; and others deemed appropriate by University. Design Professional and its consultants shall present and discuss the design as required by the agenda of each meeting.

1.6.5 After each CVC session, Design Professional shall evaluate the results of the session with University and shall implement changes in the design as mutually agreed upon or as directed by University.

1.6.6 If the Estimated Project Construction Cost at the Construction Documents phase exceeds the Construction Budget, University may, at its discretion, (1) give written approval of an increase in the Construction Budget, (2) authorize the solicitation of bids (reserving its rights under Agreement subparagraph 2.5.2), or (3) require Design Professional, at Design Professional's expense, to revise the Project in cooperation with University so as to reduce the Estimated Project Construction Cost to match the Construction Budget. Modifications proposed by Design Professional shall require University approval prior to incorporation into the revised documents.

1.7 QUALITY ASSURANCE

1.7.1 Design Professional shall demonstrate an effective internal Quality Assurance (QA) program that results in well-coordinated and consistent submittal documents. University's preparation guidelines for drawings and specifications shall be incorporated into Design Professional's QA program.

1.7.2 University may perform or may choose to have an outside consulting firm perform a quality assurance review including plan check and/or constructability analysis on the submitted documents. Design Professional shall review the written comments produced by this review and respond to the comments (item by item) in writing. Design Professional shall attend meetings as necessary to resolve issues.

1.8 DRAWING SUBMITTAL REQUIREMENTS

1.8.1 Design Professional shall submit one set hardcopy and two sets of executable digital files on disk, one formatted in AutoCAD.dwg, the other as PDF. When required, hardcopies of submittals shall be on bond paper. Final Record Drawings shall be furnished as specified in Article 6.13 herein.

1.8.2 Each copy and each disk shall be fully labeled with the Project name, Project number, date, names and contact information for the entity(ies) responsible for preparation and submittal of the files and disks, and the sequence number of the disk in the set. Files may be submitted compressed, but the decompression utility used (executable preferred) shall be fully described with directions included on the transmittal as well as in digital form. Design Professional shall provide an index of digital file drawings and their associated XREF. Unused layers and blocks shall be purged from the drawing file. Directions for restoring the directory structure shall be included, and all data necessary to plot the files, such as PCP, PNP, and CTB files, layering, pens, fonts, and color information shall be provided. Design Professional shall "bind" all plot sheets. Digital file drawings (in AutoCAD, Revit or equal approved in advance by University's Designated Administrator) shall be identical to the required hardcopy submittals.

1.8.3 The digital file name shall match the drawing number with brief description. The complexity of the files/folders shall be matched to the scale of the Project.

1.8.4 Submittal of the digital drawing files shall be considered a legal submittal of any fonts, menus, line types, symbols (blocks or entities), and any proprietary information incorporated into the drawings. If symbols (blocks or entities) or other information is copyrighted, University will have the right to use and to distribute all such information at no cost or liability. Copyright language shall not be included on the Drawings.

1.8.5 Design Professional shall coordinate with University's Designated Administrator to insure room numbering in accordance with University requirements.

1.8.6 In addition to the standard submittal format requirements, presentation graphics materials shall be submitted to University as digital files in the .PDF format.

1.8.7 Drawing Preparation Guidelines containing more detailed requirements will be provided to Design Professional at the beginning of the first applicable design phase.

1.9 SPECIFICATION SUBMITTAL REQUIREMENTS

1.9.1 Specifications, in CSI format, shall consist of one original one-sided set in hard copy and two sets of executable digital files on CD-ROM (one formatted in Microsoft Word [version as approved by University's Designated Administrator], the other as an Adobe .PDF). When required, hardcopies of submittals shall be on bond paper. Each specification section shall be saved as a document file named with the corresponding Master format six-digit number (e.g., 260110.docx).

1.9.2 Design Professional shall use the format and terminology standards approved by University. Specifications shall be:

- .1 Complete, coordinated and consistent with each other and the drawings.
- .2 Coordinated with University's General Conditions and General Requirements.
- .3 Written for a two-party contract between University and Contractor.
- .4 Written to describe University's Representative as University's acting functionary.
- .5 Written with open specifications for material and equipment except in specifically permitted exceptions.

1.9.3 Specifications Preparation Guidelines containing more detailed examples of the application of the requirements listed above will be provided to Design Professional at the beginning of specification production.

1.10 DOCUMENT SUBMITTAL TIMING

1.10.1 Not Used.

1.10.2 Design Professional shall submit the required documents for each applicable design phase in two parts and approximately two weeks apart, unless otherwise stipulated by University's Designated Administrator. The first part of the submittal shall include Drawings and Specifications, Design and System Narratives, LEED™ Project Checklist referenced in Article 1.13 herein, and similar items. The second part of the submittal shall include items such as Special Inspections and Testing Requirements, Calculations, Sole Source List, Material Board, and the Energy Model and related information.

1.11 CONSTRUCTION PHASING

1.11.1 Construction phasing, if applicable, will require review and approval by University's Designated Administrator. Design Professional shall clearly show construction phasing requirements on the drawings and also describe them in the specifications. Design Professional shall also provide a construction phasing schedule in bar chart, or in Critical Path Method (CPM) form as an additional service.

1.12 PARTNERING - NOT USED.

1.13 GREEN BUILDING DESIGN

1.13.1 Design Professional shall:

- .1 Meet the goal set by University to outperform the required provisions of Title 24 California Energy Code efficiency requirements by at least 20% or meet the applicable whole-building energy performance targets in the UC Policy on Sustainable Practices. Where possible within the constraints of program needs and standard budget parameters, projects shall outperform Title 24 by 30% or achieve the more stringent whole-building energy performance stretch targets. Coordinate with University's Designated Administrator to determine the project-specific whole-building energy performance targets under UC Policy.
 - .1 For Acute Care Facilities Only: Coordinate with University's Designated Administrator to comply with current energy efficiency standards developed by campus and medical center to satisfy the UC Policy on Sustainable Practices.
- .2 Coordinate with University's Designated Administrator to determine the applicable project LEED™ requirements and substantiation. Include LEED™ requirements in specifications submittals to ensure the achievement of points and credits identified for target ranking. Projects shall pursue the highest feasible LEED™ project ranking as determined by the University's Designated Administrator. Projects are encouraged to achieve "Gold" or "Platinum" rankings. Furnish cost information and strategies to support these options. Manage LEED™ process throughout design and construction phases according to project scope and prepare design and construction submittals to Green Building Certification Institute (GBCI) for review and certification.
 - .1 For New Construction Projects: Register the project with the GBCI and manage the project's LEED™ online website in coordination with the University's Designated Administrator. Design and engineer the project to achieve the target rating under the most current USGBC LEED™ for Building Design and Construction (BD+C) rating system at time of registration. In no case shall the project be

- designed to achieve less than a "Silver" ranking. Achieve at least two points within the available credits in the LEED™ BD+C Water Efficiency category.
- .2 For Renovation or Interiors Projects Valued Over \$5 Million: Register the project with the GBCI and manage the project's LEED™ online website in coordination with the University's Designated Administrator. Design and engineer the project to achieve the target rating under the most current USGBC LEED™ for Interior Design and Construction (ID+C) rating system at time of registration. In no case shall the project be designed to achieve less than a "Silver" ranking.
 - .3 For Renovation or Interiors Projects That Do Not Satisfy the LEED™ "Minimum Program Requirements" or are Valued Under \$5 Million: Design and engineer the project to incorporate sustainable measures consistent with current campus policies and standards. Project characteristics shall not contradict previously established campus-based LEED™ credits awarded to other projects. Periodically review sustainable measures with University's Designated Administrator and, if requested, furnish cost information for optional strategies or features that would achieve LEED™ project rankings.
 - .4 For Acute Care Facilities Only: Coordinate with University's Designated Administrator to comply with current Green Building standards developed by campus and medical center to advance UC Sustainable Practices Policy goals. Compliance strategy shall reference standards of the current LEED™ for Healthcare Rating System.
 - .5 All projects, whether or not pursuing LEED™ certification, must demonstrate compliance with Mandatory Measures under the CalGreen Building Code, using University's designated form. Applicable LEED™ project documentation and actions may be used to demonstrate compliance.
- .3 Savings-by-Design: Design Professional shall enroll in and participate in the California Savings-by-Design Program, if applicable, beginning during the first design phase. Design Professional shall attend meetings with representatives of the program to identify energy conservation measures or combinations of measures for analysis. Design Professional shall furnish to University estimated construction costs, estimated maintenance costs, estimated equipment life spans and technical information.
- .4 For GBCI-Registered Projects: Prepare and submit both a hard copy and an electronic copy of the current LEED™ Project Checklist as provided on the GBCI website, supporting substantiation for each point for which credit is sought, and completed letter templates to be signed by the University and others. The LEED™ Project Checklist shall be updated and submitted at the end of each Design Phase (Schematic, Design Development, Construction Document, as applicable). The completed applicable checklist, letter templates and required documentation shall be submitted for review in tabbed binder form at the end of the Construction Documents Phase.
- .5 For Projects Containing Laboratories: Comply with all prerequisites of the Labs21 program sponsored by the U.S. Environmental Protection Agency and the U.S. Department of Energy. Laboratory projects shall furnish cost information and strategies to meet or exceed performance thresholds for as many Labs21 Environmental Performance Criteria as feasible, as determined by the University's Designated Administrator.

1.14 MEETINGS

1.14.1 Design Professional shall participate in regular meetings at the Facility through each phase of the Project for the purpose of explaining the Project design, reviewing the Project progress, discussing University policy and legal requirements.

ARTICLE 2 - BASIC SERVICES - SCHEMATIC DESIGN PHASE

2.1 GENERAL

2.1.1 Not Used.

2.1.2 Design Professional shall provide a written preliminary evaluation of the Project Program and the Construction Budget requirements each in terms of the other.

2.1.3 After consultation with University's Designated Administrator, Design Professional shall conduct a Schematic Design kick-off workshop to discuss the requirements and goals described in the Project Program.

2.1.4 Shortly after the Schematic Design kick-off workshop, conduct an Integrated Design workshop addressing the Project Program and the following requirements with all of Design Professional's Consultants, a representative of Savings-by-Design Program, as applicable, and University to:

- .1 Review the findings of the site analysis, program analysis and preliminary engineering analysis.
- .2 Discuss challenges and opportunities inherent in the Project.
- .3 Review design priorities.
- .4 Review the Project for alignment with Green Building design requirements (refer to Article 1.13 herein).

2.1.5 Early in the Schematic Design phase, develop and present to University three alternative site and building designs that meet the program needs. Provide graphics or physical study models as appropriate to fully describe the designs. These materials shall be delivered to University for review and shall include digital files of graphic presentation materials.

2.1.6 For each of the three alternative designs, update the Detailed Project Program cost model by changing, adding and/or deleting cost items, adjusting control quantities, and submitting these updates with the designs.

2.1.7 Not Used.

2.1.8 Design Professional shall prepare Schematic Design studies consistent with and incorporating the Project Program requirements, including site plans (when applicable), floor plans, elevations, sections, and other drawings, sketches, or graphic materials needed to describe the Project in three dimensions. Design Professional shall also prepare TBD. Schematic studies shall be consistent with the construction budget and Project Schedule and shall be revised until approved by University as acceptable.

2.2 CODE ANALYSIS

2.2.1 Design Professional shall prepare and submit to University an outline of applicable provisions of building codes which apply to this Project. The outline shall include a written report and diagrammatic drawings which delineate the design criteria (e.g., exit paths, travel distances, required exits, rated walls, rated corridors, building occupancy, construction type, and fire zones). This graphic documentation of the design criteria shall be updated with each subsequent submittal.

2.3 ESTIMATED PROJECT CONSTRUCTION COST

2.3.1 Design Professional shall update the Project Program Cost Model by changing, adding and/or deleting cost items and adjusting control quantities.

2.3.2 Design Professional shall submit an Estimated Project Construction Cost based on the documents submitted in this phase using an estimate format approved by University's Designated Administrator. Design Professional shall compare the estimate with the Construction Budget and bring any unusual cost items to the attention of University's Designated Administrator.

2.4 AREA TABULATION

2.4.1 Design Professional shall develop a space-by-space comparison of the Schematic Design documents' assignable square feet (ASF) with the Project program's ASF. Design Professional shall provide overall gross square feet (OGSF) and, for projects exceeding \$5 million, shall provide a tabulation of rentable square footage (RSF) according to specifications of the Building Owners and Managers Association. These tabulations shall be made by floor and program component, and shall include totals for the building or renovated area as a whole. Design Professional shall calculate the efficiency ratios (ASF/GSF), and shall refer to the Format for Listing Rooms and Spaces in the Exhibits for the required format.

2.5 DESIGN INTENT NARRATIVE

2.5.1 Design Professional shall provide a narrative description of the Project's site, architectural design, and building organizational concept. Design Professional shall set forth the design concepts and important features of the Project, including the LEED™ Project Checklist referenced in Article 1.13 above. A preliminary building energy model identifying the estimated scale of the various load components and identifying potential energy and resource conservation options considering life cycle costs shall be provided.

2.5.2 Not Used.

2.5.3 Design Professional shall describe the type of construction, including the wall, ceiling, roofing, and waterproofing systems; exterior and interior finishes; and doors, windows, and casework systems. The finishes shall be identified at a gross level, indicating the type and quality level. Fire safety items, including all related mechanical and electrical devices, shall be described as required by the State Fire Marshal for the intended occupancy of the building.

2.5.4 Design Professional shall submit documentation supporting the design criteria for the structural (including structural loading), HVAC, plumbing, electrical, lighting and communication systems; and other specialized building systems.

2.5.5 Design Professional shall describe the recommended structural system and the basis for recommending this system over others. Included shall be strategies for dealing with special conditions, subsurface conditions, and substructure.

2.5.6 Design Professional shall provide the basis of design and an analysis of the principles of operation of the HVAC, plumbing and electrical systems and their controls. Included shall be the schematic diagrams and written material thoroughly describing the proposed systems and equipment.

2.5.7 Design Professional shall describe the mechanical (plumbing and HVAC systems) conceptually including controls, ducts, filtration, and piping. A written analysis of the calculated loads of proposed new HVAC systems and plumbing systems, the design demands of the Project, and the capacity of the existing systems, if any, shall be provided. Design Professional shall identify the capacity of existing systems if any, based on an examination of the Facility's Record Drawings, an inspection of the existing system, and test reports.

2.5.8 Design Professional shall describe special systems including special laboratory control systems, energy management systems, fume hood and other special exhaust systems, and similar items.

2.5.9 Design Professional shall describe the proposed new electrical systems for the power, lighting, communication, fire alarm, and security systems. Indicated in sufficient detail shall be the proposed power system voltages including the main points of connection to existing systems, electrical service voltage, and number of feeders. Items to be served by emergency power shall be listed and Design Professional shall describe design considerations for special areas.

2.5.10 All of the above descriptions shall include applicable code references where not covered by the code outline.

2.6 MATERIAL BOARD

2.6.1 Design Professional shall provide a display board with mounted samples of the actual exterior materials proposed. The board shall be 20"H x 30"W and weigh no more than 30 pounds. The material samples shall be removable from the board without disassembling the board. The area of each sample shall roughly correspond to the proportion of that material to the other materials in the proposed building.

2.7 CIVIL DRAWINGS

2.7.1 Site Demolition Plan shall show existing structures and utilities to be removed by Contractor or by others.

2.7.2 Grading Plan shall show existing and proposed contours at one foot intervals.

2.7.3 Utility Plan shall show:

- .1 All existing utilities and underground structures within the Project site based on both the information provided by University and on Design Professional's field investigation.
- .2 Off-site utilities in the vicinity required for this project, and all points of connection.
- .3 Proposed points of connection to the existing Facility utility systems including the proposed method of service and routing for electrical power, chilled water, steam, domestic water, fire water, utility water, sanitary sewer, storm drain, natural gas, telephone, and fire alarm systems. Exterior pad-mounted transformers and site distribution shall be included.

2.8 LANDSCAPE DRAWINGS

2.8.1 Landscape Design Plan shall show conceptual hardscape and planting.

2.9 ARCHITECTURAL DRAWINGS

2.9.1 Site Plan shall include:

- .1 Overall dimensions of the proposed new building(s), wings, etc.
- .2 Existing structures and streets (with names) within a radius of 300 feet of the Project site perimeter with the distances from each proposed new building exterior walls to existing buildings, property lines (setbacks), and roadways.
- .3 Major new exterior elements and, for alterations and additions, all existing exterior elements that will remain in place. These elements shall include, but are not limited to streets, service drives, easements, loading docks, parking areas (cars and bicycle), paved areas, walks, stairs, ramps, pools, retaining walls, fences, fire hydrants, recycling, and trash container locations and equipment.
- .4 Elevations of building entrances and the placement of ramps and other provisions for disabled access to the site and building. Also depicted shall be the parking area and drop-off location nearest the building, and the routes and travel distances to all building entrances.

2.9.2 Site Sections shall be included as needed to explain changes in levels within the proposed building as related to the site.

2.9.3 Floor Plans shall include:

- .1 Locations, room names, sizes (in assignable square feet), and space numbers for all programmed spaces and required gross area spaces including entrances, lobbies, corridors, stairs, elevators, toilet rooms, janitors' closets, storage and mechanical/electrical equipment rooms.
- .2 Overall dimensions of major elements of the building(s).
- .3 Building elements such as walls, columns, doors, windows, openings, and major built-in equipment.
- .4 Means for complying with applicable disabled access codes.
- .5 Floor plans for additions or alterations to existing buildings shall show the existing floor plan and indicate the existing space usages and any proposed changes.

2.9.4 Demolition Plan (whenever a Project requires the demolition of a building or portions thereof). Design Professional shall differentiate between new work (walls, doors, finishes, and so on), existing work to be removed, and existing work to remain in place.

2.9.5 Sections shall be provided as needed to explain structure and unusual design features, and shall show existing and proposed grades.

2.9.6 Elevations shall include all elevations of the building, floor-to-floor dimensions, the overall building height, and elevations of existing neighboring buildings.

2.9.7 Presentation Materials as required for presentation to the Regents (or the Regents Delegated Authority). Design Professional shall verify all requirements for presentation materials with University's Representative. These may include:

- .1 Colored presentation-quality drawings of all floor plans, elevations (all sides), sections, site plan, and other drawings, as appropriate.
- .2 When requested and using digital reproduction, photograph the presentation drawings and samples for those projects requiring design review meetings and Regents (or Regents' Delegated Authority) presentations. Return the presentation drawings to University after the slides are prepared.
- .3 Two rendered perspective drawings, in color and large enough to convey the overall design. A normal, "eye-level" view of the Project is preferred. In some instances, a "birds-eye" view will be needed to convey the full scope of the Project. The landscape features of the site development shall be shown in a realistic manner, but shall not obscure the structure.

2.10 STRUCTURAL DRAWINGS

2.10.1 Design Professional shall provide a detailed written description of the recommended structural system and the basis for recommending this system over other approaches. Design Professional shall provide a conceptual structural framing plan of a typical floor that indicates the grid system (dimensioned), columns, shear walls, and related items.

2.11 PLUMBING DRAWINGS

2.11.1 Design Professional shall provide a written analysis of the calculated load demands of proposed new plumbing systems, the design demands of the Project, and the capacity of the existing plumbing systems, if any. Indicate the proposed points of connection to the existing Facility utility systems. Refer to the site plan requirements outlined in subparagraph 2.9.1 herein.

2.12 HVAC DRAWINGS

2.12.1 Design Professional shall:

- .1 Evaluate a minimum of two alternative air systems that are in compliance with energy requirements in the California Code of Regulations, Title 24, Part 6, California Energy Code and Part 4, California Mechanical Code.
- .2 Provide a written analysis of the calculated loads of proposed new HVAC systems.
- .3 Provide a conceptual single-line mechanical diagram showing major ducts and equipment. The sizes and locations of major equipment items including cooling towers, chillers, pumps, fans, air-handling units, compressors, and related items, shall be identified.
- .4 Provide a life-cycle cost analysis for each HVAC system. This analysis shall include capital cost, operating costs, maintenance costs, and anticipated level of performance, with comparisons made between the proposed system and alternative systems. Design Professional shall provide a simple payback schedule.
- .5 Provide a description of the proposed fume hood ducting and exhaust system.

2.13 ELECTRICAL DRAWINGS

2.13.1 Design Professional shall provide a conceptual single-line diagram showing permanent as well as temporary points of connection to high-voltage, telephone, and signal systems. Included shall be the:

- .1 Method of service (Facility or local utility) showing primary service to loop switch.
- .2 Major transformers and transformer substations.
- .3 Secondary service to switchboards, motor control centers, distribution boards and panel boards for power and lighting.
- .4 Major components of the emergency power system.

2.14 GREEN BUILDING DESIGN

2.14.1 Refer to paragraph 1.13 herein.

ARTICLE 3 - BASIC SERVICES - DESIGN DEVELOPMENT PHASE

3.1 GENERAL

3.1.1 Upon 100% completion of Design Development documents, Design Professional shall submit updated versions of all Schematic Design phase submittal items as well as the additional items described below. The Design Development documents shall be consistent with the Project Program (including the gross and assignable floor areas), the Construction Budget and the Project Schedule.

3.2 CODE ANALYSIS

3.2.1 Design Professional shall update the code outline.

3.3 ESTIMATED PROJECT CONSTRUCTION COST

3.3.1 Design Professional shall provide an updated estimate as part of the Design Development documents submittal. Design Professional shall use the same estimation method and building component format as used for Schematic Design Phase estimate. The estimate shall be sufficiently detailed so that all construction components are considered, and quantities of materials and unit

costs are provided. In addition, the estimate shall include unit costs per gross square foot for all major items of the Work, broken down by building component. Design Professional shall provide a subtotal for each component and compare this estimate with the approved Construction Budget. Bring all unusual cost items to the attention of University's Designated Administrator.

3.4 AREA TABULATION

3.4.1 Design Professional shall update the area tabulation.

3.5 DESIGN INTENT NARRATIVE

3.5.1 Design Professional shall update the Design Intent Narrative. All fire safety items including the flame spread rating of all applicable material and finishes shall be identified.

3.6 MATERIAL BOARD

3.6.1 Design Professional shall update the Material Board(s) to include samples of all finish materials listed in the materials/color schedule.

3.7 CIVIL DRAWINGS

3.7.1 Grading Plan - Design Professional shall update the plan to show the general method of site drainage as affected by each proposed building. Added shall be baseline and benchmark references and elevations of major exterior elements including those for stairways, walls, and terraces.

3.7.2 Utility Plan - Design Professional shall update the plan to indicate all utility lines, duct banks, tanks and equipment that are to be abandoned, removed, or rerouted.

3.7.3 Conceptual Staging and Bicycle Routing Plan - Design Professional shall prepare plans to indicate Contractor staging and parking areas. Impacted bicycle and pedestrian pathways and proposed rerouting shall be identified.

3.8 LANDSCAPE DRAWINGS

3.8.1 Landscape Plans shall show hardscape, planting and other improvements.

3.9 ARCHITECTURAL DRAWINGS

3.9.1 Floor Plans (with a scale of not less than 1/8-inch = 1-foot 0-inches) shall include:

- .1 Corridors (with widths)
- .2 Door swings
- .3 Locations and fire ratings of all fire separations, exit enclosures, fire doors, and similar elements, as required by applicable codes.
- .4 Accessible toilets and drinking fountains.
- .5 Plumbing fixtures such as lavatories, floor drains, water closets, urinals, service sinks, drinking fountains, eyewash fountains, deluge showers, and fire-hose cabinets.
- .6 Built-in features such as fixed auditorium seats, kitchen equipment, display cases, counters, shelves, lockers, laboratory benches, casework, glass washers, sterilizers, fume hoods, and similar items.
- .7 Movable furniture, which in most cases is "not in contract" (NIC), including "interior landscape" partitions and equipment. Differentiate between movable furniture and equipment and built-in furniture and equipment (built-in items are usually included in the construction contract).
- .8 Reference all sections and elevations.

3.9.2 Roof plan shall show associated equipment, slopes, ridges, drains, and other items.

3.9.3 Elevations shall include:

- .1 Building elements including penthouses, entrances, windows, doors, stairs, platforms, louvers, vents, exhaust stacks, retaining walls, and similar items. Indicate proposed finished grades.
- .2 Windowsill and head heights.

3.9.4 Sections shall include:

- .1 Longitudinal and transverse sections for each major area, indicating floor elevations, existing and proposed exterior grades, ceiling heights, pipe tunnels, unexcavated areas, basement areas, rooflines, and parapets. Show cuts for connections to adjoining buildings where appropriate.
- .2 Include a small-scale plan or diagram (if necessary) to indicate section lines for each elevation and section.
- .3 Provisions for HVAC distribution and hood venting.

3.9.5 Large Scale Drawings - Provide detail plans, sections, and elevations for the following types of space:

- .1 Classrooms and lecture halls.
- .2 Kitchens and related service areas.
- .3 Laboratories and laboratory support areas.
- .4 Toilet and locker rooms.
- .5 Other areas of special design with notes related to materials and design.

3.9.6 Schedules shall include:

- .1 Door schedule indicating each door type, size, material, hardware group and pertinent comments.
- .2 Window schedule indicating each window type, size, material, and pertinent comments.
- .3 Preliminary interior finish schedule indicating the material, texture, and color of each finish material proposed for use in the Project.

3.10 STRUCTURAL DRAWINGS

3.10.1 Design Professional shall provide structural plans for each level of the structure (including each foundation and roof level) at the same scale as that used for the architectural plans. Design Professional shall indicate the grid system (dimensioned), columns, load-bearing walls, shear walls, footings, and related items.

3.11 PLUMBING DRAWINGS

3.11.1 Floor Plans shall show:

- .1 Plumbing fixtures and any equipment requiring plumbing service (including pumps, tanks, generators, pressure-reducing valves, etc.) showing their locations and required piping connections.
- .2 Main waste lines and stacks and vents as well as all service mains, including those for water, air, gas, and vacuum. Plumbing chases in multi-storied buildings.
- .3 Fire water mains, standpipes and hose racks.

3.12 HVAC DRAWINGS

3.12.1 Floor Plans shall show:

- .1 Mechanical equipment including air handling units, chillers, cooling towers, pumps, converters, expansion tanks, boilers, fans, fan coil units, heat exchangers, fume hoods and other equipment.
- .2 Mains for each duct system.
- .3 Typical supply and return air zones for each type of occupancy (offices, laboratories, computer rooms, conference rooms, and special application rooms.) A typical air zone shall include the terminal unit with all applicable branch ducts and air outlets and inlets.
- .4 Typical exhaust air duct for each type of application (hoods, toilet rooms, janitors' closets, transformers, mechanical/electrical equipment rooms, and other rooms as required for a satisfactory indoor environment.) A typical duct shall include an air inlet and a source destination for exhaust air.

3.12.2 Large-Scale Drawings of Equipment Rooms shall show layout of all equipment rooms to ensure that the proposed equipment will fit in the allotted space.

3.13 ELECTRICAL DRAWINGS AND CATALOG CUTS

3.13.1 Single line diagrams shall be updated to include each load center unit substation, telephone equipment rooms, and closets.

3.13.2 Floor Plans shall show layouts for power, signal, and communications on one set of drawings, and the lighting layouts shall be shown on a different set of drawings. Included shall be lighting fixtures in typical offices, laboratories, corridors, examination rooms, and similar spaces. A schedule shall be used to show detail.

3.13.3 Catalog cuts shall be provided for all proposed lighting fixtures.

3.13.4 Large-Scale Drawings shall include a layout of all equipment rooms to ensure that the proposed equipment will fit in the allotted space.

3.14 OUTLINE SPECIFICATIONS

3.14.1 Prior to beginning production of the specifications, Design Professional shall schedule a meeting with University's Designated Administrator and the Contract Administration staff to discuss specifications guidelines. At this meeting, University will provide guidelines for preparing specifications. Attendees at this meeting shall include Design Professional and its consultants including specifications writers.

3.14.2 Outline specifications with a detailed description of all building components and systems shall include:

- .1 An index showing all divisions and sections intended to be used. The format shall be that recommended by the Construction Specifications Institute (CSI), narrow scope type.
- .2 All technical sections in outline specification format.
- .3 A general description of the construction, including the structural system; wall, ceiling, roofing, and waterproofing systems; exterior and interior finishes; and doors, windows, and case work. These descriptions shall include applicable code references.
- .4 Descriptions of the plumbing and HVAC systems including controls, ducts, filtration, and piping. These descriptions shall include applicable code references.
- .5 A general description of electrical services including the voltage and the number of feeders. The specifications shall provide a specific description of items to be served by emergency power and shall describe design considerations for special areas. This description shall include applicable code references.
- .6 A description of fire safety items including all mechanical and electrical devices required by the State Fire Marshal for the intended occupancy of the building.
- .7 A description of special systems including laboratory control systems, energy management systems, special exhaust systems, and similar items.

3.15 ENERGY ANALYSIS

3.15.1 Design Professional shall submit a complete performance-approach computer simulation demonstrating Title 24 energy compliance for University review and certification. Process loads shall be clearly identified and evaluated as allowed by California Code of Regulations Title 24, Part 6. The simulation shall demonstrate compliance with University's requirement to outperform Title 24 energy efficiency requirements by the amount specified in paragraph 1.13 herein. Design Professional shall correct all non-complying aspects of the design, including the energy compliance approach.

3.16 SOLE SOURCE LISTING

3.16.1 Design Professional shall submit a list of each item of equipment and/or each system to be designated as sole source by the notation in the documents, "or equal (no known equal)". This list shall include the following information:

- .1 Description of each item of equipment and/or each system;
- .2 Estimated cost of each item of equipment and/or each system; and
- .3 Justification as to why each item of equipment and/or each system needs to be from a sole source. Include brief performance specifications detailing those features which, because they are unique or state-of-the-art, or the preclude use of an alternative product.

3.17 EMS/HVAC AUTOMATIC TEMPERATURE CONTROLS

3.17.1 If applicable to the scope of this Project, Design Professional shall specify automatic Energy Management System (EMS)/HVAC controls systems that communicate with and are interoperable with the campus system. University's Designated Administrator will arrange an initial meeting at the end of the Design Development phase to discuss the integration and specification of the EMS/HVAC Control System. Design Professional shall thereafter incorporate these requirements into Project design and Construction Documents.

3.18 GREEN BUILDING DESIGN

3.18.1 Refer to paragraph 1.13 herein.

ARTICLE 4 - BASIC SERVICES - CONSTRUCTION DOCUMENTS PHASE

4.1 GENERAL

4.1.1 Upon 50%, 100% and backcheck to 100% completion of Construction Documents, Design Professional shall submit updated versions of all of the required items for the Design Development phase submittal as well as the additional items described below. The Construction Documents shall be consistent with the Project Program (including the gross and assignable floor areas), the Construction Budget and the Project Schedule.

4.1.2 Prior to the 100% Construction Documents phase submittal, Design Professional and its consultants shall review University's Bidding Documents for Project requirements and recommend any changes needed to make them applicable to the Project. Design Professional shall include, with the 100% Construction Document phase submittal, a single marked-up set of University's Standard Specifications, Division 1, General Requirements, showing the recommended changes, if any.

4.1.3 The Drawings and Specifications shall be consistent with University's General Conditions and the Division 1 tailored for the Project, as required by subparagraph 4.1.2 herein.

4.2 CODE ANALYSIS

4.2.1 Design Professional shall update the code outline.

4.3 ESTIMATED PROJECT CONSTRUCTION COST

4.3.1 Design Professional shall update the estimate at each submittal, and shall bring any unusual cost item to the attention of University's Designated Administrator. The 100% Construction Documents estimate shall be updated by Design Professional to incorporate any additional backcheck requirements incorporated after the 100% submittal.

4.4 AREA TABULATION

4.4.1 Design Professional shall update the area tabulation.

4.5 DESIGN INTENT NARRATIVE

4.5.1 Design Professional shall update the Design Intent Narrative.

4.6 MATERIAL BOARD

4.6.1 Design Professional shall update the Material Board(s).

4.7 50% COMPLETE CONSTRUCTION DOCUMENTS

4.7.1 Cover Sheet and Regulatory Compliance Drawings shall include:

- .1 Title sheet with index, general notes, legends, and a small-scale Facility/Project location map.
- .2 Code Compliance Calculations and Diagrams.

4.7.2 Civil Drawings shall include:

- .1 Existing civil survey.
- .2 Site demolition plan.
- .3 Site utilities plan:
 - a. Coordinate size and location for all stub outs for connection by Architectural, Mechanical, Plumbing, Electrical, etc. Indicate continuation sheet number.
 - b. Indicate identification number as provided by University on all new manholes, valve boxes, cleanouts, lift stations, etc.
 - c. Completely design steam and condensate lines, steam vaults, expansion legs, anchors and guides.
 - d. Show locations, sizes, and elevations of the site sewer, street water main, and water service into the building.
- .4 Site plan.
- .5 Rough grading plan. Show drainage structures.
- .6 Site profile sections.
- .7 Details.

4.7.3 Landscape Drawings shall include:

- .1 Finished grading plan.
- .2 Hardscape (paving) plan.
- .3 Irrigation plan.
- .4 Planting plan.
- .5 Hardscape details (walls, walks, planters, etc.).
- .6 Irrigation details.
- .7 Planting details.
- .8 Other details as appropriate.

4.7.4 Architectural Drawings shall include:

- .1 Reflected ceiling plans showing all penetrations.
- .2 Details.

4.7.5 Structural Drawings shall include:

- .1 Plans that indicate the location, type of member, size, and material of each structural element (including existing elements on renovation projects) for foundations, floors, roofs, and any intermediate levels. List assumed safe bearing pressures on soils and ultimate strengths of concrete.
- .2 Schedules (beam, column and slab).
- .3 Details of all connections, assemblies, expansion joints, and similar items.
- .4 Details of the structural framing systems required to support nonstructural elements and fixed equipment.

4.7.6 Plumbing Drawings:

- .1 Floor Plans shall show:
 - a. Locations, sizes, and elevations of the building sewer, drains, waste, and waste vent stacks with connections to drains, fixtures, and equipment.
 - b. Locations and sizes of hot, cold, and circulation water mains, branches, and risers from the service entrance and tanks.
 - c. Fire-extinguishing equipment such as sprinklers and wet/dry standpipes.
 - d. Locations and sizes of natural gas, vacuum, and medical gas systems.
- .2 Riser diagrams for each system shall show all plumbing stacks with vents, water risers, and fixture connections for multi-story buildings; materials, gauges, and sizes for all elements.
- .3 Sections shall show structural, HVAC, and piping systems through congested areas.

4.7.7 HVAC Drawings shall include:

- .1 Mechanical floor plans showing the complete HVAC systems including the following items:
 - a. Heating and steam mains, including branches, with pipe sizes.
 - b. Air-conditioning systems including refrigerators, water and refrigerant piping, and duct work.
 - c. Exhaust and supply ventilating systems showing duct sizes for steam or water connections and piping.
 - d. Air and piping systems, including all branches, on each floor plan.
- .2 Detailed floor plans and sections clearly indicating the work required for all mechanical equipment rooms.
- .3 Air balance schedule indicating the CFM (cubic feet per minute) of outside air, supply air, return air, and exhaust air for each air system.
- .4 Elevations of built-up fan units to ensure required airflows and access to the component parts of the units
- .5 Flow diagram for each of the following types of water systems: Chilled water, Condenser water, Hot water and others as needed to clearly define the scope of work.
- .6 Riser diagram for each type of system (air, chilled water, heating hot water, and specialty systems).
- .7 Mounting details.
- .8 Sequence of operations diagram.

4.7.8 Electrical Drawings shall include:

- .1 Electrical service entrance and its service switches, the service feeds to the public service feeders, and the characteristics of the light and power currents.
- .2 Transformers and their connections, whether in the building or on the Project site.
- .3 Main switchboard, power panels, light panels, and associated equipment.
- .4 Feeder and conduit sizes.
- .5 Light fixtures, receptacles, switches, and power outlets.
- .6 Telephone outlets, conduits, terminal cabinets, and backboards.
- .7 Complete fire alarm system including its connection to the Facility's system.
- .8 Emergency electrical power system including generator transfer switches, fuel tanks, and all auxiliaries.
- .9 Other systems as required.
- .10 Mounting details.

4.7.9 Specifications:

- .1 Update the Specification Index.
- .2 Submit, at minimum, any six completed architectural sections from Divisions 2 through 13, one completed mechanical section from Divisions 21 through 23, and one completed electrical section from Division 26. If Division 14 is used, include one completed Section.
- .3 Update the remaining outline specifications in Divisions 2 through 48.
- .4 University will prepare its Bidding Documents including Specifications, Division 1.

4.8 ENERGY ANALYSIS

4.8.1 Update the Title 24 energy compliance computer simulation specified in paragraph 3.15 herein, including requirement to achieve the energy efficiency specified in paragraph 1.13 herein. Submit California Energy Commission forms certifying that the design complies with the code and the UC Policy on Sustainable Practices. University, acting as the enforcement agency, is required to independently check the designs and certify that they are in compliance with the code. Any non-complying aspect of the design, as determined by University's Designated Administrator, shall be corrected by Design Professional before the design can be certified by University.

4.9 STRUCTURAL, MECHANICAL, AND ELECTRICAL CALCULATIONS

4.9.1 Design Professional shall clearly list all design criteria, assumptions, and references used. Calculations shall be arranged in a clear manner and shall include schematic diagrams and spreadsheets where necessary together with information sufficient to show compliance with all applicable codes and design standards. Calculations shall be checked and stamped by an engineer registered in the applicable discipline. Submitted calculations shall include, but not be limited to:

- .1 Structural Calculations:
 - a. Preface with a statement outlining the basis for the structural design and indicating the manner in which the proposed building will resist vertical loads and horizontal forces.
 - b. Structural diagrams shall be accompanied by computations, stress diagrams and other pertinent data and shall be complete to the extent that calculations for individual structural members can be readily interpreted.
 - c. List assumed safe bearing pressures on soils and ultimate strengths of concrete.
 - d. Where unusual conditions occur, submit additional data as is pertinent.
- .2 Mechanical Calculations:
 - a. Heating and cooling load calculations.
 - b. Psychometric charts and air conditions.
 - c. Fan and coil sizing calculations and selection data.
 - d. Sizing calculations and selection data for chillers, boilers, cooling towers, heat exchangers, packaged air conditioners, etc.
 - e. Ductwork and pipe sizing calculations. (Include flows per room or coil, sizing method used and pressure drops).
 - f. Domestic/industrial hot water sizing calculations, including pump sizing.
 - g. Structural and seismic calculations for equipment supports (may be submitted with structural calculations).
- .3 Electrical Calculations:
 - a. Summary of electrical loads used in calculating transformer size.
 - b. Fault interruption calculations.
 - c. Point-by-point lighting analysis for all interior rooms and exterior areas showing light level contours graphically.
 - d. Structural and seismic calculations for equipment supports (may be submitted with structural calculations).
- .4 Plumbing, Communications, and other specialized building system calculations.

4.10 UTILITY SHUT DOWN PLAN

4.10.1 Design Professional shall provide a detailed Utility Shut Down Plan that identifies all utilities affected, how the utility is to be isolated, maximum allowable duration of interruption (if applicable) and the affected facilities for all major shut downs. Design Professional shall specify by-pass or temporary service if required to minimize disruption to University.

4.11 SOLE SOURCE LIST

4.11.1 Design Professional shall update the sole source list.

4.12 NOT USED.

4.13 100% COMPLETE CONSTRUCTION DOCUMENTS

4.13.1 Design Professional shall update the documents required for the 50% Construction Document submittal and provide additional drawings, details and specifications in sufficient detail as to be deemed 100% complete and buildable. Prior to submitting the 100% Construction Documents, Design Professional and its consultants shall have thoroughly checked, coordinated, and revised all documents to bring them to 100% completed level:

- .1 Architectural Drawings: Detail the anchorage of all fixed equipment.
- .2 Mechanical Drawings: A sufficient level of detail shall be provided to illustrate connections, routings, and other items in complex areas.
- .3 Electrical Drawings: A sufficient level of detail shall be provided to illustrate connections, routings, and other items in complex areas. All wiring shall be final-sized. Provide a schedule of feeder breakers or switches, locations of all circuits, details for other systems as required.
- .4 Soils and Materials Testing Recommendations: Design Professional shall provide written recommendations for construction phase testing and special inspections such as soils and materials testing, welding inspections, and dewatering requirements.
- .5 Contract Documents: University will prepare Bidding Documents including Specifications Division 1. University will provide the Cover Page, Table of Contents, Advertisement for Bids, Project Directory, Instructions to Bidders, Supplementary Instructions to Bidders, Information Available to Bidders, Bid Form, Location Map(s), Geotechnical Engineering Report, Prevailing Wage Determinations, Qualifications Questionnaire, Bonds, Agreement, General Conditions, Supplemental Conditions, Equal Opportunity Documentation, Exhibits and Specifications, Division 1, General Requirements. Design Professional shall provide or assist with the following documents:
 - a. Certification Page (prepared by University, signed and stamped by Design Professional)
 - b. Project Description (furnished by Design Professional, prepared by University)
 - c. Index to the Specifications (furnished by Design Professional, prepared by University)
 - d. Specifications, Divisions 2 through 48
 - e. List of Drawings (with dates furnished by Design Professional, prepared by University).

4.14 LETTER OF ASSURANCE

4.14.1 Upon completing the 100% Construction Documents, Design Professional shall submit to University a Letter of Assurance attesting that the documents are complete and ready to bid.

4.15 LIST OF ROOMS AND SPACES

4.15.1 Design Professional shall provide a complete listing of all rooms and spaces, as required in Format for Listing Rooms and Spaces in the Exhibits.

4.16 100% BACKCHECK CONSTRUCTION DOCUMENTS

4.16.1 The 100% Backcheck submittal shall either incorporate all changes and corrections required by University and review agencies as a result of their review of the 100% Construction Documents, or be accompanied by a written statement as to why such changes were not incorporated. University may reject Design Professional's explanation and require Design Professional to make the changes or corrections to the Construction Documents as previously requested by University.

4.16.2 Unless directed otherwise in writing by University, the Construction Document phase shall not be considered complete until all required agency and University approvals have been received by Design Professional. When all University and review agency required changes or corrections have been incorporated by Design Professional, the Construction Documents will be deemed to be final and ready for bid

4.16.3 Final Construction Drawings and the Certification page of the specifications submitted to University for bidding purposes shall be signed and stamped by Design Professional or the appropriate Design Professional's consultant.

ARTICLE 5 - BASIC SERVICES - BIDDING PHASE

5.1 GENERAL

5.1.1 If prequalification of construction contractors is required by University, Design Professional shall review and comment on the prequalification criteria prepared by University.

5.1.2 Design Professional's Project Architect or Engineer shall assist University in the review and evaluation of bids if requested by University.

5.2 UNIVERSITY ADMINISTRATION

5.2.1 University will administer and coordinate the following:

- .1 Reproduction of all documents, including addenda.
- .2 Completing and placing the Advertisement for Bids.
- .3 Scheduling and coordination of pre-bid conference and site visits.
- .4 Receipt of questions from bidders and distribution of questions to Design Professional.
- .5 Receipt of addenda documents from Design Professional.
- .6 Issuance of addenda.
- .7 Receipt of Bids.
- .8 Rejection of Bids.
- .9 Bidder Protests.
- .10 Contract Award and Execution.

5.3 PRE-BID CONFERENCE AND SITE VISIT

5.3.1 University's Representative will conduct pre-bid conferences and pre-bid site visits with potential bidders to help identify questions that bidders may raise during the Bidding phase. Questions from prospective Bidders shall be collected by University's Representative during these conferences and site visits. No questions shall be answered at these events which require interpretation, clarification or modifications of the Contract Documents.

5.4 BIDDERS' INQUIRIES

5.4.1 During the Bidding phase, University's Representative (or designee) will receive all requests for interpretation, clarification and modification from Bidders, and log in the date, time, and caller's name and question. University's Representative will forward this information to Design Professional. Design Professional shall submit all responses to said items to University's Representative only. Design Professional and its consultants shall not issue any verbal or written statements regarding the Bidding Documents.

5.4.2 University's Representative sets the deadline for receiving all requests for clarification or interpretation of the Bidding Documents. Questions received after the deadline may be answered at the discretion of University's Representative.

5.5 ADDENDA

5.5.1 Interpretation, clarification, and modification of the Contract Documents shall be issued only in the form of an Addendum to the Contract Documents. Design Professional shall furnish the information required to University for issuance of Addenda.

5.5.2 Design Professional is responsible for receiving, reviewing, approving, coordinating, and incorporating addenda items received from its consultant(s) into a single addendum document prior to submitting this document to University. Addenda shall be submitted to University in the same format as the Construction Documents except as follows:

- .1 In the Specifications, all additions shall be shown in bold underline or bold italics and all deletions shown in strikethrough.
- .2 In the Drawings, all changes shall be "clouded."

5.5.3 Design Professional shall provide to University at the end of the Bidding phase the following documents with changes identified as follows. In the Specifications all additions shall be shown in bold underline or bold italics and all deletions shown in strikethrough. In the Drawings, changes shall be "clouded."

- .1 One complete set in hard copy format of Construction Drawings and Specifications that fully integrate all addenda items.
- .2 One complete set on CD-ROM of Construction Drawings and Specifications that fully integrate all addenda items.

5.6 SUBMITTAL LIST

5.6.1 Design Professional shall submit, prior to the bid date, a complete list of all submittals required by the Contract Documents listed by individual specification sections.

5.7 PRE-AWARD CONFERENCE

5.7.1 Design Professional shall, if requested by University, participate in a pre-award meeting to include review of Contractor's submittals which are received with the signed Agreement of the Construction Contract.

ARTICLE 6 - BASIC SERVICES - CONSTRUCTION PHASE

6.1 GENERAL

6.1.1 Design Professional's responsibilities shall include, but not be limited to, interpretation of the Contract Documents; periodic site observations; review of submittals; preparation of documents for proposed changes; and general consultation to University on design matters. Design Professional shall be fully responsible for all matters related to Design Professional's design and all of Design Professional's recommendations to University which are carried out by University without substantive change. Design Professional's duties shall not include administration of communications with Contractor, chairing meetings with Contractor, monitoring the schedule; negotiation of price changes; and coordination of closeout. Design Professional shall cooperate with University's Representative in University's Representative's provision of contract administration services as those services are described in the Contract Documents.

6.1.2 Except as otherwise provided in the Contract Documents or as directed by University, all written communications with Contractor shall be sent and received by University's Representative. Design Professional shall advise and consult with University's Representative and shall keep University's Representative informed of the observed progress of the Work. Design Professional shall render written or graphic interpretations and decisions that are consistent with the intent of, and reasonably inferable from, the Contract Documents; review and recommend any action to be taken regarding Contractor's required submittals; and evaluate, with University's Representative, the equivalence of proposed substitutions for materials, products, or services specified by brand or trade names in the Contract Documents and recommend either approval or rejection of substitutions as being equal in quality, utility, and appearance.

6.1.3 Design Professional shall perform all Construction phase services in a timely manner, as required by this Agreement and the Contract Documents. Design Professional shall not delay its interpretations, decisions, reviews, or other functions pursuant to this Agreement so as to cause or contribute to a disruption of construction or a delay in completion of the Project.

6.1.4 Design Professional shall, at no cost to University, satisfactorily correct any and all errors, omissions, deficiencies, or conflicts in the Construction Documents prepared by Design Professional or Design Professional's consultants promptly upon discovery or notice. The obligations of Design Professional to correct defective or nonconforming Work shall not in any way limit any other obligations of Design Professional.

6.2 CONTRACT DOCUMENTS COMPLIANCE

6.2.1 Design Professional shall make (1) periodic on-site observations of construction as it progresses except for periods of construction downtime as approved by University in writing, and upon completion of construction and (2) off-site observations of fabricated materials and equipment when such off-site checks are specified in the Contract Documents. Observations shall be conducted deliberately and thoroughly. The frequency, duration, and extent of such observations shall be appropriate to and for: the progress, character, and complexity of the Work; design issues or questions of concern to Design Professional, its consultants,

University's Representative or as noted in any inspection reports furnished to Design Professional; the observed quality of Contractor's performance during previous visits; the review of construction of crucial components of the Work; and the observation of the performance of specified or University's Representative's directed tests significant to the acceptability of crucial components of the Work. Such observations shall also be performed when reasonably requested by University.

6.2.2 Observations shall be for the purpose of ascertaining: the progress of the Work; that the character, scope, quality and detail of construction (including workmanship and materials) comply with the design expressed in the Contract Documents, University's Representative's directives, approved product data and samples and clarification drawings. Observations shall be separate from any inspections which may be provided by University. University's provision of inspection services, if any, shall not relieve Design Professional of its responsibilities under this Agreement.

For OSHPD related projects, University's inspectors, if any, shall be satisfactory to Design Professional and shall act under the direction of Design Professional to the extent required by law.

6.2.3 Design Professional shall have the authority to recommend rejection of Work that is defective or that does not conform to any of the following: the Contract Documents; Design Professional's directives; applicable code requirements; approved shop drawings, product data, and samples; or clarification drawings. Such rejection shall be transmitted to University's Representative in writing for communication to Contractor.

6.2.4 Design Professional shall recommend special inspection or testing of the Work in accordance with the provisions of the Contract Documents if, in Design Professional's reasonable opinion, such inspection or testing is necessary or advisable for the implementation of the Contract Documents, regardless of the state of completion of the Work subject to such inspection or testing.

6.2.5 Design Professional shall review inspection reports, laboratory reports, and test data to determine conformity of such data with: the design requirements expressed, implied, or depicted in the Contract Documents; approved Shop Drawings, Product Data, and Samples; and Clarification Drawings.

6.2.6 Design Professional shall also recommend to University's Representative, in writing, about actions that need to be taken by University's Representative, as determined from Design Professional Project site visits, inspection reports, laboratory reports, and test data or from Contractor proposals, or other relevant documents.

6.3 INTERPRETATION OF THE CONTRACT DOCUMENTS

6.3.1 Design Professional shall be, in the first instance, the interpreter of the design requirements of the Contract Documents and the judge of the performance thereunder.

6.3.2 Design Professional's decisions or interpretations regarding the Contract Documents, or disputes arising out of the Contract Documents shall be coordinate through and issued by University's Representative following University review, but shall be based upon Design Professional's independent judgment. Information regarding, or changes to, the Contract Documents shall be issued by University on University's forms (Letters of Instruction, Field Orders, and Change Orders).

6.4 CHANGES TO THE CONTRACT DOCUMENTS

6.4.1 Design Professional shall incorporate changes (issued as revision drawings with Field Orders, RFIs or Change Orders) into the Record Documents on a monthly basis during the Construction phase.

6.5 CONSTRUCTION MEETINGS

6.5.1 Not Used.

6.5.2 Construction Meetings: Design Professional shall attend regular construction meetings at the project site scheduled to occur WEEKLY, plus special meetings as they are deemed necessary. Design Professional's consultants shall attend as necessary. If, through no fault of Design Professional, the total number of regular construction meetings attended exceeds TBD meetings, Design Professional shall be compensated for additional meetings in accordance with Agreement paragraph 5.2. Construction meeting notes will be prepared and distributed by University's Representative.

6.6 INSPECTION

6.6.1 Construction phase inspection coordinated through University's Representative, will be provided and paid for by University. Design Professional shall provide technical direction to, and interpretation of, the Contract Documents for inspectors and advise these inspectors of decisions rendered.

6.6.2 The inspectors, acting under the direction of University's Representative, will:

- .1 Be responsible for milestone inspections (spot checks) to assess compliance with the requirements of the Contract Documents.
- .2 Prepare a written report following each milestone inspection. The inspector shall notify University's Representative when work that does not comply with the Contract Document requirements is observed in the field. Observed instances of noncompliance shall be noted in the inspector's report.

- .3 Comment in subsequent inspector's reports on whether or not instances of noncompliance have been corrected.
- .4 Participate in punch list inspections for beneficial occupancy, substantial completion and final completion.
- .5 Assist University's Representative in reviewing test and inspection results from testing laboratories. If University contracts for specialty inspection services, the inspector shall report the results of these inspections to University's Representative.
- .6 Not authorize deviations from the Contract Documents.
- .7 Not advise or issue directions to Contractor regarding any aspect of construction means, methods, techniques, sequences, or procedures or regarding safety programs in connection with the Project.

6.7 MATERIALS TESTING

6.7.1 University will contract with soils and materials testing laboratories upon Design Professional's recommendations and as required by the Specifications. University's Representative or University's Representative's delegate will coordinate the activities of Contractor and University's testing consultants.

6.8 MATERIALS/COLOR SCHEDULE AND MATERIALS BOARDS - NOT USED.

6.9 COMMISSIONING PLAN

6.9.1 Design Professional shall review Contractor's or University's Commissioning Plan for accurate incorporation of design intent.

6.10 PUNCH LIST

6.10.1 Design Professional and its consultants shall review the construction with University's Representative and Contractor when notified that the construction is substantially complete, and again when notified that the construction is fully complete. Design Professional shall compile a punch list indicating any lack of compliance with Contract Document requirements and submit to University's Representative. University's Representative, Design Professional, and Contractor shall also inspect the construction when Beneficial Occupancy is required by University or stipulated in the Contract Documents. Design Professional shall advise on the issuance of the Certificate of Beneficial Occupancy and the Certificate of Substantial Completion in accordance with the Contract Documents.

6.11 FINAL APPROVAL AND INSPECTION ACCEPTANCE

6.11.1 Design Professional and its consultants shall:

- .1 Assist University's Representative to review Contractor's guarantees, and operating data to assess compliance with the Contract Document requirements.
- .2 Assist University's Representative to assemble written guarantees, operating and maintenance instruction books, diagrams, and charts required of Contractor. University's Representative is responsible for verifying that all required submittals have been received.
- .3 Recommend final acceptance of the construction and shall advise University of the acceptability of the work performed by Contractor.
- .4 Advise as to readiness for occupancy and sign a statement of that advice on University's Certificate of Occupancy and Temporary Certificate of Occupancy, as appropriate.
- .5 Attend a final inspection and sign a Final Completion form.

6.12 REVIEW OF CONTRACTOR'S AS-BUILT DOCUMENTS

6.12.1 Design Professional shall review Contractor's As-Built Documents prior to or immediately following each Contractor pay request submitted to verify that Contractor's work is in compliance with the Contract Documents. Design Professional shall review Contractor's final As-Built Documents and verify University's approval of the changes shown on the As-Built Documents prior to Design Professional's preparation of the final Record Documents.

6.13 RECORD DOCUMENTS

6.13.1 Any revisions or changes that have been made during construction shall be incorporated in the Record Documents to show the As-Built condition of the Project. The Record Documents shall include the Contract Documents, Contractor prepared shop, design, and layout drawings (24" x 36", or 30" x 42", or 36" x 48"). The Record Drawings shall include all revisions and changes made during construction both as issued by Design Professional and University and as recorded by Contractor during the course of the Project. Merely supplementing the Contract Drawings with Change Orders and Field Directive documents stamped "AS-BUILT" is not acceptable. All changes shall be transferred to the original drawings, including the revision of the digital files (AutoCAD or Revit or equal as approved in advance by University's Designated Administrator plus PDF of same drawings) for the Drawings, to reflect a true "As-Built" condition. The digital files (e-transmit.dwg and .pdf) shall be labeled "RECORD DRAWING" with the appropriate date. Design Professional shall submit an interim set of Record Drawings at the midpoint of construction incorporating all changes to date. Design Professional shall furnish fixed line photo or ink reproducible Record Drawings on bond paper. The final Record Drawings shall be submitted to University within 30 days of receiving Contractor's As-Built Drawings.

ARTICLE 7 - ADDITIONAL SERVICES

Unless required to be performed as part of basic services, the services described in this Article are additional services as described in Agreement Article 3.

7.1 PRELIMINARY DESIGN

7.1.1 Provide a rough order of magnitude cost estimate based on an anticipated program, scope, schedule, and building area.

7.1.2 Provide programming services including but not limited to the following:

- .1 Meetings.
- .2 Confirm design and sustainability goals.
- .3 Review and confirm design requirements including sustainability criteria.
- .4 Conduct user interviews.
- .5 Establish and evaluate space needs and data.
- .6 Develop project schedule, delivery method and cost model.
- .7 Conduct space/cost reviews and adjustments.
- .8 Prepare programming document.

7.2 PRE-CONSTRUCTION PHASES

7.2.1 Provide analyses of University's need and formal programming documentation of the requirements of the Project.

7.2.2 Provide planning surveys, site evaluations, environmental studies, or comparative studies of prospective Project sites.

7.2.3 Provide services to investigate existing conditions or facilities, to make measured drawings thereof, or to verify the accuracy of drawings or other information furnished by University beyond those reasonably and customarily provided in Basic Services except that additional information recommended by Design Professional in accordance with Agreement subparagraph 2.1.6 shall not entitle Design Professional to additional compensation.

7.2.4 Provide planning services for tenant or rental spaces.

7.2.5 Provide financial feasibility studies or other special studies.

7.2.6 Prepare special surveys, environmental studies, and submissions required for review or approval by governmental authorities or others having jurisdiction over the Project except submittals required for approval of the Construction Documents and as required to prepare Change Orders under basic services as stipulated in this Agreement.

7.2.7 Prepare revisions to the documents during the design phases when these revisions are inconsistent with data or written approvals previously given by University, excluding (1) corrections of design errors or omissions, and (2) modifications of the Construction Documents in accordance with Articles 4 and 5 and paragraphs 1.4 and 1.6 herein.

7.2.8 Provide services related to future facilities, systems and equipment that are not intended to be constructed during the Construction phase or that are not anticipated in the Project Program.

7.2.9 Provide interior design and similar services required for or in connection with the selection, procurement, or installation of furniture, furnishings and related equipment that are not included in the Construction Documents.

7.2.10 Provide detailed quantity surveys or inventories of material, equipment, and labor.

7.2.11 Make investigations or take inventories of materials or equipment, or make valuations and detailed appraisals of existing facilities.

7.2.12 Provide analyses of owning and operating costs, except as needed to prepare the energy analysis required herein or to participate in Construction Cost/Value Control sessions as required by subparagraph 1.6.3 herein.

7.2.13 Provide perspective drawings, models, and mock-ups, including slides thereof except as indicated in paragraph 2.1 herein for Schematic Design (if applicable) and paragraph 1.5 herein for Regents (or Regents' Designated Authority) presentation.

7.3 CONSTRUCTION PHASE

7.3.1 Prepare drawings, specifications, supporting data, and other services in connection with Change Orders after the percent change in the Construction Contract Sum as stated in Agreement subparagraph 2.6.7 has been met.

7.3.2 Provide written communications with Contractor, or provide other University's Representative services as described in the Contract Documents, including but not limited to review and approval of Contractor cost, schedule or application for payment data.

7.4 POST-CONSTRUCTION

7.4.1 Provide services as necessary to correct major defects or deficiencies in the Work of Contractor when such defects or deficiencies require services in excess of those reasonably expected on a project of this type, size and complexity, excluding warranty items, provided that such defects or deficiencies are not caused in whole or in part by errors or omissions on the part of Design Professional.

7.4.2 Provide extensive assistance in the utilization of any equipment or system; prepare operation and maintenance manuals; train personnel for operation and maintenance; and consult during operation.

7.4.3 Provide services after the issuance of the final Certificate for Payment provided that these services do not relate to the guarantee or warranty services described in Agreement subparagraph 2.6.9 or to corrections of design errors or omissions.

7.4.4 Provide services regarding replacement of any Work damaged by fire or other cause (excluding any cause resulting from the negligent acts, errors, or omissions by Design Professional).

7.5 GENERAL

7.5.1 Provide services in connection with a public hearing, mediation, arbitration proceeding, or legal proceeding, except where Design Professional is party thereto.

7.5.2 Provide services made necessary by the termination of Contractor but only to the extent such services exceed the level of service that would have been provided in the absence of a termination of Contractor.

END OF EXHIBIT C

EXHIBIT D
TO THE
EXECUTIVE DESIGN PROFESSIONAL AGREEMENT
FORMAT FOR LISTING ROOMS & SPACES

TBD

SAMPLE ONLY

EXHIBIT E **TO THE** **EXECUTIVE DESIGN PROFESSIONAL AGREEMENT**

REIMBURSEMENT SCHEDULE

Design Professional will be reimbursed actual expenditures (up to the maximum limit) in accordance with the following reimbursement schedule only when said expenditures are authorized in writing in advance by University, and only when paid invoices, receipts or other proof of payment is submitted:

Item	Description	Maximum Limit
Mileage	Non-rented car	Current Rate*
Per diem	Daily meal and incidental expenses (for periods in excess of 24 hours)	\$62.00**
Air Fare	Refundable ticket, coach, roundtrip	As approved in advance by University
Rental car	Rented car	As approved in advance by University
Hotel	Lodging expenses must be supported by original itemized receipts, regardless of the amounts incurred, and must be reasonable for the locality of travel	

* The mileage reimbursement rate is the standard rate for automobiles published by University in Business & Finance Bulletin G-28, "Policy and Regulations Governing Travel," as may be adjusted from time to time by University. Said rate is currently 53.5 cents/mile.

** For travel of less than 24 hours, Meals and Incidental Expenses ("M&IE") shall not be reimbursed unless the travel includes an "overnight stay" as supported by a lodging receipt. For domestic travel, reimbursement is limited to the actual cost of lodging. Actual M&IE shall be reimbursed up to a maximum of \$62.00 for the entire trip. An exception to the overnight stay requirement may be allowed when the traveler incurs a meal expense as part of a business meeting and must be substantiated as specified in advance by University.

Transportation, lodging, per diem and related expenses for travel between Design Professional's offices and travel between offices of Design Professional and offices of its consultants are not reimbursable. Transportation expenses shall be paid on the same basis and shall be subject to the same conditions as those in effect for employees of University. These expenses shall not be compensable unless authorized, in writing, in advance by University and subject to the following condition(s):

Transportation, lodging, and living expenses shall be reimbursable only while traveling outside the greater Los Angeles area.

REPRODUCTION, POSTAGE, AND MISCELLANEOUS EXPENSES:

Expenses for printing, reproductions, postage, handling and delivery for documents, reports, surveys, drawings, and other materials, excluding reproductions for office use by Design Professional and its consultants and postage and delivery for transmittals between Design Professional's offices or between Design Professional and its consultants.

EXHIBIT F
TO THE
EXECUTIVE DESIGN PROFESSIONAL AGREEMENT
COST ESTIMATE FORMAT

TBD

SAMPLE ONLY

EXHIBIT G
TO THE
EXECUTIVE DESIGN PROFESSIONAL AGREEMENT
PROJECT PROGRAM

TBD

SAMPLE ONLY

EXHIBIT H
TO THE
EXECUTIVE DESIGN PROFESSIONAL AGREEMENT

INSURANCE

(attached)

SAMPLE ONLY



CERTIFICATE OF LIABILITY INSURANCE

(for non-UCIP Construction Projects and Consultant/Design Contracts)

DATE (MM/DD/YYYY)

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
	PHONE (A/C, No, Ext):	FAX (A/C, No):
	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	
INSURED	INSURER A:	
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC						
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$ <input type="checkbox"/>						
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y/N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A				WC STATUTORY LIMITS <input type="checkbox"/> OTH-ER <input type="checkbox"/>
	PROFESSIONAL LIABILITY <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE						

Special Provisions:

- The Regents of the University of California, The University of California, University, and each of their Representatives, consultants, officers, agents, employees, and each of their Representative's consultants, are included as additional insureds on the general liability policy as required by contract and pursuant to additional insured endorsement CG2010 (11/85) or a combination of both CG 2010 (10/01 or 07/04) and CG 2037 (10/01 or 07/04) but only in connection with ____ (name of project) ____.
- The General Liability coverage contains a Severability of Interest provision and shall be primary insurance as respects The Regents of the University of California, its officers, agents and employees. Any insurance or self-insurance maintained by The Regents of the University of California shall be excess of and non-contributory with this insurance.

CERTIFICATE HOLDER: The Regents of the University of California

Forward to: {Office, Room Number or Mail Stop}
University of California, {Facility}
{Street Address}
{City, State, Zip}

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

EXHIBIT I **TO THE** **EXECUTIVE DESIGN PROFESSIONAL AGREEMENT**

AMENDMENT

Order Number: {#}

Project Name: {Name}
Project Number: {Number}

Date: {date}

Design Professional (Vendor):
{TBD}

Amendment Number: {#}
(Contract ID {#})

Negotiated Lump Sum Fixed Fee: \${TBD}

A. The Agreement between the Regents of the University of California and Design Professional, is hereby amended as follows:

1. {UCLA-INSERT MODIFICATIONS TO THIS AGREEMENT}

All terms and conditions of this Agreement shall remain in full force and effect unless expressly modified herein or by another duly executed Amendment.

IN WITNESS WHEREOF, University and Consultant have executed this Amendment on the date indicated below.

FOR THE UNIVERSITY

By: {Name} _____ Dated
{Title}

FOR THE DESIGN PROFESSIONAL

By: _____ Dated

EXHIBIT K **TO THE** **EXECUTIVE DESIGN PROFESSIONAL AGREEMENT** **SELF-CERTIFICATION**

For the Contractor and each Subcontractor indicated on the Report of Subcontractor Information, the following must be completed.

OR

For the Consultant and each Sub-consultant, the following must be completed.

Indicate all Business category(ies) that apply by initialing next to the applicable category(ies):

(Initial if applicable) **Small Business Enterprise (SBE)** - an independently owned and operated concern certified, or certifiable, as small business by the Federal Small Business Administration (SBA). (Size standards by Standard Industrial Classification codes required by the Federal Acquisition Regulations, Section 19.102, may be found at <http://www.sba.gov/content/table-small-business-size-standards>.) The eligibility requirements for California contracting purposes is on the [Department of General Services website](http://www.dgs.ca.gov/pd/Programs/OSDS/SBEEligibilityBenefits.aspx) at <http://www.dgs.ca.gov/pd/Programs/OSDS/SBEEligibilityBenefits.aspx>. The University may rely on written representation by the vendors regarding their status.

(Initial if applicable) **Disabled Veteran Business Enterprise (DVBE)** - a business that is at least 51% owned by one or more disabled veterans or, in the case of any publicly owned business, at least 51% of the stock of which is owned by such individuals and whose management and daily business operations are controlled by one or more of such individuals. A Disabled Veteran is a veteran of the military, naval, or air service of the United States with a service connected disability who is a resident of the State of California. To qualify as a veteran with a service connected disability, the person must be currently declared by the United States Veterans Administration to be 10% or more disabled as a result of service in the armed forces.

(Initial if applicable) **Disadvantaged Business Enterprise (DBE)** - a business concern that is at least 51% owned by one or more socially and economically disadvantaged individuals or, in the case of any publicly owned business, at least 51% of the stock of which is owned by such individuals and whose management and daily business operations are controlled by one or more of such individuals. Socially disadvantaged individuals are those who have been subjected to racial or ethnic prejudice or cultural bias because of their identity as members of a group without regard to their individual qualities. Economically disadvantaged individuals are those socially disadvantaged individuals whose ability to compete in the free private enterprise system has been impaired due to diminished capital and credit opportunities as compared to others in the same business area who are not socially disadvantaged. Business owners who certify that they are members of named groups (Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans, Asian-Indian Americans) are to be considered socially and economically disadvantaged.

(Initial if applicable) **Women-Owned Business Enterprise (WBE)** - a business that is at least 51% owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" in this context means being actively involved in the day-to-day management.

(Initial if applicable) **None of the above categories apply.**

I hereby certify under penalty of perjury under the laws of the State of California that I have read this certification and know the contents thereof, and that the business category indicated above reflects the true and correct status of the business in accordance with Federal Small Business Administration criteria and Federal Acquisition Regulations, FAR 19 pertaining to small, disadvantaged, women-owned, and disabled veteran business enterprises. I understand that falsely certifying the status of this business, obstructing, impeding or otherwise inhibiting any University of California official who is attempting to verify the information on this form may result in suspension from participation in University of California business contracts for a period up to five (5) years and the imposition of any civil penalties allowed by law.

INFORMATION FURNISHED BY:

(Print or Type Name of Owner and/or Principal)

(Name of Business or Firm)

a

(Insert type of business e.g. corporation, sole proprietorship, partnership, etc.)

By:

(Print Name)

(Title)

(Signature)

(Date)

PRIVACY NOTICE

The State of California Information Practices Act of 1977 (effective July 1, 1978) requires the University of California to provide the following information to individuals who are asked to supply personal information about themselves. Information furnished on the Self-Certification form may, in some cases, identify personal information of an individual.

- The University of California, Los Angeles, is requesting the information contained in this form and the accompanying Report of Subcontractor Information.
- The Small Business Coordinator at the University of California, Los Angeles, is responsible for maintaining the requested information. The contact information for the Small Business Coordinators may be found at: <http://www.ucop.edu/procurement-services/files/sbdmgr.xlsx>.
- The maintenance of information is authorized in part by Public Contract Code section 10500.5.
- Furnishing the information requested on this form is mandatory. If SBE, DBE, WBE and/or DVBE status is applicable, furnishing such information is mandatory.
- Failure to provide the information may be a violation of bidding procedures and/or breach of the contract and the University may pursue any and all remedies permitted by the provisions of the Contract Documents.
- The information on this form is collected for monitoring and reporting purposes in accordance with state law and University policy.

The individual may access information contained in this form and related forms by contacting the Small Business Coordinator(s).

EXHIBIT L
TO THE
EXECUTIVE DESIGN PROFESSIONAL AGREEMENT

FINAL DISTRIBUTION OF CONTRACT DOLLARS

Sheet No. 1 of 1

1	2	3	4	5					6	
Full Name of Business	Street Address, City, State and ZIP	Telephone No./ Fax No	Contact Name	Business Categories					Contract Dollars	
				SBE*	DBE*	WBE*	DVBE*	N/A	Amount (\$)	Percent (%)
(DP)										0%
(Sub1)										0%
(Sub2)										0%
(Sub3)										0%
										0%
										0%
										0%
										0%
										0%
										0%
Total Contract Amount = \$ _____				Column 6 – Business Categories					SUBTOTALS	
				SBE = Small Business Enterprise					\$	
				DBE = Disadvantaged Business Enterprise					\$	
				WBE = Women Business Enterprise					\$	
				DVBE = Disabled Veteran Business Enterprise					\$	

EXECUTIVE DESIGN PROFESSIONAL/ FEE GUIDELINE: ATTACHMENT H

The following is a guideline for determining a UC average fee for complete Basic Services:

General Building Category	Fee for New Construction Computation Formula ¹ for any construction \$ value (c)
1. wet laboratory, hospital	$32/\log(\frac{c}{1000})$
2. dry laboratory, performing arts, clinic	$30/\log(\frac{c}{1000})$
3. classroom/office, library, gymnasium	$28/\log(\frac{c}{1000})$
4. multiple housing, service shop	$26/\log(\frac{c}{1000})$
5. parking structure, utility building	$24/\log(\frac{c}{1000})$

¹ This fee computation formula may be used to determine a fee % for any construction dollar value commensurate with the averages shown (for new construction); for renovation work add 2% of construction value to this calculation, e.g. –

$$32/\log(\frac{c}{1000}) + 2.0$$



