ADDENDUM NO. 18

May 8, 2019

REQUEST FOR PROPOSALS
(BID DOCUMENTS)

FOR

STUDENT SUCCESS CENTER
PROJECT NO. 950512

The following changes, additions, or deletions shall be made to the following documents as indicated for this Project; and all other terms and conditions shall remain the same. Each Proposer (Design Builder) is responsible for transmitting this information to all affected subcontractors and suppliers before the Proposal Deadline.

1. ANNOUNCEMENT TO PREQUALIFIED PROPOSERS

Delete the "Announcement to Prequalified Proposers" and **replace** with the one issued in this Addendum.

2. REQUEST FOR PROPOSALS

A. Proposal Schedule

Delete the **"**Proposal Schedule" and **replace** with the one issued in this Addendum.

B. Request for Proposal

Delete the **"**Request for Proposal" and **replace** with the one issued in this Addendum.

C. Technical Proposal

Delete the "Technical Proposal" and **replace** with the one issued in this Addendum.

D. Price Proposal Form

Delete the "Price Proposal Form" and **replace** with the one issued in this Addendum.

E. Preliminary Schedule (Division 0)

Delete "Preliminary Schedule" and **replace** with the one issued in this Addendum.

F. General Requirements (Division 01)

1. Section 01 2200- Unit Prices

   Delete "Section 01 2200 – Unit Prices" and **replace** with the one issued in this Addendum.

2. Section 01 8113- Sustainable Design Requirements

   Delete "Section 01 8113 – Sustainable Design Requirements" and **replace** with the one issued in this Addendum.

G. Specifications (Divisions 02-33)

1. Division 14-Conveying Equipment

   Delete the "Division 14- Conveying Equipment" and **replace** with the one issued in this Addendum.

H. University Furnished Information

1. Table of Contents

   Delete the "University Furnished Information Table of Contents" and **replace** with the one issued in this Addendum.

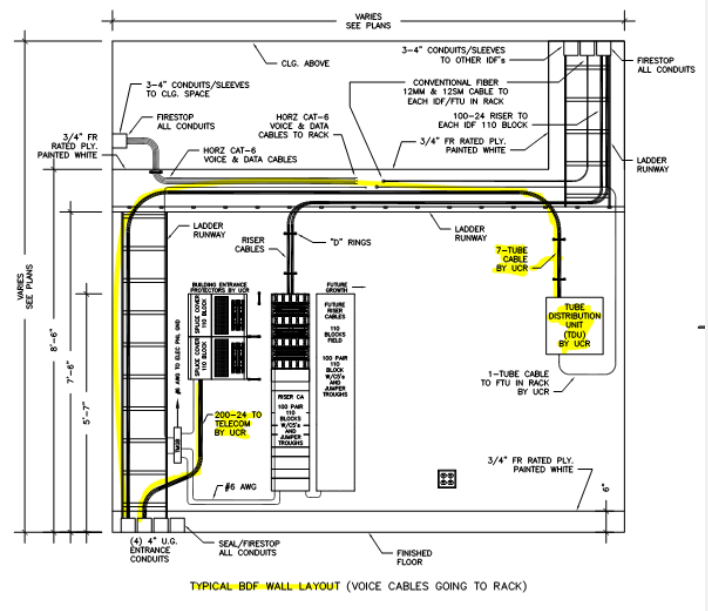
2. **Add** Item "53 Lecture Hall Furniture Products" to the Table of Contents and place documents in University Furnished Information folder.

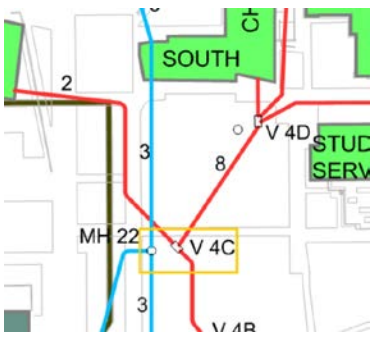
3. **Add** Item "54 Unmanned Aircraft Systems- Insurance Requirements" to the Table of Contents and place documents in University Furnished Information folder.

53.	***LECTURE HALL FURNITURE PRODUCTS***		
A.	***M-Series: Lecture Hall Furniture***	***Sedia Systems Inc.***	***2017***
B.	***Beam and Jury-Series***	***Sedia Systems Inc.***	***2017***
54.	***UNMANNED AIRCRAFT SYSTEMS- INSURANCE REQUIREMENTS***		
A.	***University of California UAS Liability Insurance and 3rd Party Minimum***	***University of California- Center for Excellence***	***August 2, 2016***

3. DESIGN BUILDER QUESTIONS & ANSWERS

Q98	What is the University's process on Drone footage on campus?
A98	**The University of California stipulates guidelines for insurance requirements on construction-related projects. The Guidelines for Unmanned Aircraft systems- Insurance requirements is being issued to the Design Builder with Addendum No. 18 as University Furnished Information.** **UCR requires that these insurance guidelines be met prior to submitting a request for use of a drone on campus. Any request for drone flight must be submitted per RFI Response 28 along with evidence the insurance requirements identified above have been met.** **The Design Build teams must also comply with the following:** • **UAS Flight Request must be submitted at least 72 hours prior to proposed flight date.** • **All requestors must have an authorized license to operate a drone.** • **Proof of Aviation Liability ($5 million Coverage)** • **Submit application for permit to: https://uassafety.ucmerced.edu/form/temporary-uas-flight-request** • **Must provide a Flight Operation Plan to include controlled area plan (cones, caution tape, how they would keep pedestrians outside and away from the site of the drone)** • **Upload Flight Operation Plan and Proof of Aviation Liability to permit application** • **Any questions regarding Drone permits can be directed to the University via RFI.** **Please note: A flythrough of the design is not a required deliverable for the proposal.**
Q99	Is there a preference for the University to have the lecture room seating in a semicircular in geometry? The room data sheets for the medium and small lecture halls show the space in a semi-circle arrangement- we believe we can achieve the performance requirements for

	sight lines of the space by making the room more oblong, and straightening the formation of the space.
A99	**UCR Faculty has indicated a preference for rooms to be semicircular to meet the interaction requirements and sightlines for the space. The University is reluctant to consider a rectangular arrangement of seating.** **The University is open to pursue an oblong geometry for the lecture hall seating- if the Design Builder can provide substantial evidence that demonstrates this change meets design/ performance criteria or enhances the performance of the room. The Design Builder to illustrate this in their proposal.**
Q100	Per the attached document (2019.04.30 - UCR-SSC RFI - 13 attachment)- located in Addendum 8 / 33_CampusComm / 33-A. BDF WallElev&RackPower5, please confirm UCR is providing the incoming fiber / copper to the MPOE. Please confirm Design Build scope of work is to provide conduit raceway to tunnel only.  TYPICAL BDF WALL LAYOUT (VOICE CABLES GOING TO RACK)
A100	**The Design Builder is required to provide the incoming fiber/ Copper to the MPOE and conduit raceway per RFI response to Q68. The above exhibit is only to illustrate a Typical BDF Wall Layout.**
Q101	Is there either an Outline Specification, Basis-of-design, or Campus Standard for the Fixed Audience Seating? If unavailable, is it the Design Builder's discretion to select the Fixed audience Seating and Fixed Furnishing (e.g., fixed tables) for the Lecture Halls or will the University provide a desired outline specification/basis-of-design/campus standards to be met?
A101	**The University does not have a campus standard for fixed furnishings.** **The Design Builder is required to provide fixed furnishing to meet the performance requirements of the space as identified in the BOD and to meet the quality and durability standards set for the Basis of Design products (Sedia systems or equal). (M-Series and Beam & Jury Series Product information is being issued as University Furnished information in Addendum No. 18).**

	Fixed furniture selections to be cohesive with the architectural design of the space. The Design Builder would be required to coordinate with the University's Representative for selections of colors and finishes- Final finishes to be durable and stain resistant. **The University requires all furniture to meet the following requirements:** • **All furniture shall be a listed/approved product.** • **All furniture shall be used in accordance with its specific manufacturer's specifications and listing.** • **All furniture shall comply with the flame-retardant requirements set by the Campus Fire Marshal/ State of California.** • **All furniture shall be installed/fastened/secured in accordance with the manufacturer's installation instructions and specifications.** • **All furniture shall comply with required clearances, heights and other dimensions in accordance with the California Building Standards Code.** • **And, all furniture shall comply with accessibility requirements as mandated by the California Building Standards Code.** **In addition, the Design Builder is required to provide design services for 'Not in Contract' Group 2 & 3 furniture as indicated in the Scope of work Section 3.3.2-6**
Q102	Can the Design Builder provide electrical outlets as part of the fixed furniture assembly in the lecture hall? Or does the University require the use of floor boxes?
A102	**The Design Builder can provide electrical outlets as part of the fixed furniture assembly for the capacity in the lecture halls.** **The Design Builder to provide floor boxes, for convenience outlets as required for the space- for equipment, operations and maintenance purposes.**
Q103	Vault V4D serves multiple existing buildings directly (Chass Inter. South, Athletics & Dance BLDG, & SSS). Connectivity from V4C will be disconnected and rerouted during this project. Can V4D and the existing buildings be energized from the feeders passing through vault V4E?
A103	**Vault 4D cannot be used to energize feeders for the existing buildings.**
Q104	During the site walk on 4-04-19 the college electrical maintenance made mention that there would be a conduit required to be installed between Vault #4C and Vault #10. Please advise on the size and quantity of conduits required as this is not reflected in the RFP.
A104	**Two 4" Conduits would be required between V4C and <u>Manhole 22.</u>** **Please see Image below.** 

Q105	Is vault V4D adequately sized to terminate the new feeders to serve the Student Success Center? The RFP states that an SF6 is not required, is there another means of disconnect or overcurrent protection required in the vault or is it acceptable to only be able to disconnect the Building from the interior substation?
A105	**The SF6 in V4D is at the end of its life cycle and needs to be replaced with a switch (PME10) above ground. It is anticipated that based on the current Basis of Design that V4D would need to be relocated. The Design Builder is required to confirm size of feeder requirements and vaults.** **The Design Builder will have to confirm the overcurrent protection and disconnect requirement in their design.** **Note: The University Facilities Services has expressed a preference for Exterior Pad mounted sub-stations in place of interior substations. Refer RFI Response 69, and 90.**
Q106	We believe we will need to splice and extend existing 12kV feeders on the campus to excavate the new Student Success Center. Please confirm the existing MV conductor sizes from V4B to V4C, V4C to V4D, V4C to the unnamed vault serving the Arts Building and Fine Arts Building. Please also confirm (2) 5" conduit are adequate (no empty spares) and if concrete encasement is required.
A106	**The existing MV Conductor size cables for the vaults labelled above is 500 kcmil 15 Kv class copper tape shielded EPR mv90 cable. The conductor feeding buildings drop in size- but the trunk line feeders remain the same size.** **Any conduits that are required to be PVC concrete encased. The University desires an additional 2 5” empty spares.**
Q107	Are AEDs required for the Building?
A107	**Yes the University requires AEDs to meet Code Mandated requirements.**

ANNOUNCEMENT TO PREQUALIFIED PROPOSERS

Subject to conditions prescribed by the University of California, Riverside, sealed proposals for a Design Build contract are invited from prequalified proposers for the following work:

STUDENT SUCCESS CENTER

DESCRIPTION OF WORK

The proposed Student Success Center will be a 60,000 GSF / 39,000 ASF facility that will address UCR's growing student population and its shortfall in classroom capacity. The Project will consist of three primary program elements: 1) General assignment classrooms designed for modern pedagogies and technology. 2) Multipurpose student life spaces for use by student organizations, and areas for scholarly activity such as tutoring, mentoring and study. 3) Shelled Dining Services venue.

Maximum Acceptance Cost: ~~$47,100,000~~ **~~$49,000,000~~** ***$49,980,000*** (funding is pending administrative approval)

The University has determined that the following Proposers have been prequalified:

HENSEL PHELPS CONSTRUCTION CO, Irvine, CA 92612
MCCARTHY BUILDING COMPANIES, INC. Newport Beach, CA 92660
SWINERTON BUILDERS, Irvine, CA 92416

PROCEDURES:

Pending administrative approval, Request for Proposals will be available beginning at **2:00 PM,** on **Friday, January 11, 2019** and will be issued at:

IB Reprographics
3363 Durahart Street
Riverside, CA 92507
Phone: (951) 682-1850
Website: https://www.ibrepro.com/

Technical Proposals must be received on or before: ~~Thursday, April 11, 2019~~ ~~Thursday, May 16, 2019,~~ ~~Thursday, April 27, 2019~~ **Thursday, June 27, 2019, 2:00 PM**

Price Proposals must be received on or before: ~~Friday, April 12, 2019~~ ~~Friday, May 17, 2019,~~ ~~Friday, April 28, 2019~~ **Friday, June 28, 2019**, **2:00 PM**

Price Proposals will be opened at: ~~Thursday, April 23, 2019~~ ~~Monday, June 3, 2019~~, ***Tuesday, July 16, 2019, 11:00 AM*** at:

~~Architects & Engineers~~ Planning, Design & Construction
University of California, Riverside
1223 University Avenue, Suite 240
Riverside, California 92521
951-827-7911

Mandatory Pre-Proposal Conference & Project Site Visit. A mandatory pre-proposal conference will be conducted on **Monday, January 14, 2019**, beginning promptly at **1:30 PM**. Only proposers who participate in the pre-proposal conference and project site visit, in their entirety, will be allowed to propose on the project. Participants must arrive at or before **1:30 PM**. Persons arriving later than **1:40 PM** will not be allowed to submit proposals as design builder on the project. The Big Springs Parking Garage located on Big Springs Road will be opened for all

participants to park. A parking attendant will be issuing permits at the Big Springs Parking Garage from 12:00 PM - 1:30 PM.

Participants shall meet at:

Glen Mor Building K, Rooms K106/K108
University of California, Riverside
Riverside, California 92507
951-827-7911

Proposers shall come prepared with questions concerning needed clarifications and shall only send their project manager, design professional, or other professional intended to work on the project to attend this meeting. For further information, contact Lynn Javier, University's Consultant at (951) 827-7911, lynn.javier@ucr.edu

Proposal Security in the amount of 10% of the Lump Sum Base Proposal, excluding alternates, shall accompany each bid. The surety issuing the Bid Bond shall be, on the bid deadline, an admitted surety insurer (as defined in the California Code of Civil Procedure Section 995.120)

All insurance policies required to be obtained by Design Builder shall be subject to approval by University for form and substance. All such policies shall be issued by a company rated by Best as A- or better with a financial classification of VIII or better, or have equivalent rating by Standard and Poor's or Moody's.

The successful proposer and its subcontractors will be required to follow the nondiscrimination requirements set forth in the proposal documents and to pay prevailing wage rates at the location of the work.

No contractor or subcontractor may be listed on a Bid for this project (submitted on or after March 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)].

No contractor or subcontractor may be awarded any portion of this project (awarded on or after April 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5.

This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

The successful proposer 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.

The successful proposer will be required to have the following California contractor's license at the time of the proposal opening: **General Building Contractor "B" License.**

Lynn Javier, University's Consultant, (951) 827-7911, lynn.javier@ucr.edu
Bid Board: http://ae.ucr.edu/business/contractors.html

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
University of California, Riverside
Dates of Publication: 12/21/2018 thru 01/14/2019

PROPOSAL SCHEDULE

	ACTIVITY	DATE	TIME
A	The RFP will be available to Prequalified Proposers, subcontractors and design consultants.	**1/11/19**	**2:00 PM**
B	**Pre-Proposal Conference & Site Visit – Mandatory for all Prequalified Proposers.** Participants must arrive at University of California, Riverside, Glen Mor, Building K, Room K106/K108, Riverside, CA 92507 at or before the established time.	**1/14/19**	**1:30 PM**
C	The University will hold confidential One-on-One meetings with each Proposer prior to the Technical Proposal Submittal for the purpose of answering questions, clarifying RFP and program requirements, reviewing and validating preliminary designs etc. Meeting location: University of California, Riverside, Pentland Hills Bear Cave B107/C101, Riverside, CA 92507.	**2/7/19**	**8:30 AM (SB)** **11:00 AM (HP)** **1:30 PM (MB)**
	The University will hold confidential One-on-One meetings with each Proposer prior to the Technical Proposal Submittal for the purpose of answering questions, clarifying RFP and program requirements, reviewing and validating preliminary designs etc. Meeting location: University of California, Riverside, University Village, 1299 University Ave., Room EUV-1103, Riverside, CA 92507.	**3/1/19**	**8:00 AM (MB)** **10:30 AM (SB)** **1:00 PM (HP)**
	The University will hold confidential One-on-One meetings with each Proposer prior to the Technical Proposal Submittal for the purpose of answering questions, clarifying RFP and program requirements, reviewing and validating preliminary designs etc. Meeting location: University of California, Riverside, Alumni & Visitor Center, Alumni Johnson Board Room, 3701 Canyon Crest Drive, Riverside, CA 92521.	**3/21/19**	**8:30 AM (HP)** **11:00 AM (MB)** **1:30 PM (SB*)***
		05/21/2019	**9:30 AM (SB)** **12:00 PM (HP)** **2:00 PM (MB)**
D	**Technical Proposal Submittal is due from Proposers and will be received only at University of California, Riverside, Planning, Design & Construction, 1223 University Avenue, Suite 240, Riverside, CA 92507. The Technical Proposal Submittal is defined in the *Technical Proposal*.**	**06/27/2019**	**2:00 PM**
E	**Lump Sum Base Price Proposal Submittal is due from Proposers and will be received only at University of California, Riverside, Planning, Design & Construction, 1223 University Avenue, Suite 240, Riverside, CA 92507. The Lump Sum Base Price Proposal Submittal is defined in the *Lump Sum Base Price Proposal*.**	**06/28/2019**	**2:00 PM**

F	The University's Technical Review Committee will meet to review timely submitted Technical Proposals as described in the Proposal Evaluation Process document.	~~5/29/19-5/30/19~~ ***07/11/2019-07/12/2019***	**8:00 AM – 5:00 PM**
G	Proposers shall make an Oral Presentation and describe the best value aspects of their proposals. Cost shall not be discussed during the Oral Presentation.	~~5/31/19~~ ***07/15/2019***	**8:00 – 5:00 PM**
H	Timely submitted Lump Sum Base Price Proposals shall be publicly opened at University of California, Riverside, Planning, Design & Construction, 1223 University Avenue, Conference Room Suite 210-16, Riverside, CA 92507. The University will acknowledge the timely receipt of submittals and whether or not the submittals appear to be responsive. No cost or point scoring information will be disclosed to the public at this time.	~~6/3/19~~ ***07/16/2019***	**11:00 AM**
I	The University will issue Notice to Proceed- Phase 1 to the successful proposer.	08/23/2019	

Late Proposals: Any proposal, modification, or revision that is received at the designated University of California, Riverside, Planning, Design & Construction location after the exact time specified for receipt of proposals is "late" and will not be considered unless it was the only proposal received. Late proposals and modifications that are not considered will be held unopened, unless opened for identification, and then returned to the Proposer after award.

REQUEST FOR PROPOSAL

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1. INTRODUCTION

The Regents of the University of California (the "University") intend to award a contract to the prequalified Design Build team (the "Proposer") that is deemed to offer the best value for design build services to construct the Student Success Center project (the "project") located on the University of California, Riverside campus.

The University of California has completed the prequalification process for design build services relating to the project. **Proposals will be accepted only from prequalified Design Builders, herein after referred to as "Proposers."** This Request for Proposal (RFP) establishes the requirements for proposal submission.

The University reserves the right to reject any, or all, proposals or to withhold the award of this project for any reason it may determine.

1.1 Purpose

The University's primary objective in utilizing the design build approach for this project is to bring the best available design and construction experience and expertise together to work with the University as a team, and successfully meet the requirements of this project.

The University desires to select a responsive, highly qualified Proposer to deliver a design build project that fully meets the University's established needs and expectations with respect to the scope of work, budget, quality, functionality, flexibility, and operational design standards. The design build approach is intended to allow designers and contractors to work together to address each project requirement and to deliver an effective and comprehensive project that meets all the established requirements.

The University requests integrated solutions with quality design and construction within the established Maximum Acceptance Cost.

1.2 Project Description

The University of California Riverside (UCR) proposes to develop a Student Success Center (Project), a new facility of 60,000 GSF / 39,000 ASF. The purpose of the Project is to address UCR's growing student population and its shortfall in classroom capacity. UCR envisions the Project to increase utilization of instructional and student space and uphold UCR's academic mission through its explicit focus on "student success". The Project consists of three primary program elements:

- General assignment classrooms designed for modern pedagogies and technology;
- Multipurpose student life spaces for use by student organizations, and areas for scholarly activity such as tutoring, mentoring, and study;
- Shelled Dining Services venue.

The overall goal for the Student Success Center is to create a visionary and transformational facility that supports education and student success through active learning, collaboration, and community-building, while also responding to the external site and climate conditions in a manner that integrates the building into the surrounding campus landscape. Bringing together classrooms and student life space, the Project has a unique opportunity to create highly utilized

instructional, collaborative, and social spaces by capitalizing on synergies between these two facets of the student experience.

The University envisions the Project to be a showcase piece; a unique and dynamic location that becomes the number one stop on the campus tour. While function and practicality are key, the facility shall also inspire creativity and create a memorable place, one that engenders a deep emotional attachment for the students, faculty, and staff who inhabit the space. Located at the prominent intersection of the Arts Mall and Carillon Mall, the Project shall be a gateway building, providing an enhanced identity to the Academic Core.

1.3 Proposal Documents

Proposers must comply with the specific requirements herein as well as the provisions contained in the Design Build Agreement (the "contract"). By submitting its proposal, the Proposer agrees to all of the terms and conditions contained therein and further agrees, if selected for award, to execute a contract including such terms and conditions.

The University makes copies of the RFP Documents available, on the aforementioned terms, for the sole purpose of obtaining Proposals for the Work (as defined in Section 2, The Work) and does not confer a license or grant permission for any other use of the Proposal Documents.

This RFP includes the following Proposal Documents, as may be modified by addenda, for use by Proposers in the preparation of their proposals and for incorporation into the awarded contract.

.1 REQUEST FOR PROPOSAL DOCUMENTS:

a. Proposal Schedule
b. Request for Proposal
c. Technical Proposal
d. Lump Sum Base Price Proposal
e. Price Proposal Form
f. Bid Bond
g. Lump Sum Base Price Proposal Spreadsheet
h. Proposal Evaluation Process
i. Preliminary Schedule
j. University Furnished Information

.2 DESIGN BUILD CONTRACT / EXHIBITS:

a. Agreement
b. General Conditions
c. Supplementary Conditions
d. Project Program & Design Criteria (January 11, 2019)
e. Basis of Criteria Compliance Matrix
f. Project Directory
g. Scope of Work
h. General Requirements (Division 01)
i. Specifications (Divisions 02-33)
j. Design Professional Rate Schedule for Additional Services
k. Proposal
l. Standard Contract Forms (Exhibits)

1.4 Maximum Acceptance Cost

.1 The Maximum Acceptance Cost (MAC) for this project has been established by the Regents of the University of California as ~~$49,000,000~~ ***$49,980,000***

The MAC represents the maximum total available funding for contract award.

.2 Proposals submitted that exceed the MAC will be deemed nonresponsive and excluded from consideration for contract award.

The MAC = Lump Sum Base Price Proposal (including any applicable design fees)

1.5 Basis of Selection and Contract Award

Selection shall be based upon a "best value" determination, which is calculated on a "cost per point" basis as identified in the Proposal Evaluation Process section in this RFP. The responsive

Proposer with the lowest best value score (lowest cost per technical point) and with a Price Proposal that does not exceed the MAC will be determined to be the apparent Lowest Responsible Proposer. University will have the right to waive nonmaterial irregularities in a proposal.

University will select the best value proposal and notify such Proposer on University's form within **90 Days** after the proposal deadline or reject all proposals. Within 10 days after receipt of the Notice of Selection as the successful Proposer, Proposer shall submit the following items:

.1 Three (3) originals of the Agreement signed by Design Builder.
.2 Three (3) originals of the Payment Bond required under Article 11 of the General Conditions.
.3 Three (3) originals of the Performance Bond required under Article 11 of the General Conditions.
.4 Original Certificates of Insurance on the form provided by University required under Article 11 of the General Conditions.
.5 Fully executed "Declaration of Bidder Minimum Occupational Safety and Health Qualifications" form. Proposer need not submit this form with proposal if it was previously submitted during the prequalification process.
.6 If Proposer wishes to utilize securities in lieu of retention or deposit retention into escrow *beginning with the initial Application for Payment*, (1) Selection of Retention Options accompanied by (3) completed Escrow Agreements for Deposit of Securities in Lieu of Retention and Deposit of Retention (refer to Article 9.5 of the General Conditions).

If all submitted items are in compliance with the requirements of the RFP Documents, the University will award the Contract by returning a fully executed copy of the Agreement to Design Builder.

The University may reject the successful Proposer if the Proposer: (1) withdraws its proposal; (2) fails or refuses to sign all of the items required by the Proposal Documents within 10 days after receipt of Notice of Selection; or (3) is not financially or otherwise qualified to perform the Contract. In such case, the University will select the next best value proposal until all proposals are exhausted or reject all proposals.

1.6 General Proposal Requirements, Terms and Provisions

.1 *Key RFP Definitions:*

***Definitions**:* Except as otherwise specifically provided, definitions set forth in the General Conditions or in other Contract Documents are applicable to all Proposal Documents.

***Addenda**:* Written, electronic or graphic supplements issued by University not later than 3 business days prior to the Proposal Deadline, which modify or interpret the Proposal Documents by addition, deletion, clarification, or correction. No other form of communication, oral or written, modifies the Proposal Documents.

Basis of Design: The terms "Basis of Design," and "Design Criteria," may be used interchangeably.

***Business Day**:* Any day other than a Saturday, a Sunday or University designated holiday.

Conflict of Interest: Occurs when an architect, engineer, or other consultant works on a project on behalf of more than one client. To avoid any such conflict of interest, any consultant hired with the primary role of developing the project program plan or project proposal documents on behalf of the University is precluded from participating as a member of the Design Build Team.

***Facility**:* As used in this RFP, the University's Facility office issuing the Proposal Documents.

***One-on-One Meetings**:* Confidential discussions between the University and each Proposer to clarify RFP and program requirements, review preliminary designs and obtain

the University's validation. Any changes to the Proposal Documents will be made only by Addenda issued by the University (see the *University Responses* provision below**).**

***Planholder**:* A person or entity who is known by the issuing office to have received a complete set of Proposal Documents and who has provided contact information for receipt of pre-proposal communications.

***Proposal Deadline**:* The date and time on or before which Proposals must be received, as designated in the Proposal Schedule and which may be revised by Addenda.

***Proposal Documents**:* The documents (including electronic files) prepared and issued with the RFP including all Addenda thereto.

***Proposer**:* A prequalified person or firm(s) that submits a proposal. Note: The terms "Proposer," "Design Builder," "Design Build Entity", and "Design Build Team" may be used interchangeably.

.2 *Form and Content of Proposal:* The format and content of the proposal submittal are specified in the *Technical Proposal and Lump Sum Base Price Proposal sections of this Document*. Proposals should be concise, straightforward, prepared simply and economically. Expensive displays, bindings, or promotional materials are neither required nor desired.

.3 *Proposer Understanding:* By submitting its proposal(s), Proposer acknowledges that it has read, understood, and submitted its proposal(s) in accordance with the provisions of the Proposal Documents.

.4 *Additional Proposal Requirements:* Proposer shall, before submitting its proposal, carefully study and compare the components of the Proposal Documents with any other work being bid concurrently or presently under construction which relates to the Work for which the Proposal is submitted; shall examine the project site, the conditions under which the Work is to be performed, the local conditions; and shall at once report to University's Representative errors, inconsistencies, or ambiguities discovered. If Proposer is awarded the contract, Proposer waives any claim arising from any errors, inconsistencies or ambiguities resulting from such examinations that Proposer, its subcontractors or suppliers, or any person or entity under Proposer became aware of, or reasonably should have become aware of, prior to Proposer's submission of its proposal.

.5 *Requests for Clarification:* Requests for clarification or interpretation of the Proposal Documents shall be addressed only to the person(s) designated by the University to receive such information. Any other communication to any other person(s) or firm(s) shall be deemed invalid.

.6 *University Responses:* Clarifications, interpretations, corrections, and changes to the RFP Documents will be made by Addenda. **CLARIFICATIONS, INTERPRETATIONS, CORRECTIONS, AND CHANGES TO THE RFP DOCUMENTS MADE IN ANY OTHER MANNER SHALL NOT BE BINDING AND PROPOSERS SHALL NOT RELY UPON THEM.**

.7 *Distribution of Addenda:* Addenda will be issued only by the University and only in writing. Addenda will be identified as such and will be distributed via e-mail, mail, fax, courier, or through other services to all Planholders.

Copies: Copies of Addenda will be made available for inspection wherever RFP Documents are on file for inspection. Addenda will be issued such that they should be received by Planholders who have provided contact information for receipt of Addenda, no later than 3 business days prior to the Proposal Deadline. Addenda withdrawing the RFP or postponing the Proposal Deadline may be issued anytime prior to the Proposal Deadline.

Receipt of Addenda: Each Proposer shall be responsible for ascertaining, prior to submitting a proposal, that it has received all issued Addenda.

.8 *Subcontractor Disclosure & Listing:* Proposer shall list all Subcontractors identified at the time of submitting its Proposal, using the Expanded List of Subcontractors in the Exhibits. See General Conditions for requirements in updating additional Subcontractors during the course of the Work.

.9 *Equal Opportunity:* 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 Proposer may be required to show evidence of its equal employment opportunity policy. The successful Proposer and its subcontractors will be required to follow the nondiscrimination requirements set forth in the Bidding Documents and to pay prevailing wage at the location of the work.

The work described in the contract is a public work subject to section 1771 of the California Labor Code.

.10 No contractor or subcontractor, regardless of tier, may be listed on a Proposal for, or engage in the performance of, any portion of this project, unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 and 1771.1.

The successful Proposer 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.

.11 *Prevailing Wages:* Proposer shall pay prevailing wage rates at the location of the work as published on the DIR website and provided with this RFP as University Furnished Information.

.12 *Return of Bid Security:* Bid security will be returned after the contract has been awarded. **Notwithstanding the preceding, if a Proposer fails or refuses, within 10 days after receipt of Notice of Selection, to sign the Agreement, or submit to University all of the items required by the RFP Documents, the University will retain the Proposer's bid security.** If the bid security is in the form of a Bid Bond, the Bid Security will be retained until the University has been appropriately compensated. If the Bid Security is in the form of a certified check, the University will negotiate said check and, after deducting its damages, return any balance to Proposer.

.13 *Oral Presentations:* Proposer shall make an oral presentation of its proposal that describes the most important aspects of its approach to the project and provide proposal clarifications requested by the University's Technical Evaluation Committee.

.14 *Incorporation of Proposal Clarifications into the Proposal*: The University's summation of Proposal Clarifications as confirmed by Proposer, shall be accepted by signature of selected Proposer and incorporated into their proposal by reference.

.15 *Incorporation of Proposal into the Contract:* The selected Proposer's proposal shall be incorporated into, and shall be an integral part of the Contract.

.16 *Award Upon Receipt of Initial Proposal:* The University intends to evaluate initial proposals and award a contract without allowing Proposers to revise their proposals. Therefore, initial proposals should contain the best terms from a price and technical standpoint.

.17 The University reserves the right to proceed to a "Best and Final Offer" (BAFO) phase by requesting Proposal Revisions and conducting discussions with the Proposers if it later determines them to be necessary. At the conclusion of discussions with all Proposers, the University will establish a deadline for receipt of BAFO proposals. Discussions with

Proposers after receipt of a proposal do not constitute a rejection or counteroffer by the University. As used in this provision, the following definitions apply:

"BAFO Discussions" are exchanges between the University and the Proposer that occur after the submittal of proposals should it be necessary to call for a BAFO. During the BAFO process, the Proposer will be allowed to submit a revised proposal.

BAFO PROPOSALS (IF REQUESTED) THAT EXCEED THE MAC WILL NOT BE CONSIDERED FOR CONTRACT AWARD. FAILURE TO SUBMIT PROPOSAL REVISIONS WILL RESULT IN THE PROPOSER BEING DEEMED NONRESPONSIVE.

.18 Occupational Safety and Health Qualification: Proposer and each Subcontractor at all tiers meet the following minimum occupational safety and health qualifications:

a. Proposer and each Subcontractor have no Final Order (declared by OSHA) Willful violations in California of Part 1 (commencing with Section 6300) of Division 5 of the Labor Code during the five-year period prior to bid opening.
b. Proposer and each Subcontractor have maintained a workers' compensation Experience Modification Rate (EMR) that averages below 1.25 for the past five years.
c. Proposer and each Subcontractor have instituted an injury prevention program pursuant to Section 3201.5 or 6401.7 of the Labor Code.

After selection of the apparent best value responsive and responsible Proposer and issuance of the Notice of Selection, and prior to contract award, Proposer shall furnish to the University a "Declaration of Bidder Minimum Occupational Safety and Health Qualifications" form completed by Proposer and each listed Subcontractor.

After contract award, Proposer will require each of its Subcontractors at all tiers to furnish a fully executed Exhibit form prior to Subcontractor's commencement of Work.

.19 Key Technical Submittal Definitions:

.1 *Unallowable Changes in Technical Submittals*

a. *Program Change:* Any project scope change that: (1) deviates from the required elements in the Proposal Documents, or (2) is inconsistent with the requirements expressed in the Contract Documents as issued. Examples of unallowable changes include substantial changes in project siting or adjacencies, reduction in usable space, limitations of planned utilization or limitations on future expansion.
b. *Performance Change:* Any change, revision, alteration or deviation from the Proposal Document requirements that would increase energy usage, reduce useful life, impair accessibility, increase maintainability, or affect life cycle as required.

.2 *Cost Realism (with respect to proposal pricing)*

a. *Cost Realism Analysis:* All pricing, including Unit Prices, Alternates and Compensable Delay rates must reflect a clear understanding of the project requirements with realistic prices representing probable cost. The University will perform a cost realism analysis using its best estimate of probable cost to determine if the proposed prices are fair and reasonable.
b. *Unbalanced Pricing:* Unbalanced pricing exists when, despite an acceptable total price, the price of one or more contract line items is significantly over or understated as indicated by the application of a cost realism analysis.

IF THE UNIVERSITY DETERMINES THAT ANY CONTRACT LINE ITEMS ARE NOT FAIR AND REASONABLE, OR ARE UNBALANCED, THE UNIVERSITY MAY REJECT THE OFFER IF THE RESULTING AWARD POSES AN UNACCEPTABLE RISK TO THE UNIVERSITY.

1.7 Stipend for Proposal Preparation

In an effort to help defray the cost for the development of this proposal submittal, the University will compensate each unsuccessful responsive Proposer the sum of ~~**Three Hundred Forty Thousand Dollars ($340,000)**~~ ***Three Hundred and Seventy Thousand Dollars ($370,000)*** for the preparation and submission of a responsive proposal. A responsive proposal is one that materially complies with the form and content requirements of the proposal documents. A Proposer will not be eligible for the stipend if it should withdraw from the solicitation process prior to the date that the Contract is issued by the University.

Unsuccessful Proposers may submit an invoice for the stipend at any time after contract award. Stipend invoice processing and payment will be on a net-30 day basis.

Proposer agrees that in exchange for the money paid by the University for proposal preparation all material prepared by Proposer in conjunction therewith, shall become the property of the University. The University shall have unlimited rights, for the benefit of the University, in all documentation prepared in conjunction with the proposal(s), including the right to use the design elements and details in the proposal on any University project at no additional cost to the University.

2. THE WORK

2.1 General Requirements

The University will award a contract to the successful Proposer for the production of Design Development Documents, Construction Documents and Construction.

The Design Builder provides services for Design Development and Construction document preparation for the project that may include, but not be limited to, architectural, structural, civil, fire protection, mechanical, electrical, and plumbing drawings and specifications; interdisciplinary construction coordination drawings (also defined as “Shop Drawings”); as well as appropriate calculations necessary to complete the project. Additionally, the Design Builder, its consultants, sub-consultants, or suppliers performs Work required to construct the project as described and specified in the RFP Documents.

All Construction Drawings and Shop Drawings prepared by Design Builder are to be complete and in sufficient detail for a comprehensive review by the University including Design and Construction Services, the State Fire Marshal, Division of State Architect (DSA) if applicable, and the University’s plan review service consultants. The drawings and engineering calculations shall include, but not be limited to: applicable plans, elevations, sections, schedules and details. These drawings shall comprehensively illustrate the complete and coordinated design of applicable systems. The Design Builder will be required to use an Architect registered in the State of California to prepare all Construction Drawings and shop drawings to the extent required by the Campus Master Specifications.

The Lump Sum Base Price Proposal must provide for the complete design and construction of the project, as identified in Division 01, General Requirements of the Proposal Documents, including any temporary or interim facilities required to maintain essential existing functions in operation throughout the construction period.

Details of the design services and construction responsibilities are described in greater detail in the Proposal Documents.

2.2 Architectural/Engineering Consultants

All architectural and engineering services to be provided by Proposer must be in accordance with the professional registration requirements of the State of California. Consultants listed must meet State licensing requirements.

2.3 University Controlled Insurance Program.

As further defined and limited by Article 11.1 of the General Conditions:

.1 The University shall pay for, obtain and maintain a University Controlled Insurance Program ("UCIP") providing workers' compensation and employer's liability insurance coverage, commercial general liability insurance coverage, and excess liability insurance coverage, to persons and entities enrolled in the UCIP, for Work performed on or at the Project site during Phase 3 ("UCIP Coverages"). A summary of the UCIP Coverages is included as an Exhibit to the Contract. The summary descriptions of the UCIP Coverages in the Exhibit, the General Conditions, or elsewhere, are not intended to be complete or to alter or amend any provision of the actual UCIP Coverages. In the event that any provision of this Article, the Contract Documents, or elsewhere, conflicts with the UCIP insurance policies, the provisions of the actual UCIP insurance policies shall govern. The University's provision of its standard UCIP insurance policies meets the University's obligation to provide UCIP insurance under the Contract and, in the event of a conflict between the provisions of the policies 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 the University's obligation to provide UCIP insurance.

.2 Parties eligible to participate in the UCIP (generally Design Builder and all Subcontractors of all tiers who perform Work at the Project Site during Phase 3, unless excluded under General Conditions Article 11.1.5) shall not include in their bids for any Work to be performed at the Project Site any projected or actual cost to provide the workers' compensation and employer's liability insurance, commercial general liability insurance, and excess liability insurance that is being provided under the UCIP. The University may reduce the Contract Sum by an amount commensurate with any projected or actual costs included contrary to the requirements of this Article 2.2.2.2.

.3 Notwithstanding the UCIP, Design Builder and all Subcontractors are required to provide insurance as set forth in General Conditions Article 11.1.10 (including certificates of insurance evidencing the required coverages).

.4 UCIP Workers' Compensation Insurance will be primary for all covered occurrences within the 50 United States, except that this insurance does not apply in any monopolistic workers' compensation state.

2.4 Subcontractors

.1 Prequalified Subcontractors:

Proposers shall require Prequalified Warm-Air Heating, Ventilating & Air Conditioning and Plumbing subcontractors hold a license that is current and in good standing permitting them to perform Work in their respective trade and in accordance with the requirements of the University's Prequalification Criteria.

The following subcontractors have been prequalified by the University and are eligible to perform work as first-tier subcontractors for their respective trades:

Prequalified Subcontractors

WARM-AIR HEATING, VENTILATING & AIR CONDITIONING SUBTRADE		
Company	**Address**	**Phone**
ACCO Engineered Systems	265 McCormick Ave., Costa Mesa, CA 92626	714-873-2335
A.O. Reed & Co.	4777 Ruffner Street, San Diego, CA 92111	858-565-4131
Critchfield Mechanical Inc. of Southern California	15391 Springdale Street, Huntington Beach, CA 92649	949-390-2900
Jackson & Blanc	7929 Arjons Drive, San Diego, CA 92126	858-831-7900
Southland Industries	12131 Western Avenue, Garden Grove, CA 92841	714-901-5800
University Mechanical & Engineering Contractors, Inc.	1290 No. Hancock St., Suite 100, Anaheim, CA 92807	714-632-2600

PLUMBING SUBTRADE		
Company	**Address**	**Phone**
A.O. Reed & Co.	4777 Ruffner Street, San Diego, CA 92111	858-565-4131
Pan Pacific Mechanical LLC	18250 Euclid Street, Fountain Valley, CA 92708	949-474-9170
Southland Industries	12131 Western Avenue, Garden Grove, CA 92841	714-901-5800
University Mechanical & Engineering Contractors, Inc.	1290 No. Hancock St., Suite 100, Anaheim, CA 92807	714-632-2600

Proposers are not permitted to use subcontractors that have not been prequalified for the prequalified trades. However, a Proposer may elect to self-perform any prequalified trade work for which it is duly licensed.

The University reserves the right to prequalify additional subcontractors or waive the prequalification requirement if the University determines the proposal process is being negatively impacted by an inadequate number of prequalified subcontractors in a given trade.

.2 **Electrical** Subcontractor Qualification

Proposers shall certify that the **Electrical** subcontractor has met the following minimum qualification criteria:

Electrical subcontractors must have:

(a) The proper license, and the license is current and active.

(b) A minimum of five classroom, student services or office building projects completed in the last ten years that meet the criteria listed below and demonstrate the Subcontractor's ability to successfully complete the project with respect to project size, cost, use, complexity, etc.:

- At least three (3) projects completed for INSTITUTIONS OF HIGHER LEARNING FOR PRIVATE OR PUBLIC AGENCIES for which the electrical construction cost was at least $4 million each.
- At least three (3) projects located in the STATE OF CALIFORNIA for which the electrical construction cost was at least $4 million each.
- At least two (2) projects which used DESIGN BUILD delivery for which the electrical construction cost was at least $4 million each.
- At least one (1) project that included a 200 SEAT LECTURE HALL for which the electrical construction cost was at least $4 million.

- At least one (1) project that included a minimum of 500 GENERAL ASSIGNMENT CLASSROOM STATIONS including a HIGH-QUALITY TEACHING CLASSROOM that included an acoustical panel partition system with STC-50 rating, video displays, sound system and power data infrastructure, etc., for which the electrical construction cost was at least $4 million.
- At least one (1) project that included a DINING AND RETAIL SPACE for which the electrical construction cost was at least $4 million.
- At least two (2) projects that were a minimum of THREE (3) STORIES IN HEIGHT for which the electrical construction cost was at least $4 million each.

(c) Project personnel have demonstrated adequate experience with similar projects.

(d) Have not had a claim filed against them of $20,000 or more in the last five (5) years by Owner or Surety.

(e) Have submitted information in their qualification statement and all attachments thereto that is true, accurate, complete and not misleading

.3 **Concrete** Subcontractor Qualification

Proposers shall certify that the **Concrete** subcontractor has met the following minimum qualification criteria:

Concrete subcontractors must have:

(f) The proper license, and the license is current and active.

(g) A minimum of five classroom, student services or office building projects completed in the last ten years that meet the criteria listed below and demonstrate the Subcontractor's ability to successfully complete the project with respect to project size, cost, use, complexity, etc.:

- At least three (3) projects completed for INSTITUTIONS OF HIGHER LEARNING FOR PRIVATE OR PUBLIC AGENCIES for which the concrete construction cost was at least $2 million each.
- At least three (3) projects located in the STATE OF CALIFORNIA for which the concrete construction cost was at least $2 million each.
- At least two (2) projects which used DESIGN BUILD delivery for which the concrete construction cost was at least $2 million each.
- At least one (1) project that included a 200 SEAT LECTURE HALL for which the concrete construction cost was at least $2 million.
- At least one (1) project that included a minimum of 500 GENERAL ASSIGNMENT CLASSROOM STATIONS including a HIGH-QUALITY TEACHING CLASSROOM that included an acoustical panel partition system with STC-50 rating, video displays, sound system and power data infrastructure, etc., for which the concrete construction cost was at least $2 million.
- At least one (1) project that included a DINING AND RETAIL SPACE for which the concrete construction cost was at least $2 million.
- At least two (2) projects that were a minimum of THREE (3) STORIES IN HEIGHT for which the concrete construction cost was at least $2 million each.

(h) Project personnel have demonstrated adequate experience with similar projects.

(i) Have not had a claim filed against them of $20,000 or more in the last five (5) years by Owner or Surety.

(j) Have submitted information in their qualification statement and all attachments thereto that is true, accurate, complete and not misleading.

.3 **Structural Steel** Subcontractor Qualification

Proposers shall certify that the **Structural Steel** subcontractor has met the following minimum qualification criteria:

Structural Steel subcontractors must have:

(a) A minimum of five classroom, student services or office building projects completed in the last ten years that meet the criteria listed below and demonstrate the Subcontractor's ability to successfully complete the project with respect to project size, cost, use, complexity, etc.:

- At least three (3) projects completed for INSTITUTIONS OF HIGHER LEARNING FOR PRIVATE OR PUBLIC AGENCIES for which the structural steel construction cost was at least $1.5 million each.
- At least three (3) projects located in the STATE OF CALIFORNIA for which the structural steel construction cost was at least $1.5 million each.
- At least two (2) projects which used DESIGN BUILD delivery for which the structural steel construction cost was at least $1.5 million each.
- At least one (1) project that included a 200 SEAT LECTURE HALL for which the structural steel construction cost was at least $1.5 million.
- At least one (1) project that included a minimum of 500 GENERAL ASSIGNMENT CLASSROOM STATIONS including a HIGH-QUALITY TEACHING CLASSROOM that included an acoustical panel partition system with STC-50 rating, video displays, sound system and power data infrastructure, etc., for which the structural steel construction cost was at least $1.5 million.
- At least one (1) project that included a DINING AND RETAIL SPACE for which the structural steel construction cost was at least $1.5 million.
- At least two (2) projects that were a minimum of THREE (3) STORIES IN HEIGHT for which the structural steel construction cost was at least $1.5 million each.

(b) Project personnel have demonstrated adequate experience with similar projects.

(c) Have not had a claim filed against them of $20,000 or more in the last five (5) years by Owner or Surety.

(d) Have submitted information in their qualification statement and all attachments thereto that is true, accurate, complete and not misleading.

.3 Subcontract Trades not Prequalified by the University.

.1 Proposer shall require that all subcontractors hold an appropriate license that is current and in good standing allowing them to perform Work for their respective trade.

.2 Proposer shall verify that subcontractor project personnel have demonstrated adequate experience with similar projects.

.3 The University maintains the right to request documentation to support Proposer's qualification and selection of subcontractors. Refer to the General Conditions, Article 5, regarding the University's right to make modifications to the Proposer's subcontractor selections.

2.5 Work Phases

The successful Proposer will be responsible for providing services for the development of the project including Design Development (Phase 1), Construction Documents (Phase 2), and Construction (Phase 3), refer to Specification Section 01000 – Summary of the General Requirements (Division 01).

The Notice to Proceed for Phases 2 and 3 is contingent upon funding approval from The University of California, Office of the President.

The contract time is as follows:

Phase 1	Phases 2 & 3	Total Contract Time
66 Calendar Days	**637 Calendar Days**	**703 Calendar Days**

.1 Design Development, Construction Documents, and Construction – Phases 1, 2 and 3:

The successful Proposer shall be responsible for the development of the project through Final Design Development of the project as identified in the Contract Documents. Design Builder shall be responsible for the development of 1) final Design Development documents incorporating the Specifications, Addenda, Design Builder Questions and Answers, any changes to the work proposed by the Design Builder and accepted by the University at the time of proposal; 2) Construction Documents, and 3) Construction of the project as identified in the Design Build Contract. **THE PROJECT SHALL BE COMPLETED ON OR BEFORE ~~May 1, 2021.~~ *July 26, 2021.***

.2 The total contract time includes **35** days for rain delays, refer to Supplementary Conditions.

3. CONTRACT SUM

The Total Contract Sum shall be the Lump Sum Base Price proposed for all work associated with Design Development, Construction Documents, Construction, and selected Alternates, if any.

.1 University has established the fixed fee for the work associated with the Design Development of the project as **One Million One Hundred Thousand Dollars ($1,100,000)**. This fee shall be included in the Lump Sum Base Price proposed by the successful Proposer.

.2 Liquidated Damages

a. Liquidated damages will only apply to Phase 3. See Article 6 of the Agreement for detailed requirements.

b. Liquidated damages daily rate for Phase 3: **$2,000** per calendar day, on or before substantial completion.

c. Liquidated damages daily rate for Phase 3: **$0** per calendar day, after substantial completion.

4. MANDATORY PROPOSAL REQUIREMENTS *(THE ABSENCE OF WHICH RENDERS THE PROPOSAL NON-RESPONSIVE)*

A responsive proposal is one that materially complies with the form and content requirements of the proposal documents. Mandatory proposal requirements include, but are not limited to:

.1 Attendance at the Mandatory Pre-Proposal Conference and project site visit. University requires all Pre-Proposal Conference attendees to sign an attendance list, used as verification of attendance.

.2 Proper proposal delivery method.

.3 Timely submittals at the designated location.

.4 At the time of proposal opening and throughout the duration of the project, Proposer and all Subcontractors shall hold the appropriate current licenses issued by the State of California Contractor's State License Board. If Proposer is a Joint Venture, the Proposer shall hold the applicable joint venture license in which each member of the joint venture shall also have the appropriate license prior to contract award. The State of California Business and Professions Code, Division 3, Chapter 9, known as the "Contractor's License Law," establishes licensing requirements for contractors.

.5 Proposer and first-tier subcontractors must have the required bonding and insurance including the required professional liability and contractor's pollution liability insurance. Refer to Article 11 of the General Conditions and the Supplementary Conditions for project specific insurance requirements.

.6 Price Proposal and Bid Bond must be submitted on the University's forms provided in the RFP.

.7 Price Proposal Form must be signed and dated by the Proposer's Representative legally authorized to bind Proposer to a contract and include all applicable attachments.

.8 The sum of the Lump Sum Base Price Proposal (including all associated design fees) must be within the Maximum Acceptance Cost for Best and Final Offer submittals (BAFO), if requested.

.9 Bid Security in the sufficient amount as described in the Lump Sum Base Price Proposal document.

5. PROPOSAL MODIFICATIONS OR WITHDRAWALS

Prior to the Proposal Deadline, a submitted proposal may be modified or withdrawn by notice to the Facility receiving proposals at the location designated for receipt of proposals. Such notice shall be in writing over the signature of Proposer, delivered by hand, facsimile or PDF email attachment. If notice is by facsimile or email, written confirmation over the signature of Proposer shall be mailed and postmarked on or before the Proposal Deadline. A change made shall not reveal the amount of the original proposal.

Modified or withdrawn proposals may be resubmitted up to the Proposal Deadline, provided that it then fully complies with the Proposal Requirements.

Proposals may not be modified, withdrawn, or canceled for <u>90 Days</u> following the Proposal Deadline.

6. PROPOSAL (BID) PROTEST

.1 Any Proposer, person, or entity may file a Proposal (Bid) protest. The protest shall specify the reasons and facts upon which the protest is based and shall be in writing and received by the Facility not later than 5:00 pm on the 3rd business days after a written notice of the determination of the apparent best value proposal has been issued by the University.

.2 If a Bid is rejected by the Facility, and such rejection is not in response to a Bid protest, any Proposer, person or entity may dispute that rejection by filing a Bid protest (limited to the rejection) in writing and received by the Facility not later than 5:00 pm on the 3rd business day following the rejected Proposer's receipt of the notice of rejection.

.3 For the purpose of computing any time period in this section, the date of receipt of any notice shall be the date on which the intended recipient of such notice actually received it. Delivery of any notice may be by any means, with verbal or written confirmation of receipt by the intended recipient.

.4 The facility will investigate the basis for the Bid protest and analyze the facts. Facility will notify Proposer whose Bid is the subject of the Bid protest of evidence presented in the Bid protest and evidence found as a result of the investigation, and, if deemed appropriate, afford Proposer an opportunity to rebut such evidence, and permit Proposer to present evidence that it should be allowed to perform the Work. If deemed appropriate by Facility, an informal hearing will be held. Facility will issue a written decision within 15 days following receipt of the Bid protest, unless factors beyond Facility's reasonable control prevent such a resolution, in which event such decision will be issued as expeditiously as circumstances reasonably permit. The decision will state the reasons for the action taken by Facility. A written copy of the decision will be furnished to the protestor, the Proposer whose Bid is the subject of the Bid protest, and all Proposers affected by the decision. As used in this Section, a Proposer is affected by the decision on a Bid protest if a decision on the protest could have resulted in the Proposer not being the best value, responsible and responsive Proposer for the Contract. A written copy of the Facility's decision must be received by the protester, the Proposer whose is the subject of the Bid protest, and all Proposers affected by the decision no later than 3 business days prior to award of the contract**.**

.5 Notwithstanding the provisions of this Section, at the election of Facility, a Bid protest may be referred directly to University's Construction Review Board without prior investigation and review by Facility. The Chair of the Construction Review Board will either decide the Bid protest or appoint a Hearing Officer. If a Hearing Officer is appointed, the Hearing Officer will review the Bid protest in accordance with the provisions of this Section.

.6 The Proposer whose Bid is the subject of the protest, all Proposers affected by the Facility's decision on the protest, and the protestor have the right to appeal to the Construction Review Board if not satisfied with Facility's decision. The appeal must be in writing and shall specify the decision being appealed and all the facts and circumstances relied upon in support of the appeal. The appeal must be received by the Chair, Construction Review Board, not later than 5:00 pm on the 3rd business day following appellant's receipt of the written decision of Facility, at the following address:

Chair, Construction Review Board
Attention: Director, Construction Services
University of California Office of the President
1111 Franklin Street, 6th Floor
Oakland, CA 94607-5200

And

constructionreviewboard@ucop.edu

.7 A copy of the appeal shall be sent to all parties involved in the Bid protest and to Facility. An appeal received after close of business is considered received as of the next business day. If the final date for receipt of an appeal falls on a Saturday, Sunday, or University holiday, the appeal will be considered timely only if received by close of business on the following business day.

.8 The Chair of the Construction Review Board will review the Facility's decision and the appeal, and issue a written decision, or if appropriate, appoint a Hearing Officer to conduct a hearing and issue a written decision. If a hearing is held, the hearing shall be held not later than the 10th day following the appointment of the Hearing Officer unless the Hearing Officer for good cause determines otherwise. The written decision of the Chair or Hearing Officer will state the basis of the decision, and the decision will be final and not subject to any further appeal to University. The Chair or Hearing Officer may consult with the University's Office of the General Counsel on the decision as

to legal form. The University will complete its internal Bid protest procedures before award of the Contract.

7. CONFLICTS

.1 The intent of this RFP is to provide an overview of the proposal process, the subsequent award, and the work required of the successful Proposer. The provisions herein are a summary only and the Proposers should in all cases review the provisions of the Design Build Contract documents for the specific requirements.

.2 If the Proposer believes there are conflicts between this document and any other Contract Documents, the Proposer must immediately, and in writing, bring it to the attention of the University and request written clarification.

END OF REQUEST FOR PROPOSAL SECTION

TECHNICAL PROPOSAL

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TECHNICAL PROPOSAL SUBMITTAL CHECKLIST

☐ Submittal in a separate sealed container identifies the: Project Name & Number, Submittal Date, Technical Proposal Submittal, and Identification Number. Submittal is properly addressed and delivered.

☐ One (1) original and ten (10) copies of the written portion of the TECHNICAL PROPOSAL. Include:

- ☐ Electronic copy in PDF format on a Memory Stick

☐ One (1) set of up to no more than fifteen (15) PRESENTATION BOARDS, not larger than 30” x 42”. Include:

- ☐ Copies of boards within the technical proposal binder as 11" x 17" sheets
- ☐ Electronic copy in PDF format on a Memory Stick

☐ One (1) bound set of the SCHEMATIC DESIGN SUBMITTAL shall be submitted not smaller than 30” x 42”. Include:

- ☐ Within the technical proposal binder as 11” x 17” sheets
- ☐ Electronic copy in PDF format on a Memory Stick

☐ One (1) study model

1. TECHNICAL PROPOSAL SUBMITTAL

Proposers shall submit a Technical Proposal conforming to the format outlined herein and shall provide all requested information. **FAILURE TO COMPLY WITH THE REQUIRED FORMAT AND/OR PROVIDE THE INFORMATION REQUESTED MAY RESULT IN A NON-RESPONSIVE SUBMITTAL**.

Technical Proposals may be comprised of design narratives, drawings (no larger than 30" x 42"), presentation boards, study model to illustrate integration with existing buildings and site (no larger than 36"L x 36"W x 24"H), outline specifications, preliminary sizing calculations, catalog cut sheets, and other information as required and appropriate. **ALL REFERENCES THAT MAY IDENTIFY THE DESIGN BUILD TEAM SHALL BE REMOVED.**

1.1 Technical Proposal Delivery

.1 Proposal Delivery Date:

Refer to the Proposal Schedule for the Technical Proposal Submittal due date and time.

.2 Marking and Identification of Submittals

Proposer shall clearly mark the outside of each package to identify the following:

Project Name: **Student Success Center**
Project Number: 950512
Marked: "Technical Proposal Submittal"
Date of Submittal:
Design Builder Identification Number:

If the Proposals are sent by mail, courier or delivery service, the sealed package shall be marked with the notation "SEALED PROPOSAL ENCLOSED" on the face thereof.

.3 Designated Location for Receipt of Technical Proposals

Proposer shall assume full responsibility for timely delivery of proposals. Proposals shall be properly addressed to be received at:

University of California, Riverside
Planning, Design & Construction Department – **BID BOX**
1223 University Ave, Suite 240
Riverside, CA 92521
Attention Lynn Javier

<u>LATE PROPOSALS:</u> ANY PROPOSAL, MODIFICATION, OR REVISION, THAT IS RECEIVED AT THE DESIGNATED UCR PLANNING, DESIGN & CONSTRUCTION LOCATION AFTER THE EXACT TIME SPECIFIED FOR RECEIPT OF PROPOSALS IS "LATE" AND WILL NOT BE CONSIDERED UNLESS IT WAS THE ONLY PROPOSAL RECEIVED. LATE PROPOSALS AND MODIFICATIONS THAT ARE NOT CONSIDERED WILL BE HELD UNOPENED, UNLESS OPENED FOR IDENTIFICATION, AND THEN RETURNED TO THE PROPOSER AFTER AWARD.

.4 Technical Proposal Delivery Methods (*See marking instructions in 1.1.2 above*)

a. Mail
b. Courier (Hand Delivery)
c. Delivery service

.5 Unacceptable Delivery Methods

a. Oral
b. Telephonic

c. Facsimile
d. Email or other electronic means

1.2 Technical Proposal Submittal Instructions

.1 Required Copies

One (1) original and ten (10) copies of the written portion of the Technical Proposal shall be submitted in sealed boxes, envelopes, or other appropriate sealed containers. Include **one (1) electronic copy** of the written portion of the Technical Proposal and presentation boards **(in PDF format).**

.2 Technical Proposal Format

All Technical Proposals shall be submitted in 8.5" x 11" or 11" x 17" 3-ring or spiral bound binders. Items not physically suitable for inclusion may be submitted separately with a clear proposal reference to the separately furnished items.

ALL NARRATIVES WITHIN THE TECHNICAL PROPOSAL SHALL BE TYPED IN TIMES NEW ROMAN OR A COMPARABLE FONT THAT IS EASY TO READ UTILIZING 11 POINT FONT OR LARGER.

.3 Design Builder Identification Number

Prior to the Technical Proposal submittal, the University will assign a Design Builder Identification Number to each Proposer. The Design Builder Identification Number shall be used by each Proposer to identify its Technical Proposal submittal.

Blind Evaluation: To provide an impartial review of each Proposer's Technical Proposal submittal, the Technical Evaluation Committee will conduct a Blind Evaluation. Therefore, **the entire contents of the Technical Proposal submittal shall have all references to the Proposer's identity removed**. All references that may identify the Design Build team including, but not limited to, firm or team names, staff identification, consultant identification, addresses, telephone numbers, logos, letterhead, stationary, binders, or business cards or specifics about the firm or its size and history shall be removed.

1.3 Presentation Boards Submittal Requirements

.1 Submit **one (1)** set of up to, but **no more than fifteen (15)** presentation boards, not larger than 30" x 42" with the following:

a. Construction Site Logistics – Indicate staging, colocation, tree protection, fencing, parking, fire access, vehicular and pedestrian access/patterns, pedestrian safety accommodations, acoustic barriers and camera locations during all phases of construction.
b. Vicinity Plan - Color rendered showing proposed building in relation adjacent campus spaces.
c. Site Plan – Color rendered indicating landscape/hardscape around building and showing:
    i. Landscape features shall include trees, shrubs, ground covers, special fill areas and lawns, if any.
    ii. Hardscape features shall include roadway, service and loading dock parking, plazas, retaining and landscape walls, and site lighting. Include access/patterns for ADA, pedestrian circulation, bike paths, public transportation, emergency vehicle access, and fire hydrants.
    iii. Include all above-grade utilities, if any.
d. Perspectives:
    i. One (1) color rendered perspective demonstrating the building's contextual relationship with the Carillon mall (facing east toward the bell tower- from Hinderaker-at pedestrian line of sight)

ii. One (1) color rendered perspective demonstrating the building's contextual relationship with the Carillon mall (facing west toward Hinderaker - From Student Services Center at pedestrian line of sight.)

iii. Two (2) color rendered perspectives of building exterior to demonstrate the relationship between surrounding buildings.

iv. One (1) color rendered perspective of main entrance lobby interior and **interaction spaces (atria etc).**

v. Two (2) color rendered perspective to demonstrate key academic program spaces.

e. Floor Plans, Sections and Elevations – Color rendered plans indicating program elements such as circulation, spatial relationships.

f. Materials – Provide samples of actual interior and exterior materials.

.2 Include copies of boards not smaller than ½ size scale drawings within the technical proposal binder **AND ELECTRONICALLY ON A MEMORY STICK (in PDF format).**

1.4 Study Model

Each Proposer shall provide a study model of their proposed project design with the content and format as described:

.1 Study Model

a. Approximate Size = 36"L x 36"W x 24"H
b. Model to illustrate integration and relationships with existing buildings with spaces. All buildings and spaces within this area shall be included.

1.5 Technical Proposal Scoring

The Technical Proposal will be scored as follows:

Description	Points Available
Executive Summary	0
TAB 1 – Architectural Design	65
TAB 2 – Program Functionality	30
TAB 3 – Project Program Compliance	Pass/Fail
TAB 4 – Site, Civil, and Circulation Design	25
TAB 5 – Mechanical, Electrical, and Plumbing Systems Design	30
TAB 6 – Sustainability Features Incorporated into Design and LEED ~~Gold~~ ***Silver*** Scorecard	20
TAB 7 – Structural Design	Pass/Fail
TAB 8 – Enhancements and Added Value	40
TAB 9 - Alternates	10
TAB 10 – Project Schedule & Work Plan	15
TAB 11 – Mitigation of Subsurface Conditions and Negative Construction Impacts	10
TAB 12 – Quality Control Plan	10
TAB 13 – Deviations from Request for Proposal	Pass/Fail
Design Builder Prequalification Level II Interview	10
Oral Presentation	15
Subtotal:	**280**
Best and Final Offer (if necessary)	20
Total:	**300**

2. TECHNICAL PROPOSAL SUBMITTAL

Each Proposer shall provide the following information in the content and format as described. Proposal shall be indexed with tabs numbered and labeled in bold type denoting the sections. Narratives may incorporate graphic information and/or presentation boards.

EXECUTIVE SUMMARY — *0 POINTS*

Suggested Text Length: 1 – 2 pages

The Executive Summary should stand on its own to convey the primary design, program and technical elements of your proposal that clearly and collectively demonstrate why your project approach represents the overall **best value** to the University.

TAB 1 — *65 POINTS*

Suggested Text Length: 1 – 7 pages

ARCHITECTURAL DESIGN

Proposer shall:

A. Identify the design context and philosophical design intent.

B. Demonstrate how the proposed design:

1. Achieves the architectural goals outlined in the Basis of Design and is consistent with the *UC Riverside Physical Design Framework.*
2. Achieves or facilitates the desired space, performance and outcomes referenced in the basis of design.
3. Provides building spaces that fosters interaction; including spaces for collaboration and opportunities for casual conversation.
4. Incorporates the following elements:
   i. Architectural themes and materials consistent with the contextual design principles of the campus.
   ii. A clear and identifiable building entrance with a usable entry/lobby space to create a distinctive presence for student activities.
   iii. The use of architectural elements and space to create way finding in and around the building without complete dependence on signage.
   iv. The use of architectural planning to create integrated accessways and wayfinding cues with the building's surroundings.
   v. Building siting and design that will integrate with the design of the adjacent buildings and campus surroundings.
   vi. Incorporate architectural and design ingenuity that creates unique spaces for instruction, scholarly activities and learning.
   vii. Incorporate indoor- outdoor connections that provide human comfort for the Riverside climate conditions and add value to the student experience.
   viii. The use of natural light for building occupant comfort and connection with the environment.
   ix. Functional and inviting exterior public spaces, plazas, courtyards, (solar orientation, wind, and engagement with adjacent buildings.
   x. Development of an architectural vocabulary that will unite the existing elements of the Carillon Mall & the Arts Mall and the campus.
   xi. Durability and extended deferred maintenance with quality construction.
   xii. Building facades that are an expression of basic structure with evident organizing principles and a lack of gratuitous ornament.
   xiii. Other architectural design and aesthetic considerations.

TAB 2	***30 POINTS***

Suggested Text Length: 1 – 5 pages

PROGRAM FUNCTIONALITY

Proposer shall demonstrate how space and functional configurations, adjacencies, and room layouts:

A. Enable the school to create new educational pathways and partnerships, demonstrate new teaching technologies, and adapt for evolving pedagogies.

B. Foster an environment of scholarly interaction and peer to peer learning that supports small group interactions and informal interactions between students and faculty.

C. Allow for an environment that provides a flexible framework for future programmatic adjustments.

D. Facilitate high quality lifelong learning for the changing professional and meets the needs of local and

international students.

E. Optimize building circulation and paths of travel to minimize congestion between lecture hall and classroom usage.

F. Enhance considerations for acoustical, audio/visual, and other technical challenges.

TAB 3	***PASS/FAIL***

Suggested Text Length: 1 page (excluding matrix)

PROJECT PROGRAM COMPLIANCE

Proposer shall demonstrate compliance with the *Student Success Center Program* by submitting the required Basis of Design Compliance Matrix and specifying the assignable square footage for each space and unit.

A REDUCTION GREATER THAN 5% OF THE ASSIGNABLE SQUARE FOOTAGE FOR EACH SPACE WILL RENDER THE PROPOSAL NON-RESPONSIVE

TAB 4	***25 POINTS***

Suggested Text Length: 1 – 5 pages

SITE, CIVIL AND CIRCULATION DESIGN

Proposer shall:

A. Demonstrate how the proposed site, civil and circulation designs are responsive to the Project Site Analysis and consistent with the Site Plan Concept.

B. Demonstrate that the proposed **site design** includes:

1. Innovative and cost-effective solutions to design and construct the site, building, and systems.
2. Optimum use of outdoor spaces to take advantage of the southern California climate.
3. Enhance campus connections with adjacent buildings, campus malls, adjacent courts & open spaces and campus surroundings.
4. Accommodates loading and back-of-house access for auxiliary facilities that are screened from view with minimal visual impact to adjacent public walkways and spaces.
5. Promotes an environment of health and well-being for the campus community.
6. Creates a collegial and professional interaction space for faculty and students.
7. Other design and aesthetic considerations.

C. Demonstrate that the proposed **civil design** includes:

1. Innovative use of the existing topography, drainage, and soil.
2. An efficient site utility design that includes considerations to mitigate negative impacts on existing utilities, campus grounds, adjacent buildings, and communities.

D. Demonstrate that the proposed **circulation design** is consistent with the UC Riverside Physical Design Framework and includes:

1. Efficient interface with existing campus circulation pathways (pedestrian and bicycle), vehicular access, building services and emergency access
2. Compliance with all accessibility codes and other applicable documents referenced in the RFP.

TAB 5	***30 POINTS***

Suggested Text Length: 1 – 3 pages

MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS DESIGN

Proposer shall include a description of the proposed mechanical, electrical, and plumbing designs and identify their features and system advantages; and demonstrate that they will:

A. Meet or exceed the requirements of the Project Planning Guidelines and Basis of Design, Specifications, campus energy goals, and project planning guidelines and campus Building Energy Efficiency Standards.

B. Provide durability, ease of maintenance, aesthetic, and energy efficiency/conservation considerations.

C. Support the acoustic and sustainable requirements of the project.

D. Provide future flexibility of systems as the building program requirements and needs changes.

TAB 6	***20 POINTS***

Suggested Text Length: 1 – 5 pages (excluding scorecard)

SUSTAINABILITY FEATURES INCORPORATED INTO DESIGN AND LEED ~~GOLD~~ SILVER SCORECARD

Proposer shall:

A. Demonstrate how the proposed design incorporates sustainability features outlined in the RFP, including:
   1. Reduction of the carbon footprint.
   2. Achievement of LEED ~~Gold~~ ***Silver*** certification or higher.
   3. Alternative means and methods to provide the required building(s) energy performance.

B. Submit LEED scorecards indicating which credits would be pursued for LEED ~~Gold~~ ***Silver***, or higher certification.

TAB 7	***PASS/FAIL***

Suggested Text Length: 1 – 4 pages

STRUCTURAL DESIGN

Proposer shall:

A. Include a description of the proposed structural design and identify proposed materials and system advantages.

B. Demonstrate that the proposed structural design:
   1. Will meet or exceed the requirements of the RFP requirements, including, but not limited to the California Building Code and University of California Seismic Safety Policy.
   2. Includes considerations for wind, vibration, and deflection control.

TAB 8	***40 POINTS***

Suggested Text Length: 1 – 2 pages *(excluding matrix)*

ENHANCEMENTS AND ADDED VALUE

Proposer shall:

A. Submit the *Enhancements and Added Value Matrix.*
   1. List enhancements and added value with appropriate descriptions. Enhancements provide the University with added value to the base bid requirements.

2. Provides the desired space, performance and outcomes referenced in the basis of design.

B. Demonstrate that the proposed design, materials, and construction quality exceed the requirements of the base bid.

ENHANCEMENTS AND ADDED VALUE	
ITEMIZED LIST OF ENHANCEMENTS	**DESCRIPTION**
ADDITIONAL INSTRUCTIONAL SPACE	Provide any additional space that meet the requirements for instructional space or scholarly activity space. The additional space provided to meet the program and performance criteria; set forth in the space program and room criteria.
ENHANCED OPEN AREAS AND STUDY SEATS	Enhanced open areas throughout the building for scholarly activity and classroom support and an additional 80-student study seats through increased quantities of indoor and outdoor open break-out study spaces throughout the building
ADDITIONAL LECTURE HALL SEATS	Provide an additional 30-lecture hall seats by increasing the number of seats in the lecture halls.

TAB 9 — *10 POINTS*

Suggested Text Length: 1 – 2 pages *(excluding matrix)*

ALTERNATES

Proposer shall:

A. Submit the *Alternates.*

1. Indicate whether project Alternates are included in the base bid *at no additional cost*.
2. Provides the desired space, performance and outcomes referenced in the basis of design.

B. Demonstrate that the proposed design, materials, and construction quality exceed the requirements of the base bid.

PROJECT ALTERNATES MATRIX[1] (TAB 9)		
ALTERNATES		
ALTERNATE NO.	**ALTERNATE DESCRIPTION**	**INCLUDED IN BASE BID?**
1	Site Development: Student Services Court	YES ☐ NO ☐
2	Site Development: Athletics/ Dance Court	YES ☐ NO ☐
3	**LEED Gold Certification**	YES ☐ NO ☐
4	***Motorized Blackout shades in the Group Meeting Rooms and Large Classroom***	YES ☐ NO ☐

TAB 10 — *15 POINTS*

Suggested Text Length: 1 – 2 pages *(excluding schedule)*

PROJECT SCHEDULE & WORK PLAN

Proposer shall:

A. Submit a **Work Plan** demonstrating how it intends to staff and manage tasks and resources necessary

[1] Suggested Format

to accomplish the work, commencing with the Notice to Proceed and ending with the completion of Construction by ~~May 1, 2021~~ ***July 26, 2021***.

1. Identify the project approach and address:
   i. Key elements of project management and administration (staffing plan).
   ii. Strategies for addressing and overcoming potential project constraints and challenges associated with each project phase including mobilization, parking, sequencing of activities with other concurrent campus projects and the university calendar.
   iii. Strategy to minimize construction impact on the surrounding site. Sequence of work with minimal interruption for the surrounding community, specifically the occupied facilities immediately adjacent to the site.
   iv. Maintaining security of spaces during construction.
   v. Adopting safety precautions throughout the project duration for building and construction staff safety.
   vi. Adopting a safety strategy and precautions for pedestrian traffic to the occupied surrounding buildings.
   vii. Environmental mitigation measures around laydown area.

B. Submit a **Preliminary Schedule** that is consistent with the Work Plan and identifies:

1. The approach to the fast-track design and construction of the project
2. Significant contract activities including shoulder to shoulder sessions, and procurement activities and durations, including the activities required to complete the Construction Documents and obtain required approvals
3. The division of work by construction drawing packages (limited to no more than six (6) Construction Document Packages) with a breakdown of drawings and specification sections to be included in each package. Specify how the design package strategy contributes to successful schedule implementation.

TAB 11	***10 POINTS***

Suggested Text Length: 1 – 2 pages

MITIGATION OF SUBSURFACE CONDITIONS AND NEGATIVE CONSTRUCTION IMPACTS

Proposer shall demonstrate that it will minimize or eliminate the risk of increased costs or adjustments to the Contract Time with consideration of the following:

A. Excavation and grading requirements including proposed shoring and monitoring of existing structures.

B. Underground utility identification, relocation, and/or removal.

C. Existing groundwater conditions. Description includes discussion of potential mitigation of shallow groundwater conditions including the need for dewatering and the potential use of excavated soils as backfill.

D. Existing geotechnical conditions including the presence of groundwater, rock, or fill.

E. Subsurface contamination.

F. Mitigation of construction noise, vibration, dust, etc. affecting surrounding community.

G. Minimize or mitigate site impacts (access and visual impacts) to surrounding campus, and to occupied adjacent facilities.

TAB 12	*10 POINTS*

Suggested Text Length: 1 – 2 pages

QUALITY CONTROL PLAN

The Proposer shall:

A. Demonstrate compliance with Division 01 General Requirements, Section 01 4000, Quality Requirements and include descriptions of:

1. The organizational and reporting relationships of the project team members responsible for quality control. Submit a table indicating quality control resource loading through completion of the project.
2. Quality control procedures during design and construction document development (include internal QC and CDA processes) to assure compliance with program requirements and avoid scope expansion.
3. Quality control procedures for mock-ups used by the University to make final materials selections and establish the quality of construction that will be incorporated into the work.

B. Submit a Tracking and Compliance Log that includes the incorporation of University comments during the review and approval process.

TAB 13	*PASS/FAIL*

DEVIATIONS FROM REQUEST FOR PROPOSAL

Proposers shall submit the Deviations Matrix, (located at the end of this document), to summarize each instance where the Lump Sum Base Price Proposal, or Alternate Pricing deviates from the requirements established in the Proposal Documents. Absent an appropriate reference in the Deviations Matrix, the University will assume that the Design Builder will comply with all the specific requirements of the Proposal Documents during both the design and construction phases of the project.

The Lump Sum Base Price Proposal and Alternate Prices shall include the cost of all proposed deviations from the Proposal Documents. Deviations from the Proposal Documents will not be allowed without prior written approval from Design and Construction Services. After the Award of Contract, proposed product substitutions shall be made according to Specification Section 01 6000, *Product Requirements*.

DEVIATIONS MATRIX[2] (TAB 13)

(Deviations from Master Specifications and/or RFP)

SPECIFICATION SECTION/CAMPUS STANDARDS AND BASIS OF DESIGN		
ITEM DESCRIPTION	DESCRIPTIVE DETAILS	IMPACT OR EFFECT ON PROJECT DESIGN

[2] Suggested format

DESIGN BUILDER PREQUALIFICATION - LEVEL II INTERVIEW — *10 POINTS*

University will add the Design Builder Prequalification - Level II Interview score to the Technical Proposal Score.

ORAL PRESENTATION — *15 POINTS*

Proposer shall make an oral presentation of its proposal following the University's evaluation of Technical Proposals and prior to the public opening of the Lump Sum Base Price Proposals. However, if at the conclusion of the evaluation of Technical Proposals, the University determines that requesting a BAFO would be in its best interests, the University will defer the oral presentation and proceed directly to a BAFO process. The University may elect to request written proposal clarifications from the Proposers prior to holding BAFO discussions.

During the oral presentation, Proposers will be allowed 30 minutes to present the most important aspects of their proposals and 1 hour and 30 minutes to answer questions and provide clarifications requested by the Technical Evaluation Committee. Discussions may cover any of the requirements described in the RFP.

Proposed cost shall not be discussed during the oral presentation. The University's summation of Proposal Clarifications shall be accepted by signature of selected Proposer and incorporated into their Proposal by reference.

BEST AND FINAL OFFER (BAFO) — *20 POINTS*

The University may determine that clarifications to the initial proposals and additional discussions with the Proposers are necessary to obtain proposals that are responsive with respect to program and cost requirements, and to optimize the ability to obtain best value for this project. In this case, the University will conduct discussions with each Proposer following the technical evaluation with the intent of allowing the Proposers to submit a BAFO. The University will request BAFO submittals from the Proposers to clarify and document understandings reached during discussions. Instructions for the BAFO submittals including the deadline, format, and content requirements will be issued in writing by the University.

The BAFO submittal will consist of two components:

A. A revised technical proposal or technical proposal supplement covering all additions, changes, or clarifications to the original technical submittal. Revised drawings, presentation boards and other supplements may also be submitted as appropriate and in accordance with the University's written instructions for the BAFO submittal.

B. A revised Lump Sum Base Price Proposal, Lump Sum Base Price Proposal Spreadsheet, and a new Proposal Security, in accordance with the University's written instructions for the BAFO submittal.

3. SCHEMATIC DESIGN SUBMITTAL REQUIREMENTS

The following drawings shall be submitted; 1) as **one (1)** bound set not smaller than 30" x 42", 2) within the technical proposal binder as 11" x 17" sheets, and 3) **ELECTRONICALLY ON A Memory Stick (in PDF format):**

SHEET		SCALE
.1	Demolition Plan	None
.2	Grading and Drainage Plan	None
.3	Site Plan	1" = 20'
.4	Landscape and Hardscape Construction Plan	1" = 20'
.5	Conceptual Structural Plan	1/16" = 1'
.6	Architectural	
	1) Code Information Plans (All Levels and Roof)	1/16" = 1'
	2) Floor Plans (All Levels and Roof)	1/8" = 1'
	3) Roof Plan	1/8" = 1'
	4) Conceptual Reflected Ceiling Plans	1/16" = 1'
	5) Exterior Elevations	1/8" = 1'
	6) Building Sections	1/8" = 1'
	7) Enlarged Partial Exterior Building Elevations	1/4" = 1'
	8) Typical Exterior Details	1/2" = 1'
.7	Mechanical Conceptual Floor Plans and Roof Plans	1/8" = 1'
.8	Electrical Conceptual Floor Plans, Roof Plans, and Single Line Diagrams	1/8" = 1'

.1 Demolition Plans:

a. Sequence for demolition; including locating, identifying, disconnecting, sealing / capping / safeing-off, and protecting utility services.

b. Locations of temporary dust and noise control partitions and means of egress relative to adjacent communities.

c. Path of hazardous and non-hazardous waste removal.

.2 Grading and Drainage Plan:

Storm Water Pollution Prevention Plan (SWPPP) compliance and other environmental mitigation measures, including:

a. Locations of drain inlets used to capture sheet flows. Include inlet protection measures, if required.

b. Finished ground contours and spot grade elevations as required for ridge lines, flow lines, or grade breaks.

c. Best Management Practices required for limiting erosion of graded slopes and controlling sediment entering storm drain inlets. Show gravel bags, straw waddles, silt fencing, or other devices, if any.

.3 Site Plan

Illustrate relationships with existing site elements and buildings, and include:

a. Location of proposed building and pedestrian bridge in relation to adjacent buildings

b. Location and descriptions of proposed hardscape design elements in relation to existing facilities and site amenities

c. Location of proposed surface parking, roads, service areas, walks, plaza(s), tree groupings, landscape screening, retaining walls, and other various site/building features, including appropriate descriptions

d. Building(s) and site (ADA) accessibility

e. Location of existing and proposed site lighting

f. Location of existing and proposed site electrical equipment

.4 Landscape and Hardscape Construction Plan

Show all new and existing landscape and hardscape features, including plaza and/or courtyard elements:

a. Landscape features shall include trees, tree-protection, shrubs, planters, ground covers, special fill areas, and other amenities, if any.

b. Hardscape features shall include paving; ramps; retaining, landscape, and seat walls; stairs; and site/integral lighting. Include access/patterns for ADA, pedestrian circulation, bike paths, emergency vehicle access, fire hydrants, if any.

.5 Conceptual Structural Plan

All levels, typical floor plan shall include:

a. Conceptual foundation plans illustrating structural design concept

b. Dimensioned structural grid

c. Conceptual Structural Floor/Roof Framing Plan illustrating structural design concept:

1) Dimensioned and structural grid

2) Concept and location of lateral bracing system

3) Location and size of structural columns.

.6 Architectural (All Levels and Roof)

1) Code Information Plans to include the following:

a. Identification of fire and smoke rated walls and openings

b. Identification of all exits

c. Identification of all room names

d. Identification, location and fire rating of building(s) or occupancy separations

e. Identification and limits of building(s) occupancies

f. Description of summarized code review, including exit calculations

2) Floor Plans shall include:

a. Dimensioned structural grid

b. Exterior walls, doors, frames, and openings

c. Interior walls, doors, frames, and openings

d. Room names

e. Applicable equipment and furnishings

f. Fixture locations
g. Appropriate descriptions

3) Roof Plan(s) shall include:
   a. Dimensioned structural grid
   b. Screen walls, roof system and openings
   c. Roof top equipment
   d. Appropriate descriptions
4) Conceptual Reflected Ceiling Plans shall include:
   a. Exterior and interior walls, doors, and openings
   b. Ceiling height designations
   c. Room names
   d. Reflected ceiling grids
   e. Interior and exterior soffits and bulkheads
   f. Light fixtures
   g. Item and material designations
   h. Ceiling mounted equipment
   i. Appropriate descriptions
5) Architectural Exterior Elevations
   a. All major building elevations
   b. Structural grid designations
   c. Vertical floor elevation designations
   d. perspectives
   e. Material designations
   f. Include appropriate descriptions
6) Architectural Building Sections
   a. Longitudinal (Minimum 2)
   b. Latitudinal (Minimum 2)
7) Architectural Enlarged Partial Exterior Building Elevations (All Elevations)
   a. Building(s) entrances
   b. Structural grid designations
   c. Vertical floor elevation designations
   d. Material designations
   e. Include appropriate descriptions
8) Architectural Typical Exterior Details (All Exterior Details)
   a. Illustration of building systems relationship

b. Typical exterior details
c. Structural grid designations
d. Vertical floor elevation designations
e. Grid to exterior wall dimensions
f. Item and material designations
g. Include appropriate descriptions

.7 Mechanical Conceptual Floor Plans and Roof Plans (All Levels and Roof)

a. Place over architectural background.
b. HVAC and plumbing information may be combined for all levels.
c. Conceptual HVAC and plumbing floor plans shall include:
    1) Single line HVAC main ducts and risers
    2) Single line exhaust ducts and risers
    3) HVAC and exhaust equipment and associated system components layout in mechanical room and/or on roof
    4) Identification and location of main plumbing lines, equipment and valves
    5) Identification of plumbing fixtures
    6) Identification and location of floor drains and sinks
    7) Location and identification of mechanical equipment and HVAC temperature control zones
    8) Overall dimensions of mechanical equipment and service clearance dimensions to be provided

.8 Electrical Conceptual Floor Plans, Roof Plans, and Single Line Diagrams (All Levels and Roof)

a. Place over architectural background.
b. Lighting and power information may be combined for all levels. Typical spaces do not need to be repeated.
c. Conceptual floor plans shall include:
    1) Location and identification of light fixtures
    2) Location and identification of exit lighting
    3) Location and identification of emergency lighting
    4) Location and identification of electrical panels
    5) Location and identification of electrical equipment
    6) Location of transformers and generators
    7) Conceptual single line power diagram

END OF SECTION

PRICE PROPOSAL FORM

FOR

STUDENT SUCCESS CENTER
PROJECT NO. 950512

UNIVERSITY OF CALIFORNIA, RIVERSIDE
RIVERSIDE, CALIFORNIA 92507

January 2019

PROPOSAL TO: UNIVERSITY OF CALIFORNIA, RIVERSIDE
Planning, Design & Construction
1223 University Avenue, Suite 240
Riverside, California, 92507
(951) 827-4064

PROPOSAL FROM:

_____
(Name of Firm Submitting Proposal)

_____
(Address)

_____
(City, State, Zip Code)

_____
(Telephone & Fax Number)

_____
(Date Proposal Submitted)

Note: All portions of this Price Proposal Form must be completed and must include the signed Declaration on the last page of this form before the Proposal is submitted. Failure to execute the Declaration will result in the Proposal being rejected as nonresponsive.

1.0 PROPOSER'S REPRESENTATIONS

Proposer, represents that a) it has the appropriate active Contractor's license required by the State of California; b) it has carefully read and examined the Proposal Documents for the proposed Work on this Project; c) it has examined the site of the proposed Work and all Information Available to Prequalified Proposers; d) it has become familiar with all the conditions related to the proposed Work, including the availability of labor, materials, and equipment; e) that all information and submittals provided as part of the prequalification process are accurate and correct; f) Proposer and all Subcontractors, regardless of tier, are currently registered with the California Department of Industrial Relations pursuant to California Labor Code Section 1725.5 and 1771.1. Proposer hereby offers to furnish all labor, materials, equipment, tools, transportation, and services necessary to complete the proposed Work on this Project in accordance with the Contract Documents for the sums quoted. Proposer further agrees that it will not withdraw its Proposal within **90** days after the Proposal Deadline, and that, if it is selected as the apparent lowest responsive and responsible Proposer, that it will, within **10** days after receipt of notice of selection, sign and deliver to University the Agreement in triplicate and furnish to University all items required by the Proposal Documents. If awarded the Contract, Proposer agrees to complete the proposed Work within the number of days specified in the Agreement.

2.0 ADDENDA

Proposer acknowledges that it is Proposer's responsibility to ascertain whether any Addenda have been issued and if so, to obtain copies of such Addenda from University's facility at the appropriate address stated on Page 1 of this Price Proposal Form. Proposer therefore agrees to be bound by all Addenda that have been issued for this Proposal.

3.0 LUMP SUM BASE PROPOSAL

LUMP SUM BASE PROPOSAL

MAXIMUM ACCEPTANCE COST = ~~$49,000,000~~ $49,980,000

$ | | | | , | | | | , | | | | *****

(Place figures in appropriate boxes)

*****Proposer includes the following allowances in the Lump Sum Base Proposal (Refer to Specification Section 01 2100);

Allowance No. 1: Partnering
Allow $20,000 for project partnering expenses, including meals, rentals, etc.

Allowance No. 2: Signage (Exterior, Interior & Other Interior Signage)
Allow $100,000 for Building Signage.

Allowance No. 3: Design Refinements
Allow **$300,000** for University directed design refinements/clarifications.

Allowance No. 4: Audio Visual Equipment
Allow $1,200,000 for University directed design refinements/clarifications.

If Lump Sum Base Proposal exceeds the Maximum Acceptance Cost in Request for Proposal, Proposal will be determined to be nonresponsive.

4.0 UNIT PRICES

The quantities set forth in Specification Section 01 2200, Unit Prices, are estimates. University does not represent that the actual quantity of any unit price item will equal the Estimated Quantity stated below. University will perform the extension of the Unit Price times the respective Estimated Quantity.

Item No. 1 – **Compensation for Compensable Delays** As specified in Section 5.0 of this Price Proposal Form.	
Item No. 2 – **Rock Excavation**	$ ☐☐ , ☐☐☐ Unit Price per cubic yard (Place Unit Price in appropriate boxes)
Item No. 3 – Over-Excavation	$ ☐☐ , ☐☐☐ Unit Price per cubic yard (Place Unit Price in appropriate boxes)
Item No. 4 – **Backfill and Compaction for Over Excavation**	$ ☐☐ , ☐☐☐ Unit Price per cubic yard (Place Unit Price in appropriate boxes)
Item No. 5 – **Trenching, Backfilling and Compacting for Utilities**	$ ☐☐ , ☐☐☐ Unit Price per cubic yard (Place Unit Price in appropriate boxes)
Item No. 6 – **Lean Concrete**	$ ☐☐ , ☐☐☐ Unit Price per cubic yard (Place Unit Price in appropriate boxes)
Item No. 7 – **Transite Pipe Removal**	$ ☐☐ , ☐☐☐ Unit Price per lineal foot (Place Unit Price in appropriate boxes)
Item No. 8 – **Imported Topsoil**	$ ☐☐ , ☐☐☐ Unit Price per cubic yard (Place Unit Price in appropriate boxes)
Item No. 9 – Drainage Fabric	$ ☐☐ , ☐☐☐ Unit Price per square foot (Place Unit Price in appropriate boxes)

Item No. 10 – 120V Electrical Outlet	$ ☐☐ , ☐☐☐ (Place Unit Price in appropriate boxes)	Unit Price per one outlet
Item No. 11 – Data Outlet	$ ☐☐ , ☐☐☐ (Place Unit Price in appropriate boxes)	Unit Price per one outlet
Item No. 12 – Video Surveillance Camera	$ ☐☐ , ☐☐☐ (Place Unit Price in appropriate boxes)	Unit Price per one camera
Item No. 13 – Card Reader Lock	$ ☐☐ , ☐☐☐ (Place Unit Price in appropriate boxes)	Unit Price per one card reader lock
~~**Item No. 14 – Wireless Access Point**~~	~~$~~ ☐☐ ~~,~~ ☐☐☐ ~~(Place Unit Price in appropriate boxes)~~	~~Unit Price per one wireless access point~~
~~**Item No. 15 – Wi-Fi Router**~~	~~$~~ ☐☐ ~~,~~ ☐☐☐ ~~(Place Unit Price in appropriate boxes)~~	~~Unit Price per one card wi-fi router~~
Item No. 16 – Wireless Access Point	***$*** ☐☐ ~~,~~ ☐☐☐ ***(Place Unit Price in appropriate boxes)***	***Unit Price per one Wireless Access Point Cabling***

5.0 DAILY RATE OF COMPENSATION FOR COMPENSABLE DELAYS

Proposer shall determine and provide in the space below, the daily rate of compensation for any compensable delay caused by University at any time during the performance of the Work:

$ ☐ , ☐☐☐ **x** 60 days (multiplier)

(Place Daily Rate in appropriate boxes.)

Failure to fill in a dollar figure for the daily rate for Compensable Delay shall be interpreted as a daily rate of "zero." University will perform the extension of the daily rate times the multiplier.

The daily rate shown above will be the total amount of Proposer entitlement for each day of compensable delay. The number of days of compensable delay shown as a "multiplier" above is not intended as an estimate of the number of days of compensable delay anticipated by the University. The University will pay the daily rate of compensation only for the actual number of days of compensable delay, as defined in the General Conditions; the actual number of days of compensable delay may be greater or lesser than the "multiplier" shown above.

6.0 NOT USED

7.0 SELECTION OF APPARENT LOW PROPOSER

The apparent low proposer will be determined in accordance with the evaluation process attached to the Request for Proposal.

8.0 ALTERNATES (Refer to Specification (Section 01 2300)

Provide all design, engineering, coordination, labor, materials, equipment, accessories, and Design Builder and subcontractor overhead, mark-up, and profit required for the following Alternates. Indicate by marking only **one** of the three boxes ("Add", "Deduct", or "No Change") and state the amount by placing figures in the corresponding boxes. Check the "No Change" box when there is no change in the Lump Sum Base Proposal. **(Note: No amount is required if the "No Change" box is selected).** Failure to quote an amount or check "No Change" or the insertion of any words that qualify the Price Proposal will result in the Proposal being rejected as nonresponsive. No extension of time will be granted if the Alternate is accepted.

Alternate No. 1 – Site Development Area: Student Services Court	$ ☐ , ☐☐☐ , ☐☐☐ (Place figures in appropriate boxes.) University reserves the right to accept this alternate concurrent with the Notice to Proceed for Phase 1.	☐ Add ☐ Deduct ☐ No Change
Alternate No. 2 – Site Development Area: Athletics/Dance Court	$ ☐ , ☐☐☐ , ☐☐☐ (Place figures in appropriate boxes.) University reserves the right to accept this alternate concurrent with the Notice to Proceed for Phase 1.	☐ Add ☐ Deduct ☐ No Change
Alternate No. 3 – LEED Gold Certification	$ ☐ , ☐☐☐ , ☐☐☐ **(Place figures in appropriate boxes.)** **University reserves the right to accept this alternate concurrent with the Notice to Proceed for Phase 1.**	☐ **Add** ☐ **Deduct** ☐ **No Change**
Alternate No. 4 – Motorized Blackout shades in the Group Meeting room and Large Classroom	$ ☐ , ☐☐☐ , ☐☐☐ **(Place figures in appropriate boxes.)** **University reserves the right to accept this alternate concurrent with the Notice to Proceed for Phase 1.**	☐ **Add** ☐ **Deduct** ☐ **No Change**

9.0 PROPOSER INFORMATION

TYPE OF ORGANIZATION: _____
(Corporation, Partnership, Individual, Joint Venture, etc.)

If a Corporation, the Corporation is organized under the laws of the State of:

_____
(State)

President of the Corporation:

_____
(Name)

Name of Secretary of the Corporation:

_____
(Name)

If a Partnership, names and titles of persons signing the bid on behalf of proposer and all general partners:

Persons signing the bid on behalf of Proposer:

_____
(Name & Title)

General Partners:

_____
(Name & Title)

_____
(Name & Title)

CALIFORNIA CONTRACTORS LICENSE(S):

_____
(Name of Licensee)

_____ _____ _____
(Classification) (License Number) (Expiration Date)

(For Joint Venture, list Joint Venture's license and licenses for all Joint Venture partners.)

10.0 REQUIRED COMPLETED ATTACHMENTS

The following documents are submitted with and made a condition of this Proposal:

1. Proposal security in the form of _____
(Bid Bond or Certified Check)

11.0 DECLARATION

I, _____ (printed name), hereby declare that I am the _____ (Title) of _____ (Name of Proposer) submitting this Price Proposal Form; that I am duly authorized to execute this Price Proposal Form on behalf of Proposer; and that all information set forth in this Price Proposal Form and all attachments hereto are, to the best of my knowledge, true, accurate, and complete as of its submission date.

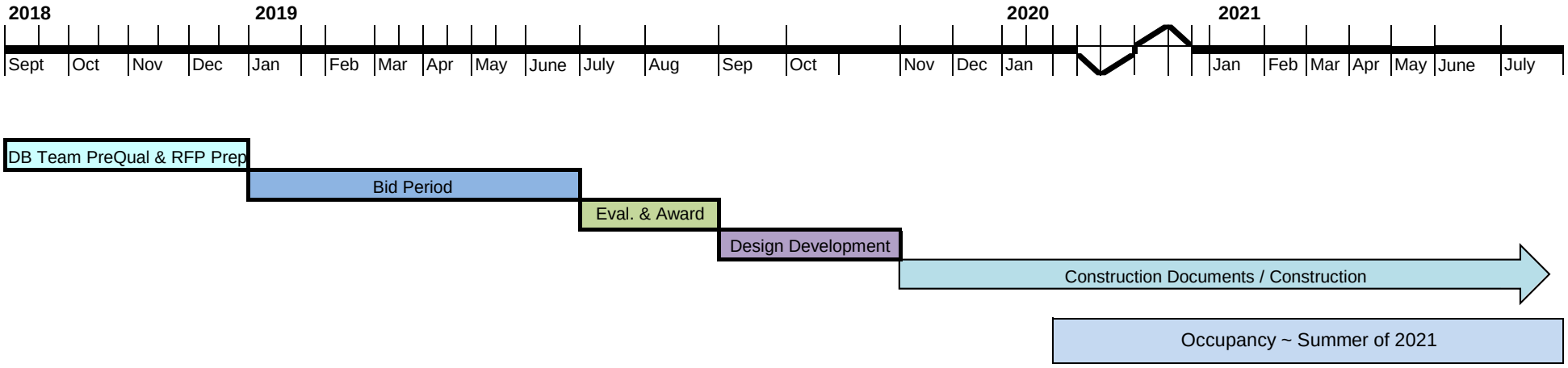
I further declare that this bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

I declare, under penalty of perjury, that the foregoing is true and correct and that this declaration was subscribed at:_____ (Location and City), County of _____, State of _____, on _____ (Date).

_____
(Signature)

UCR Student Success Center

Project No. 950512



SECTION 01 2200 - UNIT PRICES

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes administrative and procedural requirements for unit prices.

B. Related Sections include the following:

1. Division 01 Section "Contract Modification Procedures" for procedures for submitting and handling Change Orders.

1.2 DEFINITIONS

A. Unit price is an amount incorporated in the Agreement, applicable during the duration of the Work, as a price per unit of measurement for materials, equipment or services, or a portion of the Work, added to or deducted from the Contract Sum by Change Order, if estimated quantities of Work required by the Contract Documents are increased or decreased beyond the base contract scope.

1.3 PROCEDURES

A. Unit prices shall include all necessary material, plus cost for delivery, installation, insurance, applicable taxes, overhead, profit, operable modifications according to the Contract Documents, cost of coordinating the unit price work with adjacent work, compensation for risk of loss or damage to the work regardless of cause, and all expenses due to delays in performance.

B. The Unit Prices shall not apply to work the Design Builder elects to do for its own convenience or to correct errors committed by the Design Builder.

C. Unit Prices remain in effect during the Contract Time and will be used to adjust the Contract Sum.

D. Measurement and Payment: Refer to individual Specification Sections for work that requires establishment of unit prices. Methods of measurement and payment for unit prices are specified in those Sections.

E. University reserves the right to reject Design Builder's measurement of work-in-place that involves use of established unit prices and to have this work measured, at University's expense, by an independent surveyor acceptable to Design Builder.

F. List of Unit Prices: A list of unit prices is included in Part 3. Specification Sections referenced in the schedule contain requirements for materials described under each unit price.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 LIST OF UNIT PRICES

A. Unit Price No. 1 - Daily Rate of Compensation for Compensable Delays:

1. Description: Proposing Design Builder shall determine the amount of per diem compensation for any Compensable delay as defined in Articles 7 and 8 of the General Conditions.
2. Unit of Measure: One calendar day.
3. Multiplier: Sixty calendar days.

B. Unit Price No 2 - Rock Excavation:

1. Description: Rock excavation in accordance with Division 31 “Earthwork".
2. Unit of Measure: Cubic yard of rock excavated.
3. Multiplier: 250 cubic yards

C. Unit Price No. 3 - Over-Excavation:

1. Description: Excavation and disposal of additional earth, in accordance with Division 31 “Earthwork".
2. Unit of Measure: Cubic yard of material removed and disposed.
3. Multiplier: 100 cubic yards.

D. Unit Price No. 4 - Backfill and Compaction for Over Excavation:

1. Description: Placement and compaction of additional backfill, in accordance with Division 31 “Earthwork".
2. Unit of Measure: Cubic yard of material placed and compacted.
3. Multiplier: 50 cubic yards.

E. Unit Price No. 5 - Trenching, Backfilling and Compacting for Utilities:

1. Description: Trenching for utilities, placement and compaction of backfill, in accordance with Division 31 “Earthwork".
2. Unit of Measure: Cubic yard of material removed during trenching, placement and compaction of backfill.
3. Multiplier: 50 cubic yards.

F. Unit Price No. 6 - Lean Concrete:

1. Description: Provide 1,000 psi slurry concrete.
2. Unit of Measure: Cubic yard.
3. Multiplier: 100 cubic yards

G. Unit Price No. 7 - Transite Pipe Removal:

1. Description: Removal and legal disposal of unforeseen transite pipe.
2. Unit of Measure: Lineal foot of material removed and legally disposed.
3. Multiplier: 500 linear feet.

H. Unit Price No. 8- Imported Topsoil:

1. Description: Import and placement of planting topsoil, in accordance with Division 32 Section, "Plants".
2. Unit of Measure: Cubic yard of soil imported and placed.
3. Multiplier: 250 cubic yards.

I. Unit Price No. 9 - Drainage Fabric:

1. Description: Furnish and install area of drainage fabric as described in Division 32 Section, "Exterior Improvements".
2. Unit of Measure: Square foot of fabric installed.
3. Multiplier: 1,000 square feet.

J. Unit Price No. 10 – 120V Electrical Outlet:

1. Description: Additional electrical outlet with dedicated 20-amp circuit breaker, according to Division 26, with 100 linear feet of wire/conduit routing, including associated panel and hardware upgrades.
2. Unit of Measure: One Outlet.
3. Multiplier: 5 Outlets.

K. Unit Price No. 11 – Data Outlet:

1. Description: Additional data outlet with three category 6 cables, voice over IP, with wall conduit, with 150 linear feet cable routing, per Division 27 "Communications".
2. Unit of Measure: One Outlet.
3. Multiplier: 10 Outlets.

L. Unit Price No. 12 – Video Surveillance Camera:

1. Description: Additional video surveillance camera as described in Division 28 "Electronic Safety and Security". Include all required wiring, cabling, pathway, hardware and other components and devices for a complete installation.
2. Unit of Measure: One camera.
3. Multiplier: 5 cameras.

M. Unit Price No. 13 – Card Reader Lock:

1. Description: Additional card reader locks as described in Division 28 Section "Access Control." Include electric strike, request to exit motion sensor, door alarm contacts and connection to power and control system.

2. Unit of Measure: One card reader lock.
3. Multiplier: 5 card reader locks.

~~N. Unit Price No. 14 – Wireless Access Point~~

~~1. Description: Additional Wireless Access Point (WAP) as described in Division 27 "Communication" Include all required wiring, cabling, pathway, hardware and other components and devices for a complete installation.~~
~~2. Unit of Measure: One Wireless Access point.~~
~~3. Multiplier: 1 Wireless Access point.~~

~~O. Unit Price No. 15 – Wi-Fi Router~~

~~1. Description: Additional Wi-fi router as described in Division 27 "Communication" Include all required wiring, cabling, pathway, hardware and other components and devices for a complete installation.~~
~~2. Unit of Measure: One Wi-Fi router.~~
~~3. Multiplier: 1 Wi-Fi router.~~

P. Unit Price No. 16 – Wireless Access Point

1. Description: Additional Wireless Access Point (WAP) cabling installation with 100 linear feet of Category 6 cabling, including all required wiring, conduit, cabling, pathways and other components for a complete installation.
2. Unit of Measure: Cabling for 1 Wireless Access point.
3. Multiplier: 1 Wireless Access Point Cabling.

END OF SECTION 01 2200

SECTION 01 8113 – SUSTAINABLE DESIGN REQUIREMENTS

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes requirements, procedures, and application of sustainable principles including USGBC LEED BD+C v4 or current Building Design and Construction (BD+C) rating system for project certification from GBCI, Cal-Green Code.

1. Project shall achieve LEED ~~Gold~~ ***Silver*** rating as awarded by GBCI as part of Base Bid.
2. ***Alternate Rating: Refer to Division 01 Section Alternates.***
3. Comply with California Green Building Standards.

    a. Submit CALGreen Checklists (refer to Attachment #1) within 30 days of NTP with description of proposed method of compliance, based upon code analysis and code study.
    b. Note: Design Builder must review Project Specifications, Campus Standards ~~& Project Planning Guidelines,~~ LEED Requirements, Basis of Design and all other RFP and code requirements, and meet or exceed the most stringent requirements, including the CAL-Green requirements.

B. The Design Builder's responsibilities shall include, but not be limited to the following:

1. Design Builder must design, construct, document, and execute project for compliance with USGBC LEED BD+C v4 or current Building Design and Construction (BD+C) rating system prerequisites and credits as necessary for LEED ~~Gold~~ ***Silver*** certification.
2. Comply with all prerequisite and credit requirements necessary to achieve LEED ~~Gold~~ ***Silver*** certification from GBCI. Provide reports, calculations, drawings, exhibits and other documentation required.
3. Design Builder must comply with USGBC and GBCI policies and rules.
4. Design Builder must manage, coordinate, plan, and meet with University Representative, design professionals and specialty contractors to develop action plans and select credits as necessary to implement and achieve GBCI approval, in order to meet project goals.
5. Achieve specific mandatory credits required by the University – Refer Part 3.
6. Selection of LEED credits necessary to obtain certification of LEED rating and GBCI award are the Design Builder's choice. The Design Builder shall select credits and edit Drawings, and Divisions 02 through 33 to incorporate the LEED requirements as applicable. Incorporate all requirements into design and construction.
7. University will register the project on LEED Online.
    a. University will provide Design Builder access to LEED Online for administration purposes
    b. Manage LEED On-line electronic documenting system per the requirements of GBCI. Coordinate work with design professionals, and specialty contractors.

c. Provide all documentation required for LEED Online.

1) The University will participate in review of the project.
2) The University may add or pursue additional credits, and may provide documentation for GBCI review and approval.
3) Design Builder responsible for responding to all review clarifications for prerequisites and credits submitted by them for LEED certification until all prerequisites are awarded and credit(s) are rewarded or denied.

8. Design Builder shall provide all work and services associated with implementation, procedures, material, design, engineering, labor documentation, related to acquiring LEED certification. Any costs associated with appeals of prerequisite and/or credits submitted by Design Builder, deemed necessary by UCR, will be sole responsibility of Design Builder.

C. University Required Credits

1. Design Builder shall achieve GBCI approval of University required LEED credits as indicated on the LEED Project Checklist in Part 3.

D. University Sustainability

1. All new building projects, other than acute care facilities, shall be designed, constructed, and commissioned to outperform the CBC energy-efficiency standards 2016 by at least 20% by energy cost and/or meet Whole Building Energy Targets set by UCOP. A copy is included in the project RFP ~~exhibits.~~ University Furnished Information.
2. All new building projects will achieve at least two points within the available credits in LEED-New Construction's Water Efficiency category.
3. Waste reduction and recycling shall be prioritized. Design Builder must achieve 95% diversion.

E. Southern California Gas (SoCal Gas) Savings by Design Program (SBD)

1. Project participation in this energy savings and rebate program for the SoCal Gas portion is a mandatory requirement. Design Builder must engage SoCal Gas Representative within 3 weeks of Notice to Proceed.
2. Title-24 performance for a stand-alone building modeled without the UCR central plant must be 20% by energy cost, better than code minimum performance.
3. Savings by Design: an energy efficiency program offered by California's four investor-owned utility companies and the Sacramento Municipal Utility District. Savings by Design provides design assistance, energy analysis, life-cycle costing, and financial incentives for new construction and major renovation projects. The Savings by Design program is also known as the Non-Residential New Construction Program which is applicable to high-rise residential as defined in the Energy Efficiency Standards.
4. All equipment provided as part of this project shall meet the SBD energy performance requirements, which exceed code minimum requirements.

F. Related Sections:

1. Divisions 01 through 33 Sections for LEED requirements specific to the work of each of these Sections. Requirements may or may not include reference to LEED.

1.2 DEFINITIONS

A. CBC: California Building Code (2016), Title 24 portion of the California Code of Regulations

B. GBCI: Green Building Certification Institute. Refer to GBCI website (http://www.gbci.org).

C. LEED: Leadership in Energy and Environmental Design. LEED is a registered trademark of the U.S. Green Building Council (USGBC). This trademark applies to all occurrences of LEED in this document. LEED is a green building rating system developed and administered by the non-profit U.S. Green Building Council. The four levels of LEED certification, from lowest to highest, are Certified, Silver, Gold, and Platinum.

D. LEED BD+C v4 or current: LEED BD+C v4 or current for New Construction and Major Renovations rating system. Refer to The LEED Reference Guide for Green Building Design and Construction, 2016 Edition, available for purchase from USGBC website store. Include all addendums and updates to the latest edition, as applicable.

E. USGBC: US Green Building Council. Refer to USGBC website (http://www.usgbc.org). U.S. Green Building Council. The USGBC is a membership-based non-profit organization dedicated to sustainable building design and construction, and is the developer of the LEED building rating system.

1.3 SUBMITTALS

A. General: Submit additional LEED submittals required by other Specification Sections.

B. LEED Action Plans: Provide preliminary submittals within 30 days of date established for the Notice to proceed indicating how GBCI certification of project LEED rating will be achieved. Include description of how each project Credit and Prerequisite will be met, including the following:

1. ~~Credit EQc3.1~~ IEQ Credit: Construction indoor-air-quality management plan.
2. ~~Credit MRc2~~ MR Prerequisite and Credit: Waste management plan complying with Division 01 Section "Construction Waste Management."
3. ~~Credit MRc3~~ MR Credit Building Lifecycle Impact Reduction: (Selection~~s are~~ is optional) List of proposed salvaged and refurbished materials. Identify each material that will be salvaged or refurbished, including its source ~~and~~ cost and the surface area (option 3). Or, provide the proposed the Life Cycle Assessment (LCA) Software, list the Products

to be included in the Assessment and the Life Cycle Impact Indicators. Global Warming must be included.

4. ~~Credit MRc4: (Selection is optional) List of proposed materials with recycled content. Indicate cost, post-consumer recycled content, and pre-consumer recycled content for each product having recycled content.~~ MR Credit Building Product Disclosure Optimization: List of proposed products that meet the requirements of the Environmental Product Declarations and Materials Ingredients credits.
5. MR Credit Building Product Disclosure Optimization Sourcing Raw Materials~~MRc5~~: (Selection is optional): List of proposed products that meet the responsible extraction criteria found in the credit ~~regional materials. Identify each regional material,~~ including its source, cost, and the fraction by weight ~~that is considered regional.~~ that meet the criteria. Identify if any of these materials are regional (100 miles of project site.)
6. ~~Credit MRc7: (Selection is optional): List of proposed certified wood products. Indicate each product containing certified wood, including its source and cost of certified wood products.~~

C. LEED Online Project Registration: Design Builder to coordinate with University Representative to confirm receipt of LEED Online project registration from the ~~GBCI~~ USGBC no later than 30 days after the date of Notice To Proceed.

D. Final LEED Submission: All prerequisite and credit document materials to complete the final LEED application to LEED On-line shall be completed and uploaded no later than 15 days after the completion of the building's final commissioning. Submit verification of submittal to University Representative for review.

E. LEED Certification Award: All prerequisites and credits, if questioned by GBCI, must be coordinated and clarified until awarded and LEED certification is achieved. Submit clarification documentation to University Representative for review and record. University Representative will distribute copies of LEED certification award, upon request.

F. CALGreen Checklists: (For Checklists see Attachments #1 at the end of this Section) Submit completed Checklists with the following information:

1. Describe method of compliance with the California Green Building Standards Code on the Checklists,
2. Indicate location where code compliance is shown within the final construction design package; Sheet No.'s, Detail No.'s, Specification Section/Paragraph No.'s. Indicate location of design information which displays code compliance on the Checklists.
3. Submit Completed Checklists with design packages for review/approval.

G. Southern California Gas (SoCal Gas) Savings by Design Program (SBD) registration: Provide SBD Design Team application no later than 30 days after the date of Notice to Proceed.

1.4 QUALITY ASSURANCE

A. LEED Coordinator: Engage an experienced LEED-Accredited Professional to coordinate LEED requirements with University Representative. Design Builder's LEED coordinator may also serve as waste management coordinator.

PART 2 - PRODUCTS

2.1 Provide materials as determined during project design as necessary to accomplish approval of LEED prerequisites and credits.

PART 3 - EXECUTION

3.1 INTEGRATIVE PROCESS

A. IP Credit Integrative Process: Hold Shoulder to Shoulder reviews with design team within 30 days of NTP to discuss synergies across disciplines and building systems. Use the analyses to inform OPR, BOD, design documents and construction documents.

3.2 LOCATION AND TRANSPORTATION

A. LT Credit Sensitive Land Protection: Provide documentation of site selection to achieve this credit.

B. LT Credit: Surrounding Density and Diverse Uses: Provide documentation showing commercial density (FAR) and residential density (du/acre) within ¼ mi of the project site. Provide documentation of at least 8 diverse uses as described in the LEED v4 Reference Guide.

C. LT Credit: Access to Quality Transit: Provide documentation showing all public transportation stops (bus, rail, etc.) within ¼ mi walking distance of site.

~~D. LT Credit Bicycle Facilities: Provide documentation of bike racks and showers, and proximity to local bicycle network to achieve this credit.~~

~~E. LT Credit Reduced Parking Footprint: Provide documentation of parking available for occupants in direct proximity to project site.~~

~~F. LT Credit Green Vehicles: Provide documentation of electric vehicle charging stations available for occupants.~~

3.3 SUSTAINABLE SITES

~~A. Prerequisite SSp1: Verify compliance of site selection credit early in the design phase.~~

~~B. Credit SSc1: Provide documentation of site selection to achieve this credit.~~

~~C. Credit SSc4.2: Provide documentation of bike racks and showers to achieve this credit.~~

~~D. Credit SSc4.4: Provide documentation of no new parking to achieve this credit.~~

~~E. Credit SSc5.1SS Credit Site Development, Protect or Restore Habitat: Provide documentation of Site Development – Protection or restoration of habitat to achieve this credit.~~

F. ~~SS Credit Open Space: Credit SSc5.2: Provide documentation of Site Development – Maximization of open Open Space spaces that promote biodiversity and recreation to earn this credit~~.

G. University of California Riverside ~~Credit SSc6.1~~: Project requirement is to ensure that post construction storm runoff does not exceed the preconstruction storm runoff – see Scope of Work and UCR Long Range Development Plan.

1. The Project drainage study shall establish that pre-project hydrologic conditions affecting downstream conditions would be maintained by the proposed project by incorporating site design, source control or treatment control BMPs or by demonstrating that there would be no significant impact to the downstream receiving waters.
2. All land disturbance of 1 acre or greater, shall meet the following (Reference: November 2005 UCR Long Range Development Plan Final EIR, LRDP Amendment 2- 2011, and Amendment 3- 2013):

    a. Site design that controls runoff discharge volumes and durations shall be utilized, where applicable and feasible, to maintain or reduce the peak runoff for the 10-year, 6-hour storm event in the post-development condition compared to the pre-development condition, or as defined by current water quality regulatory requirements.
    b. Measures that control runoff discharge volumes and durations shall be utilized, where applicable and feasible, on manufactured slopes and newly-graded drainage channels, such as energy dissipaters, revegetation (e.g., hydroseeding and/or plantings), and slope/channel stabilizers.

H. ~~Credit SSc6.2: Provide documentation of Stormwater Design – Quality Control to achieve this credit.SS Credit Rainwater Management: Project LEED requirement is to manage onsite runoff from developed site for the 95th percentile of regional or local rainfall events using Low Impact Development (LID) and Green Infrastructure. (LEED credit requirements optional outside of UCR Stormwater Plan requirements.)~~

~~I. Credit SSc7.1~~SS Credit Heat Island Reduction: Provide documentation of Heat Island ~~Effect – Non-roof to achieve this credit.~~

J. ~~Credit SSc7.2: Design roofing for compliance to achieve this credit.~~ Reduction using roof and non-roof to achieve credit.

K. SS Credit Light Pollution Reduction: Provide documentation of backlight-uplight-glare (BUG) for outdoor lighting on site.

3.4 WATER EFFICIENCY

A. **University of California, Riverside mandates that all new construction project will achieve at least two points within the available credits in Water Efficiency.**

B. ~~Credit WEc1~~WE ~~Prerequisite and~~ Credit Outdoor Water Use Reduction: ***Reduce outdoor water use by 50%***.

C. ~~Credit WEc3~~WE ~~Prerequisite and~~ Credit Indoor Water Use Reduction: Reduce Water Use by 35%. ~~Reduce by 40% to earn Regional Credit.~~

D. WE Prerequisite Building Level Water Metering: Show location of permanently installed building level meter and provide letter from owner committing to sharing water use data for 5-year period.

~~E. WE Credit Water Metering (Selection is optional): Show location of permanently installed water meters for two or more water subsystems as outlined in the LEED v4 reference guide.~~

3.5 ENERGY AND ATMOSPHERE

A. University of California, Riverside mandates that all new construction projects achieve 20% (by energy cost) or better than Title 24 -2016 code requirements.

B. EA Credit Optimize Energy Performance~~EAc1~~: Design a building that achieves 20% (by energy cost) or better than Title 24 – ~~2013~~2013~~3~~6 code requirements.

1. Title-24 energy modeling and calculation – Central plant modeling within the building model is required for LEED projects. The University has documentation on central plant chillers, cooling towers, pumps, thermal energy tank, operating sequences, and other information available for energy modeling performed by the Design Builder.

    a. Note: energy models for SoCal Gas ‘Savings by Design’ must be performed without the input of the central plant equipment, as code requires building Title-24 calculations as a stand-alone building.

C. ~~Credit EAc2~~EA Credit Renewable Energy Production: This credit for on-site solar power will be eligible for attempting only after the Design Builder has attempted ~~73~~ ***55*** points or higher without it. At that point, the University will provide data and documentation to earn the points associated with this additional credit.

D. ~~Credit EAc3~~EA Credit Enhanced and Monitoring based Commissioning: Provide enhanced and Monitoring based commissioning to earn this credit. Provide Envelope Commissioning.

E. ~~Credit EAc4~~EA Credit Enhanced Refrigerant Management: If refrigerants are provided on the project, comply with the requirements of this credit. Provide design and documentation to earn this credit in any case.

1. The University has existing documentation on the existing central plant chiller refrigerants available for use by the Design Builder to perform LEED ~~Template~~ Form documentation of this credit.

F. EA Prerequisite Building Level Energy Metering: Show location of permanently installed building level meter and provide letter from owner committing to sharing energy use data for 5-year period.

~~G. Credit EAc5 (Selection is optional): Implement measurement and verification plan consistent with Option B: Energy Conservation Measure Isolation in the EVO's "International Performance Measurement and Verification Protocol (IPMVP) Volume III: Concepts and Options for Determining Energy Savings in New Construction."~~

~~1. If not already in place, install metering equipment to measure energy usage. Monitor, record, and trend log measurements. Additional sub-metering of lighting may be required to achieve this credit.~~
~~2. Evaluate energy performance and efficiency by comparing actual to predicted performance. Provide calibrated model.~~
~~3. Measurement and verification period shall cover at least one year of post-construction occupancy.~~

H. ~~Credit EAc~~EA Credit Green Power: This credit for green power will be eligible for attempting only after the Design Builder has attempted ~~73~~ ***55*** points or higher without it. At that point, the University will provide data and documentation to earn the points associated with this additional credit.

3.6 MATERIAL RESOURCES

A. University of California, Riverside mandates that all new construction projects achieve 95% construction waste diversion.

B. ~~Credit MRc2~~MR Prerequisite and Credit Construction and Demolition Waste Management: Comply with requirements to attain at least 95% recycled or salvaged construction materials.

1. Comply with Division 01 Section 017419 "Construction Waste Management."

C. MR Credit ~~MRc4~~BPDO Environmental Product Declarations and Materials Ingredients: ~~Comply with the requirements for recycled content to achieve this credit.~~ Provide a minimum

of 20 materials from 5 different manufacturers with EPDs, and a minimum of 20 materials from 5 different manufacturers Material Ingredient reporting to achieve these credits.

~~D.~~ MR Credit ~~MRc5~~Sourcing Raw Materials: Comply with the requirements for recycled content, FSC wood, Bio-based materials and Extended Producer Responsibility to achieve this credit. ~~Comply with the requirements for regional materials to achieve this credit.~~

3.7 INDOOR ENVIRONMENTAL QUALITY

A. IEQ Credit ~~EQc1~~Enhanced IAQ Strategies: Comply with ~~outdoor air monitoring~~ IAQ strategies (option 1 and 2) requirements necessary to achieve this credit.

B. IEQ Credit Construction ~~EQc3.1~~IAQ Management Plan: Comply with requirements necessary to achieve this credit.

1. Comply with SMACNA's "SMACNA IAQ Guideline for Occupied Buildings under Construction."
2. If University's Representative authorizes use of permanent heating, cooling, and ventilating systems during construction period as specified in Division 01 Section "Temporary Facilities and Controls," install temporary filter media having a MERV 8 according to ASHRAE 52.2 at each return-air inlet for the air-handling system used during construction.
3. Replace all temporary air filters with new filters immediately prior to occupancy.

C. IEQ Credit ~~EQc3.2~~IAQ Assessment: Comply with requirements of this credit to ensure air quality prior to occupancy.

D. IEQ Credit ~~EQc4.1~~Low Emitting Materials - Adhesives & Sealants: Provide low emitting adhesives and sealants as required to achieve this credit. Provide VOC content and General Emission's Evaluations.

E. IEQ Credit ~~EQc4.2~~Low Emitting Materials – Paints & Coatings: Provide low emitting paints and coatings as required to achieve this credit. Provide VOC content and General Emission's Evaluations.

F. IEQ Credit ~~EQc4.3~~Low Emitting Materials – Flooring Systems: Provide low emitting flooring systems as required to achieve this credit. Provide General Emission's Evaluations (FloorScore, CRI Green Label Plus, GreenGuard, etc.)

G. IEQ Credit ~~EQc4.4~~Low Emitting Materials – Composite Wood: Provide low emitting composite wood and agrifiber products as required to achieve this credit. This credit applies to the manufacturing of all composite materials and laminating adhesives used on the project. Provide proof of CARB ULEF (Ultra Low Emitting Formaldehyde), NAUF (No Added Urea Formaldehyde) or NAF (No Added Formaldehyde) compliance.

H. IEQ Credit Low Emitting Materials – Wall & Ceiling Systems: Provide low emitting wall and ceilings systems as required to achieve the credit. Provide General Emission's Evaluations (SCS Indoor, Berkeley Analytical, GreenGuard, etc.)

~~I. IEQ Credit EQc5: Provide necessary design and construction to achieve indoor chemical and pollutant source control as required to achieve this credit.~~

~~J. IEQ Credit Interior EQc6.1Lighting: Provide necessary system design of high performance lighting systems through increased controllability for building occupants as required to achieve this credit.~~

~~K. IEQ Credit EQc6.2Thermal Comfort: Provide necessary system design of multi-occupant spaces through increased controllability of thermal comfort for building occupants as required to achieve this credit.~~

3.8 INNOVATION AND DESIGN

A. Credit IDc1.1 Provide ~~innovation~~ exemplary performance of base credit to achieve this credit.

B. Credit IDc1.2 Provide ~~innovation~~ exemplary performance of base credit to achieve this credit.

C. Credit IDc1.3: Provide ~~innovation exemplary performance~~ pilot credit compliance to achieve this credit.

D. Credit IDc1.4: Provide innovation strategy to achieve this credit.

E. Credit IDc1.5: Provide innovation strategy to achieve this credit.

F. Credit IDc2: UCR will document credit with UCR LEED AP.

3.9 Regional Priority Credits

A. Credit RPc1.1: Attempt regional priority credits based on project zip code 92521

B. Credit RPc1.2: Attempt regional priority credits based on project zip code 92521

C. Credit RPc1.3: Attempt regional priority credits based on project zip code 92521

D. Credit RPc1.4: Attempt regional priority credits based on project zip code 92521

3.10 PROJECT CREDIT CHECKLIST

A. Design Builder must ***demonstrate compliance and*** achieve ***all*** Prerequisites, as required by GBCI.

B. Legend – The table below identifies the abbreviations used on the Project Checklist and establishes minimum project requirements.

Abbreviation	Descriptor	Description:
~~P~~***C***	"~~Prefer~~ ***Code Mandated"***	Indicates credits that the ~~University would prefer Design Builder obtain for meeting accreditation goal as determined by the project RFP~~. ***California Building code requires that the Design-Builder would be required to provide to meet accreditation.***
~~DB M~~ ***P***	"~~Design Builder Mandatory~~" '***Preferred'***	Indicates credits that the Design Builder should consider achieving for meeting accreditation goal as determined by the project RFP.
D	***"Discretionary"***	***Indicates credits that are discretionary or optional- that the Design-Builder may elect to obtain towards achieving the requirements of the RFP***
X	***"Not Applicable"***	***Indicates credits that are not feasible for the current UCR project.***

C. Checklist starts on the next page:

LEED v4 for New Construction and Major Renovations

Project Name: UCR Student Success Center
Date: May 7, 2019
Certification Level: Silver Required
Addendum 18 : May 07, 2019

NEW CONSTRUCTION & MAJOR RENOVATIONS

C	P	D	X				
IP - Integrative Process					**Possible Points:**		**1**
	P			d	1	Integrative Process	1
LT - Location and Transportation					**Possible Points:**		**16**
			X	d	1	LEED for Neighborhood Development Location	16
	P			d	2	Sensitive Land Protection	1
			X	d	3	High Priority Site	1 to 2
	2			d	4	Surrounding Density and Diverse Uses (2-points based on existing site)	1 to 5
	2			d	5	Access to Quality Transit (2-points based on existing site)	1 to 5
		D		d	6	Bicycle Facilities	1
	P			d	7	Reduced Parking Footprint (University to provide)	1
			X	d	8	Green Vehicles	1
SS - Sustainable Sites					**Possible Points:**		**10**
C	P			c	Prereq 1	Construction Activity Pollution Prevention	
		D		d	1	Site Assessment	1
		D		d	2	Site Development - Protect or Restore Habitat (Option 1 required)	1 to 2
		D		d	3	Open Space	1
		D		d	4	Rainwater Management	2 to 3
	P			d	5	Heat Island Reduction	1 to 2
C	P			d	6	Light Pollution Reduction	1
WE - Water Efficiency					**Possible Points:**		**11**
C	P			d	Prereq 1	Outdoor Water Use Reduction	
C	P			d	Prereq 2	Indoor Water Use Reduction	
C	P			d	Prereq 3	Building-Level Water Metering	
C	1	D		d	1	Outdoor Water Use Reduction	1 to 2
	3	D		d	2	Indoor Water Use Reduction (35% reduction required)	3 to 6
			X	d	3	Cooling Tower Water Use	1 to 2
		D		d	4	Water Metering	1
EA - Energy and Atmosphere					**Possible Points:**		**33**
	P			c	Prereq 1	Fundamental Commissioning and Verification	
	P			d	Prereq 2	Minimum Energy Performance	
C	P			d	Prereq 3	Building-Level Energy Metering	
C	P			d	Prereq 4	Fundamental Refrigerant Management	
	6			c	1	Enhanced Commissioning (Monitoring and Envelope Cx required)	6
	8	D		d	2	Optimize Energy Performance (20% or better than Title 24 2016)	8 to 18
		D		d	3	Advanced Energy Metering	1

C = Building Code P = Preferred or # D = Discretionary X = Not Applicable to Project

EA - Energy and Atmosphere (cont.)					**Possible Points:**		
		D		c	5	Demand Response	1 to 2
		D		d	6	Renewable Energy Production (Eligible after 55 points attempted)	1 to 3
		D		d	7	Enhanced Refrigerant Management	1
		D		c	8	Green Power and Carbon Offsets (Eligible after 55 points attempted)	1 to 2
MR - Materials and Resources					**Possible Points:**		**13**
C	P			d	Prereq 1	Storage and Collection of Recyclables	
C	P			c	Prereq 2	Construction and Demolition Waste Management	
		D		c	1	Building Life-Cycle Impact Reduction	2 to 5
	1	D		c	2	BPDO - Environmental Product Declarations (Option 1 required)	1 to 2
	1	D		c	3	BPDO - Sourcing Raw Materials (Option 2 required)	1 to 2
	1	D		c	4	BPDO - Material Ingredients (Option 1 required)	1 to 2
	P			c	5	Construction and Demolition Waste Management (95% Diversion Required)	1 to 2
EQ - Indoor Environmental Quality					**Possible Points:**		**16**
C	P			d	Prereq 1	Minimum Indoor Air Quality Performance	
C	P			d	Prereq 2	ETS Control	
	P			d	1	Enhanced Indoor Air Quality Strategies	1 to 2
C	1	D		c	2	Low-Emitting Materials (Some categories covered under CA Code)	1 to 3
C	P			c	3	Construction IAQ Management Plan	1
	P			c	4	Indoor Air Quality Assessment	1 to 2
		D		d	5	Thermal Comfort	1
		D		d	6	Interior Lighting	1 to 2
		D		d	7	Daylight	1 to 3
		D		d	8	Quality Views	1
		D		d	9	Acoustic Performance	1
Innovation and Design Process					**Possible Points:**		**6**
		D			1.1	Innovation in Design: Green Education	1
		D			1.2	Innovation in Design: TBD	1
		D			1.3	Pilot Credit: TBD	1
		D			1.4	Innovation in Design: TBD	1
		D			1.5	Exemplary Performance: TBD	1
	P				1.6	LEED Accredited Professional	1
Regional Priority Credits					**Possible Points:**		**4**
	P				1.1	Indoor Water Use Reduction (2 points)	1
	P				1.2	Optimize Energy Performance (4 points)	1
		D			1.3	Surrounding Density and Diverse Uses (2 points)	1
	P				1.4	Outdoor Water Use Reduction (1 point)	1

UCR Planning, Design & Construction

Project Name: Student Success Center
Project Number: 950512
Addendum No. 10, March 18, 2019
Addendum No. 11, March 20, 2019
Addendum No. 18, May 08, 2019

LIST OF ATTACHMENTS:

1. ATTACHMENT #1 - Cal-Green Non-Residential Checklist

Attachment #1 – Cal-Green Non-Residential Checklist

Feature or Measure	Design-Build Method of Compliance Dwg/Spec/Detail No.	UCR Use	
		Design Review	Field Inspection
Requirements			
Project meets all of the requirements of Divisions 5.1 through 5.5.			
Planning & Design			
Site Development			
5.106.1 Storm water pollution prevention. Newly constructed projects which disturb less than one acre of land shall prevent the pollution of storm water runoff from the construction activities through local ordinance in Section 5.106.1.1 or Best management practices (BMP) in Section 5.106.1.2.			
5.106.4 Bicycle parking and changing rooms. Comply with Sections 5.106.4.1 and 5.106.4.2; or UC Policy.			
5.106.4.1 Short-Term bicycle Parking. If the project is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passer-by, for 5 percent of visitor motorized vehicle parking capacity, with a minimum of one two-bike capacity rack.			
5.106.4.2 Long-Term Bicycle parking. For buildings with over 10 tenant-occupants, provide secure bicycle parking for 5 percent of tenant- occupied motorized vehicle parking capacity, with a minimum of space one space.			
5.106.5.2 Designated parking. Provide designated parking for any combination of low-emitting, fuel-efficient and carpool / van pool vehicles as shown in Table 5.106.5.2.			
5.106.5.3 Electric vehicle (EV) charging. Construction shall comply with Section 5.106.5.3.1 or Section 5.106.5.3.2 to facilitate future installation of electric vehicles supply equipment (EVSE). Use table 5.106.5.3.3 to determine charging space requirements.			
5.106.8 Light pollution reduction. Outdoor lighting systems shall be designed and installed to comply with the following: 1. The minimum requirements in the *California Energy Code* for Lighting Zones 1-4 as defined in Chapter 10 of the *California Administrative Code;* and 2. Backlight, Uplight and Glare (BUG) ratings as defined in IESNA TM-15-11; and I:RI 3. Allowable BUG ratings not exceeding those shown in Table 5.106.8, or Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent.			
5.106.10 Grading and paving. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include those shown in Items 1-5. See exception for additions or alterations.			
Energy Efficiency			
Performance Requirements			

5.201.1 Scope. Building meets or exceeds the requirements of the California Building Energy Efficiency Standards.			
Water Efficiency and Conservation			
Indoor Use			
5.303.1 Meters. Separate meters shall be installed for the uses described in Sections 5.303.1.1 and 5.303.1.2.			
5.303.1.1 New buildings or additions in excess of 50,000 square feet separate submeters shall be installed as follows: 1. For each individual leased, rented or other tenant space within the wilding projected to consume more than 100 gal/day. 2. Where separate submeters for individual building tenants are unfeasible, for water supplied to the following subsystems: a. Makeup water for cooling towers where flow through is greater than 500 gpm (30 Lis). b. Makeup water for evaporative coolers greater than 6 gpm (0.04 Lis). c. Steam and hot-water boilers with energy input more than 500,000 Btulh (147 kW).			
5.303.1.2 Excess consumption. Any tenant within a new building or an addition that is projected to consume more than 1,000 gal/day (3800 L/day).			
5.303.3 Water conserving plumbing fixtures and fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:			
5.303.3.1 Water closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-Type Toilets. Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.			
5.303.3.2 Urinals. ~~The effective flush volume of urinals shall not exceed 0.5 gallons per flush.~~			
5.303.3.2.1 Wall-mounted urinals. The effective flush volume of urinals shall not exceed 0.125 gallons per flush.			
5.303.3.2.2 Floor-mounted urinals. The effective flush volume of urinals shall not exceed 0.5 gallons per flush.			
5.303.3.3 Showerheads.			
5.303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 2.0 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.			
5.303.3.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 2.0 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time. Note: A hand-held shower shall be considered a showerhead.			
5.303.3.4 Faucets and fountain.			

5.303.3.4.1 Nonresidential lavatory faucets. Lavatory faucets shall have a maximum flow rate if not more than 0.5 gallons per minute at 60 psi.			
5.303.3.4.2 Kitchen faucets. Kitchen faucets shall have a maximum flow rate of not more that 1.8 gallons per minute at 60 psi.			
5.303.3.4.3 Wash fountains. Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute at 60 psi.			
5.303.3.4.4 Metering faucets. Metering faucets shall not deliver more than 0.20 gallons per cycle.			
5.303.3.4.5 Metering faucets for wash fountains. Metering faucets for wash fountains shall have a maximum flow rate or not more than 0.20 gallons per cycle.			
~~5.303.4 Wastewater reduction. Each building shall reduce the generation of wastewater by one of the following methods: As applicable~~ ~~1. The installation of water- conserving fixtures or~~ ~~2. Utilizing nonpotab1e water systems.~~*5.303.4 Commercial kitchen equipment.*			
5.303.4.1 Food waste disposers. Disposers shall either modulate the use of water to no more than 1 gpm when the disposer is not in use or shall automatically shut off after 10 minutes or inactivity			
5.303.6 Standards for fixtures and fittings. Plumbing fixtures and fittings shall be installed in accordance with the *California Plumbing Code*, and shall meet the applicable standards As applicable referenced in Table 1401.1 of the *California Plumbing Code* and in Chapter 6 of this code.			
Outdoor Water Use			
5.304.1 Water budget. A water budget shall be developed for landscape irrigation use. Applies to additions or alterations.			
5.304.2 Outdoor ~~potable~~ water use *(500 square feet)*. ~~For new water service, separate meters or submeters shall be installed for indoor and outdoor potable water use for landscaped areas of at least 1,000 square feet but not more than 5,000 square feet, separate submeters shall be installed for outdoor potable water use. Applies to additions or alter-at~~*When water is used for outdoor irrigation for new construction projects with an aggregate landscape area equal to or greater than 500 square feet requiring a building or landscape permit, plan check or design review, one of the following shall apply:* *1. A local water efficient landscape ordinance that is, based on evidence in the record, at least as effect in conserving water as the updated model ordinance adopted by the Department of Water Resources (DWR) per Government Code Section 65595.* *2. The California Department of Water Resources Model Water Efficient Landscape Ordinance (MWELO) commencing with Section 490 of Chapter 2.7, Division 2, Title 23 California Code of Regulations*			
5.304.4 Outdoor ~~potable~~ water use *(2,500 square feet)*. ~~For new water service not subject to the provisions of Water Code Section 535, separate meters or submeters shall be installed for outdoor potable water use for landscaped areas of at least 500 square feet but not more than 1,000 square feet (the level at which Section 5.304.2 applies).~~*Any project with an aggregate landscape are of 2,500 square feet of*			

less map comply with performance requirements of MWELO or conform to the prescriptive compliance measures contained in MWELO's Appendix D.			
5.304.~~3 Irrigation design.~~ ~~In new nonresidential projects with at least 1,000 square feet but not more than 2,500 square feet of landscaped area (the level at which the MLO applies), install irrigation controllers and sensors which include the following criteria and meet manufacturer's recommendations. Applies to additions or alterations~~*5 Graywater or rainwater use in landscape areas. For projects using treated graywater or rainwater captured on site, any lot or parcel within the project that has less than 2,500 sf of landscape and meets the lot or parcel's landscape water requirement (Estimated Total Water Use) entirely with treated or untreated graywater or through stored rainwater captured on site is subject to Appendix D Section (5).*			
5.304.~~3.1 Irrigation controllers.~~ ~~Automatic irrigation system controllers installed at the time of final inspection shall comply with the following:~~ ~~I. Controllers shall be weather- or soil moisture-based controllers that automatically As applicable adjust irrigation in response to changes in plants' needs as weather conditions change.~~ ~~2. Weather-based controllers without integral rain sensors or communication systems that account for local rainfall shall have a separate wired or wireless rain sensor which connects or communicates with the controller(s). Soil moisture-based controllers are not required to have rain sensor input~~*6 Outdoor potable water use in landscape areas. For public schools and community colleges, landscape project as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the MWELO commencing with Section 490 of Chapter 2.7 Division 2, Title 23 California Code of Regulations.*			
Material Conservation and Resource Efficiency			
Weather Resistance and Moisture Management			
5.407.1 Weather protection. Provide a weather-resistant exterior wall and foundation envelope as required by California Building Code Section 1403.2 and California Energy Code Section 150, manufacturer's installation instructions or UCR Standards, whichever is more stringent.			
5.507.2 Moisture control. Employ moisture control measures by the following methods:			
5.407.2.1 Sprinklers. Prevent irrigation spray on structures.			
5.407.2.0 Entries and openings. Design exterior entries and openings to prevent water intrusion into buildings.			
Construction Waste Reduction, Disposal and Recycling			
5.408.1 Construction waste management. Recycle and/or salvage for reuse a minimum of ~~50~~*65*% of the non- hazardous construction waste in accordance with Section S.408.1.1, .408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent.			
5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and demolition waste management ordinance that is more stringent, submit a construction waste management plan that complies with Items 1 through 4 of this section.			

5.408.1.2 Waste management company. Utilize a waste management company that can provide verifiable documentation that the percentage of construction waste material diverted from the landfill complies with this section. Exceptions to Sections 5.408.1.1 and 5.408.1.2: 1. Excavated soil and land-clearing debris 2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist 3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets			
5.408.1.4 Documentation. Provide documentation of the waste management plan that meets the requirements listed in Sections 5.408.1.1 through 5.408.1.3, and the plan is accessible to the enforcement authority.			
5.408.3 Excavated soil and land clearing debris. 100 percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. Exception: Reuse, either on-or off-site, of vegetation or soil contaminated by disease or pest infestation.			
Building Maintenance and Operation			
5.410.1 Recycling by occupants. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of nonhazardous materials for recycling.			
5.410.2 Commissioning. For new buildings 10,000 square feet and over, building commissioning for all building systems covered by T24, Part 6, process systems and renewable energy systems shall be included in the design and construction processes of the building project. Commissioning requirements shall include items listed in Section 5.410.2.			
5.410.2.1 Owner's Project Requirements (OPR). Documented before the design phase of the project begins the OPR shall include items listed in Section 5.410.4.			
5.410.2.2 Basis of Design (BOD). A written explanation of how the design of the building systems meets the OPR shall be completed at the design phase of the building project and updated periodically to cover the systems listed in Section 5.4102.2.			
5.410.2.3 Commissioning plan. A commissioning plan describing how the project will be commissioned shall be started during the design phase of the building project and shall include items listed in Section 5.410.2.3			
5.410.2.4 *Functional performance testing.* Functional performance testing shall demonstrate the correct installation and operation of each component, system and system-to- system interface in accordance with the approved plans and specifications.			
5.410.2.5 Documentation and training. A systems manual and systems operations training are required.			
5.410.2.5.1 Systems manual. The systems manual shall be delivered to the building owner or representative and facilities operator and shall include the items listed in section 5.410.2.5.1.			

5.410.2.5.2 Systems operations training. The training of the appropriate maintenance staff for each equipment type and/or system shall include items listed in Section 5.410.2.5.2.			
5.410.2.6 Commissioning report. A complete report of commissioning process activities undertaken through the design, construction and reporting recommendations for post construction phases of the building project shall be completed and provided to the owner or representative.			
5.410.4 Testing and adjusting. Testing and adjusting of systems shall be required for buildings less than 10,000 square feet.			
5.410.4.2 Systems. Develop a written plan of procedures for testing and adjusting systems. Systems to be included for testing and adjusting shall include, as applicable to the project, the systems listed in Section 5.410.3.2.			
5.410.4.3 Procedures. Perform testing and adjusting procedures in accordance with industry best practices and applicable national standards on each system.			
5.410.4.3.1 HVAC balancing. Before a new space-conditioning system serving a building or space is operated for normal use, the system should be balanced in accordance with the procedures defined by national standards listed in Section 5.410.4.3.1			
5.410.4.4 Reporting. After completion of testing, adjusting and balancing, provide a final report of testing signed by the individual responsible for performing these services.			
5.410.4.5 Operation and maintenance manual. Provide the building owner with detailed operating and maintenance instructions and copies of guaranties/warranties for each system prior to final inspection.			
5.410.4.5.1 Inspections and reports. Include a copy of all inspection verifications and reports required by the enforcing agency.			
Environmental Quality			
Fireplaces			
5.503.*1 Fireplaces*. Install only a direct-vent sealed –combustion gas or sealed wood- burning fireplace or a sealed woodstove and refer to residential requirements in the California Energy Code, Title 24, Part 6, Subchapter 7, Section 150.			
5.503.1.1 Woodstoves. Woodstoves shall comply with US EPA Phase II emissions limits.			
Pollutant Control			
A5.504.1 Indoor air quality (IAQ) during construction. Maintain IAQ as provided in Sections AS.S04.1.1 and AS.S04.1.2.			
A5.504.1.1 Temporary ventilation. Provide temporary ventilation during construction in accordance with Section 121 of the California Energy Code, CCR, Title 24, Part 6 and Chapter 4 of CCR, Title 8 and as listed in Items 1 and 2 in Section AS.S04.1.2.			
A5.504.1.2 Additional IAQ measures. Employ additional measures as listed in Items 1 through S in Section AS.S04.1.3.			
5.504.1.3 Temporary ventilation. If the HVAC system is used during construction, use return air filters with a MERV of 8, based on ASHRAE S2.2-1999, or an average efficiency of 30% based on ASHRAE S2.1-1992. Replace all filters immediately prior to occupancy. Applies to additions or alterations.			

5.504.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of rough installation and during storage on the construction site and until final startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheetmetal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which may enter the system.			
5.504.4 Finish material pollutant control. Finish materials shall comply with Section 5.504.4.1 through 5.504.4.4.			
5.504.4.1 Adhesives, sealants, caulks. Adhesives and sealants used on the project shall meet the requirements of the following standards. 1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. 2. Aerosol adhesives and smaller unit sizes of adhesives and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of California Code of Regulations, Title 17, commencing with Section 94507.			
5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with Table 5.504.4.3 unless more stringent local limits apply.			
5.504.4.3.1 Aerosol paints and coatings. Aerosol paints and coatings shall meet the Product-Weighted MIR Limits for ROC in Section 94522 (a) (3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances (CCR, Title 17, Section 94520 et seq).			
5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency.			
5.504.4.4 Carpet systems. All carpet installed in the building interior shall meet the testing and product requirements of one of the standards listed in Section 5.504.4.4.			
5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute Green Label program.			
5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1.			
5.504.4.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the building shall meet the requirements for formaldehyde as specified in Table 5.504.4.			
5.504.4.5.2 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following. 1. Product certifications and specifications. 2. Chain of custody certifications. 3. Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.).			

4. Exterior grade products marked as meeting the PS-l or PS-2 standards of the Engineered Wood Association, the Australian ASINZS 2269 or European 636 35 standards. 5. Other methods acceptable to the enforcing agency.			
5.504.4.6 Resilient flooring systems. Comply with the VOC-emission limits defined in the 2012 CHPS criteria and listed on its High Performance Products Database; products compliant with CHPS criteria certified under the Greenguard Children & Schools program; certified under the F1oorScore program of the Resilient Floor Covering Institute; or meet California Department of Public Health 2010 Specification.			
A5.504.4.6.1 Verification of compliance. Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits.			
5.504.5;3 Filters. In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air that provides at least a MERV of 8. MERV 8 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual. Exceptions: I. An ASHRAE 10-percent to 15-percent efficiency filter shall be permitted for an HVAC unit meeting the 2013 California Energy Code having 60,000 Btulh or less capacity per fan coil, if the energy use of the air delivery system is 0.4 W tcfm or less at design air flow. 2.Existing mechanical equipment. S.S04.S.3.1 Labeling. Installed filters shall be clearly la-beled by the manufacturer indicating the MERV rating.			
5.504.7 Environmental tobacco smoke (ETS) control. Where outdoor areas are provided for smoking, prohibit smoking within 25 feet of building entries, outdoor air intakes and operable windows and within the building as already prohibited by other laws or regulations; or as enforced by ordinances, regulations, or policies of any city, county, California Community College, campus of the California State University, or campus of University of California, whichever is more stringent.			
Interior Moisture and Radon Control			
5.505.1 Indoor moisture control. Buildings shall meet or exceed the provisions of California Building Code, CCR, Title 24, Part 2, Sections 1203 and Chapter 14.1.1.			
Air Quality and Exhaust			
5.506.1 Outside air delivery. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 121 of the California Energy Code and Chapter 4 of CCR, Title 8 or the applicable local code, whichever is more stringent.			
5.506.2 Carbon dioxide (CO2) monitoring. For buildings or additions equipped with demand control ventilation, CO2 sensors and ventilation controls shall be specified and installed in accordance with the requirements of the California Energy Code, CCR. Section 120(c)(4).			
Environmental Comfort			
5.507.4 Acoustical control. Employ building assemblies and components with STC values determined in accordance with ASTM E90 and ASTM E 413 or OITC determined in accordance with ASTM E 1332, using either the prescriptive or performance method in Section 5.507.4.1 or 5.507.4.2.			

5.507.4.1 Exterior noise transmission, prescriptive method. Wall and floor-ceiling assemblies exposed to the noise source making up the building envelope shall have exterior wall and roof ceiling assemblies meeting a composite STC rating of at least 50 or a composite OITC rating of no less than 40 with exterior windows of a minimum STC of 40 or OITC of 30 in the locations described in Items I and 2. Also applies to addition envelope or altered envelope.			
5.507.4.1.1 Noise exposure where noise contours are not readily available. Buildings exposed to a noise level of 65 dB Leq-IHr during any hour of operation shall have exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC or rating of at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30). Also applies to addition or alteration exterior wall.			
5.507.4.2 Performance method. For buildings located as defined in Sections A5.S07.4.I or AS.S07.4.1.1, wall and roof-ceiling assemblies making up the building envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (Leq-IHr) of 50 dBA in occupied areas during any hour of operation. Also applies to addition envelope or altered envelope.			
5.507.4.2.1 Site features. Exterior features such as sound walls or earth berms may be utilized as appropriate to the project to mitigate sound migration to the interior. Also applies to addition envelope or altered envelope.			
5.507.4.2.1 Documentation of compliance. An acoustical analysis documenting complying interior sound levels shall be prepared by personnel approved by the architect or engineer of record.			
5.507.4.3 Interior sound transmission. Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40.			
Outdoor Air Quality			
5.508.1 Ozone depletion and global warming reductions. Installations of HVAC, refrigeration II and fire suppression equipment shall comply with Sections 5.508 .1.1 and 5.508.1.2. as applicable.			
5.508.1.1 CFCs. Install HVAC and refrigeration equipment that do~~es~~ not contain CFCs.			
5.508.1.2 Halons. Install tire suppression equipment that do~~es~~ not contain Halons.			
A5.508.1.3 Hydrochlorofluorocarbons (HCFCs). Install HVAC and refrigeration equipment that does not contain HCFCs.			
A5.508.1.4 Hydrofluorocarbons (HFCs). Install HVAC complying with either of the following: 1. Install HVAC, refrigeration and fire suppression equipment that do not contain HFCs or that do not contain HFCs with a global warming potential greater than 150. 2. Install HVAC and refrigeration equipment that 1irrrit the use of HFC refrigerant through the use of a secondary heat transfer fluid with a global warming potential no greater than 1.			

END OF ATTACHMENT #1

DIVISION 14 - CONVEYING EQUIPMENT

SECTION 14 2100 - ELECTRIC TRACTION ELEVATORS

SECTION INCLUDES

Complete electric traction elevator systems.
- Passenger type.
- Service type.

Elevator Maintenance Contract.

ADMINISTRATIVE REQUIREMENTS

Coordination:
- Coordinate work with other installers to provide necessary conduits for proper installation of wiring, including but not limited to, the following:
  - Elevator equipment devices remote from elevator machine room or hoistway.
  - Automatic transfer switch from controller cabinet.
  - Fire alarm panel from controller cabinet.
- Coordinate work with other installers for equipment provisions necessary for proper elevator operation, including but not limited to, the following:
  - Automatic transfer switches with auxiliary contacts for emergency power transfer status indication.
  - Shunt trip devices for automatic disconnection of elevator power prior to fire suppression system activation; include provisions for shunt trip power monitoring.
  - Overcurrent protection devices selected to achieve required selective coordination.

Preinstallation Meeting: Convene meeting at least one week prior to start of this work.

Construction Use of Elevator: Provide designated elevator for transport of construction personnel and materials in compliance with ASME A17.1.

SUSTAINABILITY SUBMITTALS

CAL-Green documentation and verification data as specified in Section 01 8114 - Sustainable Design Requirements - CAL-Green, for the following measures:
- 4.504.2.1 and 5.504.4.1 Adhesives and sealants.
- 4.504.2.2 and 5.504.4.3 Paints and coatings.
- 4.504.2.3 and 5.504.4.3.1 Aerosol paints and coatings.
- A5.212.1 Elevators. In buildings with more than one elevator provide systems and controls to reduce the energy demand of elevators and escalators as follows. Document systems operation and controls in the project specifications and commissioning plan.
  - A5.212.1.1 Elevators. Traction elevators shall have a regenerative drive system that feeds electrical power back into the building grid when the elevator is in motion.
  - A5.212.1.1.1 Car lights and fan. A parked elevator shall turn off its car lights and fan automatically until the elevator is called for use.
  - A5.212.1.4 Controls. Controls that reduce energy demand shall meet requirements of CCR, Title 8, Chapter 4, Subchapter 6 and shall not interrupt emergency operations for elevators required in CCR, Title 24, Part 2, California Building Code.

PROJECT CONDITIONS

Temporary Use of Elevators:
- The elevator shall not be used for building construction purposes except as directed after acceptance of the complete installation or after signing of Contractor's "Temporary Acceptance" form.

If Owner decides to use the elevators prior to completion of project, approval shall begin when elevators are accepted by Owner's Representative. Temporary use will not be considered final acceptance by the Owner or commencement of warranties.

MAINTENANCE

Temporary Interim Service:

When elevators have been installed to stage near completion and declared ready for service prior to completion and final acceptance of complete elevator system (start of maintenance and warranty periods), Owner may accept elevators for building use on interim basis.
During period prior to final acceptance, Contractor will pay mutually agreed amount for each day for each unit for maintenance of elevators accepted for interim use.
During interim service period, user shall provide protection of cabs, entrances, and fixture to prevent damage.

Initial Maintenance Service:

Maintain service of equipment for period of 12 months after date of final acceptance.
Examine monthly semi-monthly; clean, adjust, and lubricate equipment.
Repair or replace parts whenever required. Use parts produced by manufacturer of original equipment.
Perform work without removing cars from service during peak traffic periods.
Provide emergency call back service 24 hours a day, 7 days a week.

Continuing Maintenance Agreement:

Furnish proposal to Owner for continuing maintenance agreement.
Submit proposed maintenance agreement along with separate price to furnish complete maintenance for first year of continuing maintenance program of 5 years.
Upon execution of agreement with Owner, commence maintenance service on date when initial maintenance services are concluded.

Maintenance Tools: Provide manufacturer's proprietary diagnostic and maintenance software tools and/or equipment to Owner at no additional cost to Owner.

MANUFACTURERS

Basis of Design Electric Traction Elevators, Machine Roomless:

Otis Elevator Company; Gen 2 MRL: www.otis.com. ***Or equal.***
Other Preferred Manufacturers: Schindler, ThyssenKrupp, Dover

ELECTRIC TRACTION ELEVATORS

Electric Traction Passenger Elevator Machine Room-less:

Electric Traction Elevator Equipment:

Gearless Traction Machine: AC gearless machine, with a synchronous permanent-magnet motor, dual solenoid service and emergency disc brakes, mounted at the top of the hoistway.

Drive System:

Synchronous alternating current (AC) motors and variable voltage variable frequency (VVVF) drive.

Operation Control Type:

Group Automatic Operation Control.

Rated Net Capacity: 3500 lbs.
Rated Speed: 350 to 500 ft per minute.
Number of Stops: As indicated on drawings.
Traction Machine Location: As indicated on drawings.

PERFORMANCE REQUIREMENTS

Regulatory Requirements: Comply with ASME A17.1, applicable local codes, and authorities having jurisdiction (AHJ).

Accessibility Requirements: Comply with ADA Standards.

Elevators provided for passengers shall comply with CBC11B-407.

Seismic Performance: Elevator system shall withstand the effects of earthquake motions determined according to ASCE/SEI 7 and shall comply with elevator safety requirements for indicated Seismic Risk Zone in ASME A17.1/CSA B44.

MATERIALS

Rolled Steel Sections, Shapes, Rods: 1.

Steel Sheet: 1, Designation CS (commercial steel), with matte finish.

Stainless Steel Sheet: 1, Type 304; No. 4 Brushed finish unless otherwise indicated.

Extruded Aluminum: 2 and 1, natural anodized finish unless otherwise indicated.

Plywood: Structural I, Grade C-D or better, sanded.

OPERATION CONTROLS

Elevator Controls: Provide landing operating panels and landing indicator panels.
Landing Operating Panels: Metallic type, one for originating "Up" and one for originating "Down" calls, one button only at terminating landings; with illuminating indicators.
Landing Indicator Panels: Illuminating.

Interconnect elevator control system with building security, fire alarm, card access, smoke alarm, and building management control systems.

OPERATION CONTROL TYPE

Group Automatic Operation Control: Applies to cars in two or more elevator shafts, with microprocessor and multicar operation.
Refer to description provided in ASME A17.1.
Include group automatic operation controls responsive to variations of traffic demand.
Allow only one car to stop in response to any one landing call.

EMERGENCY POWER

Group Battery-Powered Automatic Evacuation: If power fails, cars that are at a floor remain at that floor, open their doors, and shut down. Cars that are between floors are moved one at a time to the next floor above or below, open their doors, and shut down. System includes rechargeable battery and automatic recharging system.

Set-up elevator operation to run with building emergency power supply when the normal building power supply fails, and in compliance with ASME A17.1 requirements.

MATERIALS

Rolled Steel Sections, Shapes, Rods: ASTM A36/A36M.

Steel Sheet: ASTM A1008/A1008M, Designation CS (commercial steel), with matte finish.

Sheet Steel: Hot-dipped galvanized steel sheet, ASTM A653/A653M, with G90/Z275 coating.

Stainless Steel Sheet: ASTM A666, Type 304; No. 4 Brushed finish unless otherwise indicated.

Stainless Steel Bars, Shapes and Moldings: ASTM A276/A276M, Type 304.

Extruded Aluminum: ASTM B221 (ASTM B221M), natural anodized finish unless otherwise indicated.

Plywood: PS 1, Structural I, Grade C-D or better, sanded.

CAR AND HOISTWAY ENTRANCES

Elevator:
Car and Hoistway Entrances, Each Elevator Floor Lobby:
Framed Opening Finish and Material: Brushed stainless steel.
Car Door Material: Stainless steel, with rigid sandwich panel construction.
Hoistway Door Material: Stainless steel, with rigid sandwich panel construction.

CAR EQUIPMENT AND MATERIALS

Elevator Car:
Car Operating Panel: Provide main; flush-mounted applied face plate, with illuminated call buttons corresponding to floors served with "Door Open/Door Close" buttons, "Door Open" button, "Door Close" button, and alarm button.
Panel Material: Integral with front return; one per car.
Car Floor Position Indicator: Above car operating panel with illuminating position indicators.
Design Builder to coordinate with the University for final finish selection.
~~Flooring: As indicated on Finish Schedule.~~
~~Front Return Panel: Match material of car door.~~
~~Door Wall: Stainless steel.~~
~~Side Walls: Plastic laminate on plywood.~~
~~Rear Wall: Plastic laminate on plywood.~~
~~Reveals: Painted black.~~
Hand Rail: Stainless steel, at all three sides. Provide open clearance space 1-1/2 inch (38 mm) wide to face of wall.
Flat Bar Stock, Solid: 3/8 inch thick by 2 inches high.
Stainless Steel Finish: No. 4 Brushed.
Ceiling:
~~As indicated on Finish Schedule.~~
Concealed Frame Suspended Ceiling: Stainless steel, mount 7 inch below car canopy with 1-1/2 inch nominal space between edge of ceiling and wall.

SECTION 14 2400 - HYDRAULIC ELEVATORS

SECTION INCLUDES

Complete hydraulic elevator systems.
Passenger type.

Elevator Maintenance Contract.

ADMINISTRATIVE REQUIREMENTS

Coordination:
Coordinate work with other installers to provide conduits necessary for installation of wiring including but not limited to:
Elevator equipment devices remote from elevator machine room or hoistway.
Remote group automatic panel in lobby from controller cabinet.
To elevator pit for lighting and sump pump.
Automatic transfer switch from controller cabinet.
Fire alarm panel from controller cabinet.
Coordinate work with other installers for equipment provisions necessary for proper elevator operation, including but not limited to, the following:

Automatic transfer switches with auxiliary contacts for emergency power transfer status indication.
Shunt trip devices for automatic disconnection of elevator power prior to fire suppression system activation.
Overcurrent protection devices selected to achieve required selective coordination.

Preinstallation Meeting: Convene meeting at least one week prior to start of this work.

MANUFACTURERS

Basis of Design Hydraulic Elevators:

HYDRAULIC ELEVATORS

Hydraulic Elevator:
Hydraulic Elevator Equipment:
Machine Room Less elevator.
Holeless hydraulic with cylinder mounted within hoistway.
Drive System:
Variable voltage variable frequency (VVVF) to modulate motor speed.
Rated Net Capacity: 3500 lbs.
Rated Speed: 125 ft per minute.
Number of Stops: As indicated on drawings.
Hydraulic Equipment Location: As indicated on drawings

PERFORMANCE REQUIREMENTS

Regulatory Requirements: Comply with ASME A17.1, applicable local codes, and authorities having jurisdiction (AHJ).

Accessibility Requirements: Comply with ADA Standards.

Elevators provided for passengers shall comply with CBC11B-407.

Seismic Performance: Elevator system shall withstand the effects of earthquake motions determined according to ASCE/SEI 7 and shall comply with elevator safety requirements for indicated Seismic Risk Zone in ASME A17.1/CSA B44.

SYSTEMS AND COMPONENTS

Pump Units: Positive-displacement type with a maximum of 10 percent variation between no load and full load and with minimum pulsations.
Pump: Manufacturer's standard, submersible type with submersible squirrel-cage induction motor, and shall be suspended inside oil tank from vibration isolation mounts.
Motor: Solid-state starting, variable-voltage, variable-frequency control.

Hydraulic Silencers: System shall have hydraulic silencer containing pulsation-absorbing material in blowout-proof housing at pump unit.

Piping: Size, type, and weight of piping as recommended by elevator manufacturer, with flexible connectors to minimize sound and vibration transmissions from power unit.
Cylinder units shall be connected with dielectric couplings.
Casing for Underground Piping: Schedule 40 PVC pipe complying with ASTM D 1785, joined with PVC fittings complying with ASTM D 2466 and solvent cement complying with ASTM D 2564.

Hydraulic Fluid: Nontoxic, biodegradable, fire-resistant fluid, made from vegetable oil with antioxidant, anticorrosive, antifoaming, and metal-passivating additives, that is approved by elevator manufacturer for use with elevator equipment.

Car Frame and Platform: Welded steel units.

Guides: Roller guides. Provide guides at top and bottom of car frame.

OPERATION CONTROLS

General: Provide manufacturer's standard microprocessor operation system as required to provide type of operation indicated.

Elevator Controls: Provide landing operating panels and landing indicator panels.
Landing Operating Panels: Metallic type, one for originating "Up" and one for originating "Down" calls, one button only at terminating landings; with illuminating indicators.
Landing Indicator Panels: Illuminating.

Interconnect elevator control system with building fire alarm, smoke alarm, and building management control systems.

OPERATION CONTROL TYPE

Selective Collective Automatic Operation Control: Applies to car in single elevator shaft.
Refer to description provided in ASME A17.1.
Automatic operation by means of one button in the car for each landing served and by "UP" and "DOWN" buttons at the landings.
Stops are registered by momentary actuation of landing car buttons without consideration of the number of buttons actuated or the sequence buttons are actuated, but the stops are made in the order that landings are reached in each direction of travel.
All "UP" landing calls are made when car is traveling in the up direction.
All "DOWN" landing calls are made when car is traveling in the down direction.
Uppermost and lowermost calls are answered as soon as they are reached without consideration of the car travel direction.

EMERGENCY POWER

MATERIALS

Rolled Steel Sections, Shapes, Rods: ASTM A36/A36M.

Steel Sheet: ASTM A1008/A1008M, Designation CS (commercial steel), with matte finish.

Sheet Steel: Hot-dipped galvanized steel sheet, ASTM A653/A653M, with G90/Z275 coating.

Stainless Steel Sheet: ASTM A666, Type 304; No. 4 Brushed finish unless otherwise indicated.

Stainless Steel Bars, Shapes and Moldings: ASTM A276/A276M, Type 304.

Plywood: PS 1, Structural I, Grade C-D or better, sanded.

CAR AND HOISTWAY ENTRANCES

Elevator, No. 1:
Car and Hoistway Entrances:
Framed Opening Finish and Material: Brushed stainless steel.
Car Door Material: Stainless steel, with rigid sandwich panel construction.
Hoistway Door Material: Stainless steel, with rigid sandwich panel construction.

CAR EQUIPMENT AND MATERIALS

Elevator Car:
Car Operating Panel: Provide main; flush-mounted applied face plate, with illuminated call buttons corresponding to floors served with "Door Open/Door Close" buttons and alarm button.
Panel Material: Integral with front return; one per car.
Car Floor Position Indicator: Above door with illuminating position indicators.
Design Builder to coordinate with the University for finish selection

~~**Flooring: As indicated on Finish Schedule.**~~

~~**Wall Base: Recessed stainless steel, 4 inch high.**~~

~~**Front Return Panel: Match material of car door.**~~

~~**Door Wall: Plastic laminate on plywood.**~~

~~**Side Walls: Plastic laminate on plywood.**~~

~~**Rear Wall: Plastic laminate on plywood.**~~

Hand Rail: Aluminum, at all three sides. Provide open clearance space 1-1/2 inch (38 mm) wide to face of wall.

Flat Bar Stock, Solid: 1/2 inch by 2 inches.

Stainless Steel Finish: No. 4 Brushed.

Ceiling:

Canopy Ceiling: Stainless steel.

Downlight type, metal pans with suspended LED downlights.

UCR | Planning, Design & Construction

Project Name: Student Success Center
Project Number: 950512
Addendum No. 1, January 18, 2018
Addendum No. 2, February 1, 2019
Addendum No. 5, February 14, 2019
Addendum No. 6, February 22, 2019
Addendum No. 8, March 1, 2019
Addendum No. 9, March 11, 2019
Addendum No. 10, March 18, 2019
Addendum No. 12, March 25, 2019
Addendum No. 13, March 28, 2019
Addendum No. 14, April 3, 2019
Addendum No. 16, April 19, 2019
Addendum No. 18, May 08, 2019

UNIVERSITY FURNISHED INFORMATION

The following information is made available for the convenience of Proposers and is not a part of the Contract. The information is provided subject to the provisions of subparagraph 3.1.1 of the General Conditions.

Issued electronically on the "Request for Proposals" CD
(Located behind the first tab of this binder)

PREVAILING WAGES

General Prevailing Wage Determinations and information can be accessed at www.dir.ca.gov or by contacting University's principal Facility office.

DESCRIPTION

No.	Title:	Prepared by:	Date:
1.	**AS-BUILTS**		
A.	Fine Arts Seismic Facility	Fields Devereaux Architects & Engineers	April 27, 1998
B.	Physical Education Building	Arthur Froehlich, AIA, Architect	April 28, 1952
C.	Physical Education Building Room 102 Alterations for Dance	Cashion Horie Cocke Gonzales Architects, Inc. (CHCG)	June 1986
D.	CHASS-Instruction & Research Facility	PEI Cobb Freed & Partners	March 20, 2008
E.	Administration Building (Hinderaker)	Allison and Rible Architects	January 27, 1961
F.	Humanities and Social Sciences Unit 1	Cesar Pelli & Associates	August 10, 1993
G.	Classroom and Office Unit 1 (Sproul)	Douglas Honnold FAIA, John Rex, FAIA, Architects and Associates	June 2, 1965
H.	Student Academic Support Services Building	Sasaki	March 2009
2.	**UCR MOBILITY HUB AND CENTRAL CAMPUS LINKAGES**		
A.	UCR Mobility Hub and Central Campus Linkages – Scope 1 Report	Gruen Associates	December 21, 2017
B.	UCR Mobility Hub and Central	Gruen Associates	December 21, 2017

DESCRIPTION			
No.	**Title:**	**Prepared by:**	**Date:**
	Campus Linkages – Appendices		
3.	**STUDENT SUCCESS CENTER VISIONING WORKSHOP**		
A.	UCR Student Success Center Visioning Workshop Capital Asset Strategies	Capital Planning	April 20, 2017
B.	UCR Student Success Visioning Workshop – Site Selection Study Handout	UCR Capital Planning	April 20, 2017
4.	**UCR 2005 LRDP AND AMENDMENTS**		
A.	Long Range Development Plan 2005	UCR Office of Academic Planning & Budget; Capital & Physical Planning with the assistance of: BMS Design Group	November 2005
B.	2005 Long Range Development Plan Amendment 2	UCR Finance & Business Operations Capital Resource Management	November 2001
C.	2005 LRDP Amendment 3 Campus Infrastructure Overlay Land Use Designation		September 2013
5.	**TOPOGRAPHIC SURVEY**		
	University of California, Riverside Student Success Center Topographic Survey	IMEG	July 13, 2018
6.	**GEOTECHNICAL REPORTS**		
A.	Proposed Student Success Center UCR Project No. 958056	Twining	December 17, 2018
B.	Geotechnical Engineering Evaluation Report Pierce Hall Classroom Addition and Building Renovation Project	Twining	July 8, 2016

D.	Geotechnical Investigation Proposed Interdisciplinary Studies Building Riverside Campus		
E	Geotechnical Observation of Grading and Field Density Test Results Report Proposed College of Humanities Arts and Social Sciences (CHASS) Buildings – Instruction & Research Facility	Converse Consultants	September 21, 2006

7.	**PHYSICAL DESIGN FRAMEWORK**		
	Physical Design Framework		2009/10 – 2018/2019
8.	**UC BOARD OF REGENTS**		
	Regents Policy 4400: Policy on University of California Diversity Statement	University of California Board of Regents	Adopted September 20, 2007 Amended September 16, 2010
9.	**STUDENT SUCCESS CENTER CLASSROOM COMPONENT SUMMARY OF FEEDBACK**		
	Student Success Center Classroom Component Summary of Campus Feedback	UCR Office of the Provost and Executive Vice Chancellor	May 2017
10.	**STUDENT SUCCESS CENTER SITE SELECTION STUDY**		
	Site Selection Study Student Success Center Building	UCR Capital Asset Strategies	June 16, 2017
11.	**UC SUSTAINABLE PRACTICES POLICY**		
	UC Policy on Sustainable Practices	University of California	Issuance Date: July 1, 2004 Effective Date: August 10, 2018

12.	**UCR CAMPUS PROCESS: GENDER INCLUSIVE FACILITIES 2015**		
	UCR Campus Process: Gender Inclusive Facilities 2015	Associate Vice Chancellor / Campus Architect Architect & Engineers	November 1, 2015
13.	**UCR CENTRAL CAMPUS NEIGHBORHOOD STUDY**		
	UCR Central Campus Neighborhood Study	HKS Spurlock	April 12, 2017
14.	**UCR PHYSICAL MASTER PLAN STUDY**		
	UCR Physical Master Plan Study		May 17, 2016
15.	**UCR PRINCIPLES OF COMMUNITY**		
	UCR Principles of Community		
16.	**UCR DINING SERVICES**		
	Warm Shell Tenant Improvement Space Guideline	UCR Dining Services	March 16, 2018
17.	**UCR RIVERSIDE SITE FEASIBILITY REPORT**		
	UCR Site Feasibility Report	Steinberg Hart	January 2018
18.	**UTILITY MAPS**		
A..	Student Success Center 100 PSI Air Controls Approximate Locations (Draft)		10/9/18
B.	Student Success Center 100 PSI Steam Controls Approximate Locations (Draft)		10/9/18
C.	Student Success Center Chilled Water Line Approximate Locations (Draft)		10/8/18
	Student Success Center		10/8/18

D.	Natural Gas Line Approximate Locations (Draft)	
E.	Student Success Center Storm Drain Manholes (Surveyed – 2014) Storm Drain Line (Approximate Locations) (Draft)	10/8/18
F.	Student Success Center Existing Electric Distribution (Draft)	10/9/18

19.	**DAART ENGINEERING FLOW TEST**	
	Daart Engineering Flow Test UCR Student Success Center	6/7/18

20.	**UCR CAMPUS STANDARDS - DRAFT**	
	Div. 3 – Concrete	Revised April 17, 2018
	Div. 4 - Masonry	January 14, 2018
	Div. 5 – Metal	January 14, 2018
	Div. 6 – Wood, Plastics and Composite	January 18, 2018
	Div. 7 – Thermal and Moisture Protection	January 14, 2018
	Div. 8 – Openings	Revised March 21, 2018
	Div. 9 – Finishes	January 14, 2018
	Div. 10 - Specialties	March 12, 2018
	Div. 11 – Equipment	Revised April 15, 2018
	Div. 12 – Furnishings	November 30, 2015
	Div. 13 – Special Construction	January 14, 2018
	Div. 14 – Conveying Systems	January 14, 2018
	Div. 15 – Operation and Maintenance Manuals	
	Div. 21 – Fire Suppression	Revised April 25, 2018
	Div. 22 – Plumbing	Revised April 17, 2018
	Div. 23 – HVAC	March 28, 2018
	Div. 25 – Integrated Automation	Revised March 13, 2018

	Div. 26 - Electrical	January 24, 2018
	Div. 27 – Communications	January 24, 2018
	Div. 28 – Electronic Safety and Security	January 24, 2018
	Div. 31 – Site Work	January 2016
	Div. 32 – Exterior Improvements	March 2016
	Div. 33 – Site Utilities	January 2018

21. SEWER CAPACITY STUDY

	UC Riverside Physical Master Plan Study Appendix 6.8-A Sanitary Sewer Calculations	

22. UCR 2020 - FINAL

	UCR 2020 The Path to Preeminence	July 2010

23. UCR LANDSCAPE SERVICES DEPT. LANDSCAPE- IRRIGATION GUIDELINES 2012

	UCR Landscape Services Dept. Landscape-Irrigation Guidelines 2012	2012

24. TREE INVENTORY REPORT

	Tree Inventory Report University of California, Riverside Student Success Center Project	Tricia D. Thrasher University of California, Riverside Campus Planning Capital Asset Strategies Psomas	May 9, 2018

25. IMPLEMENTATION OF UC GENDER INCLUSIVE FACILITIES POLICY AT UC RIVERSIDE - MEMO

	Implementation of UC Gender Inclusive Facilities Policy at UC Riverside - Memo	To: Gerry Bomotti, Vice Chancellor, Planning and Budget From: Jacqueline Norman, Campus Architect & Robert Keith Williams, Certified Building Official	September 18, 2018

26.	**UCR CAMPUS CONTEXT**		
	UCR Campus Context (Exemplary Examples / Non-Exemplary Examples	UCR Planning Design & Construction	2019
27.	**WEPA LOW PRINT STATION SPECIFICATIONS**		
	WEPA Low Profile Print Station Specifications	WEPA	
28.	**LAPTOP KIOSK CONFIGURATION**		
	Laptop Kiosk Configuration	Laptops Anytime	
29.	**UCR CAMPUS V2018 UPDATES CADD DRAWINGS AND SUPPORTING DOUMENTATION**		
A.	UCR Campus v2018 Update Auto CADD Drawings		
B.	University California, Riverside Aerial Target Ground Control Survey Report Job #2011018.003		March 2015
C.	UCR Campus Control Survey – Sheet 1 of 2	Hillwig – Goodrow, Inc.	December 2013
D.	UCR Campus Control Survey – Sheet 2 of 2	Hillwig – Goodrow, Inc.	December 2013
E.	UCR Data Delivery Standards for UCR Planning, & Design Projects Capital Programs		March 13, 2015
F.	UCR Horizontal and Vertical Accuracy of Campus Spatial Data (GIS) (Memorandum)		May 22, 2013
G.	UC Riverside Campus Control Points	Hillwig – Goodrow, Inc.	December 2013
H.	UCR Campusv2017 Updates	UCR	July 2017

30.	**MOBILITY HUB AND CENTRAL CAMPUS LINKAGES**		
	Mobility Hub and Central Campus Linkages – 100% Construction Document Bid Set	Gruen Associates	January 10, 2019
31.	**BICYCLE MASTER PLAN EXCERPT**		
	Bicycle Master Plan Excerpt		
32.	**TOPO SURVEY CAD DRAWINGS**		
	TOPO Survey CAD Drawings		July 30, 2018
33.	**CAMPUS COMMUNICATIONS DRAWINGS**		
A.	Typical BDF Wall Elevation Layout – Rack Power - Plan & Elevation	UCR	
B.	Typical Details – Communications Symbols and Telephone/Data Subscript Schedule	UCR	
C.	Typical Details – Details A through F	UCR	
D.	Typical Details – Typical 3 Data Rack BDF and IDF Front Elevation Views	UCR	
E.	Typical Details – Typical BDF and IDF Telecom Room Requirements	UCR	
F.	Typical Details – Work Station Outlet Labeling Detail and Patch Panel / 110 Block Labeling Plan	UCR	
34.	**UCR POLICIES, GUIDELINES & STANDARDS**		
A.	Communications Infrastructure Planning Guidelines Version – November 23, 2015	UCR	November 23, 2015

B.	PPSM 84: Accommodations for Nursing Mothers	University of California	December 10, 2018
C.	UCR Healthy Campus Initiative Healthy Workplace Checklist		
D.	UCR Building, Room Numbering Standards	Facilities Management	October 2006

35. UCR CAMPUS ELECTRICAL DRAWINGS AND DIAGRAMS

A.	UCR Site Electrical Distribution 12 kv Single Line Diagram (E-2, 1 of 3)	UCR	October 19, 2015
B.	UCR Site Electrical Distribution Combined Diagrams (E-2, E2.1 & E2.2)	UCR	October 19, 2015
C.	UCR Site Electrical Distribution Parking Lot 30 Substation 4.16 kv Single Line Diagram (E2.1, 2 of 3)	UCR	October 19, 2015
D.	UCR Site Electrical Distribution Steam Plant 4.16 kv Single Line Diagram (E2.2, 3 of 3)	UCR	October 19, 2015
E.	UCR Existing Electrical Site Plan 2015 Partial UCR Campus Map Electrical Distribution (E-4, 1 of 1)	UCR	October 14, 2019

36. UC RIVERSIDE CAMPUS SIGN PROGRAM

A.	UC Riverside Campus Sign Program, 100% Package	Hunt Design	August 3, 2012

37. UC RIVERSIDE BUDGET PLANNING DOCUMENT

A.	UC Riverside Budget Planning Document for Network Electronics Student Success Center 100% Description Design & Criteria	UC Riverside Computing and Communications	May 30, 2018

38. UCR TUNNEL AND VAULT DRAWINGS

A.	Tunnel, Vault & Bldg. Map	UC Riverside	October 2016
	Chilled Water System		March 2012
	High Pressure Condensate		May 2012
	Pumped Condensate		May 2012
	100 PSI Steam		May 2012
	100 PSI Compressed Air		May 2012
	Natural Gas		May 2012

39. DINING SERVICES VENUE: CONCEPT PLAN

A.	UC Riverside Student Success Center Dining Services Venue: Concept Plan Project Number: 950512		

40. UCR NORTH DISTRICT DINING DRAWINGS

A.	UCR Food Lab North District Riverside, CA (Drawings K-01, K-02 & K-02.1)	Clay Enterprises	January 17, 2019

41. WALKER MACY UCR PLANT LIST REVIEW

A.	Walker Macy UCR Plant List Review		

42.	**BENCHMARK-BASED, WHOLE-BUILDING ENERGY PERFORMANCE TARGETS FOR UC BUILDINGS**		
A.	Benchmark-based, Whole-Building Energy Performance Targets for UC Buildings	California Institute for Energy and Environment	March 2014
43.	**DESIGN HANDBOOK FOR LOW IMPACT DEVELOPMENT – BEST MANAGEMENT PRACTICES**		
A.	Design Handbook for Low Impact Development Best Management Practices	Riverside County Flood Control and Water Conservation District	September 2011
44.	**EFFICIENCIES AND EQUIPMENT INFORMATION**		
A.	2018 Steam Plant	UCR	January 2018 – December 2018
B.	Central Plant Efficiencies	UCR	
C.	Steam Plant Equipment	UCR	
45.	**EXTERIOR LIGHTING – LIGHT POLE EXHIBIT**		
A.	Student Success Center LW1 Exterior Lighting – Light Pole Exhibit Project No. 950512	Selux	
46.	**UCR EMERGENCY PHONE**		
A.	Code Blue – CB 5-s Product Sheet	Code Blue	
47.	**UCR EAST CAMPUS ELECTRICAL DISTRIBUTION SYSTEM REVIEW**		
A.	University of California, Riverside East Campus Electrical Distribution System Review	P2S	October 31, 2011

48. CAMPUS UTILITY SURVEY 2014

A. Utility Diagrams

1. Electrical
2. Storm
3. Campus Utility Survey Zone Map Draft

B. Utility Survey 2015

1. Survey Electrical
2. Survey Sewer
3. Survey Storm
4. Control Points Dec. 2013

C. Data Delivery Standards for UCR Planning & Design Project, Capital Projects — March 13, 2015

49. ITS TUBE DRAWINGS

A. ITS Tube Drawings

50. IRRIGATION DIAGRAMS

A. Student Success Center
950512
Irrigation Diagrams

51.	**COST ESTIMATES**		
A.	University of California, Riverside Riverside, California Student Success Center Programming Estimate	Campbell-Anderson & Associates, Inc.	August 6, 2018
B.	Program Cost Model University of California, Riverside Student Success Center Riverside, California	RLB / Rider Levett Bucknall	August 6, 2018
C.	Expected Design Build Costs UCR Student Success Center ROM	Abbott Construction	September 13, 2018
52.	**UCR PHYSICAL MASTER PLAN STUDY**		
A.	UC Riverside Physical Master Plan Study Appendix 6.8-A Sanitary Sewer Calculation		
53.	***LECTURE HALL FURNITURE PRODUCTS***		
A.	***M-Series: Lecture Hall Furniture***	***Sedia Systems Inc.***	***2017***
B.	***Beam and Jury-Series***	***Sedia Systems Inc.***	***2017***
54.	***UNMANNED AIRCRAFT SYSTEMS- INSURANCE REQUIREMENTS***		
A.	***University of California UAS Liability Insurance and 3rd Party Minimum***	***University of California- Center for Excellence***	***August 2, 2016***

M Series

sediasystems

unique. custom. innovative.

Created exclusively for Sedia Systems by award winning designer James Morrow, the M Series is ideal for today's higher education and corporate learning environments. Characterized by its flexible features and contemporary design, the M Series is available in both swing away seating or fixed table configurations. This system can adapt to any room layout by utilizing straight or curved rows, on flat, sloped or tiered floors. Explore the infinite options available with the unrivaled M Series.

Highlighting Design

Seat Styles

Numerous seat options to meet the needs of any lecture or training room.

Power/Data/USB Modules

Choose from a variety of surface mounted pop-up or undermount power, power/data or power/USB modules.

Flat Oval Tubing

Sleek oval tube, made from 11 gauge steel, provides a durable structure with contemporary styling.

Foot Cover

Rigid plastic covers conceal unsightly floor anchors enhancing system aesthetics.

Torsion Spring

Arm mechanism components deliver consistent seat return position.

FSC www.fsc.org FSC® C041423 The mark of responsible forestry

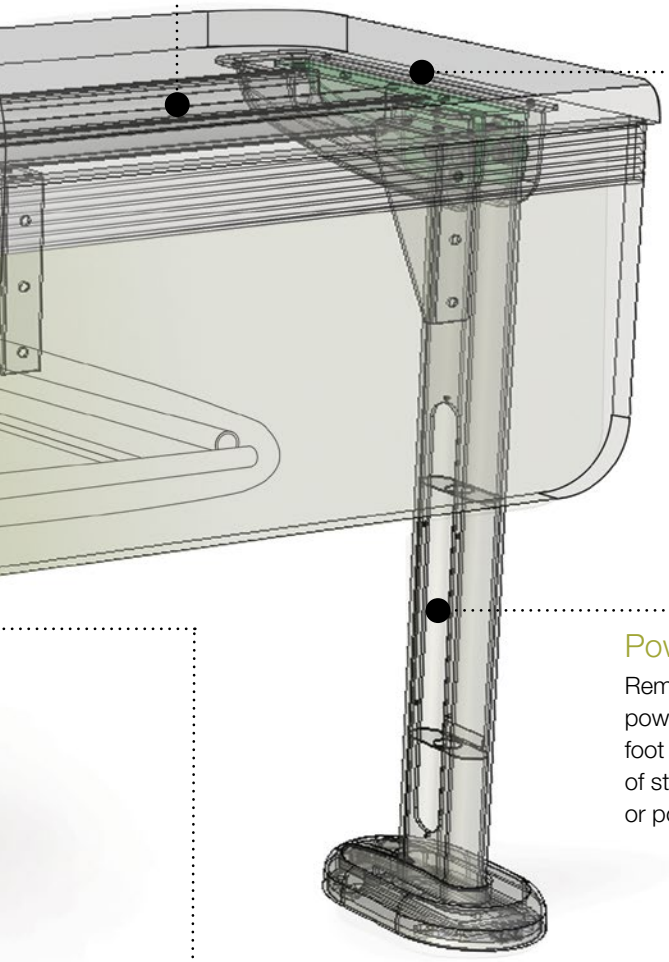
RAINFOREST ALLIANCE CERTIFIED

C ETL LISTED US Intertek

VOC+ ETL LISTED Intertek Environmental

Wire Management

Under mounted raceway and covers are designed to keep cables out of view and protect them from external tampering, while complementing the M Series design.



Adjustable Support Brackets

Height and pitch adjustability eliminates the need for shims on uneven floors, delivering level work surfaces on every installation.

Power/Data Support Pedestal

Removable panel allows access for both power and data connections. The raised foot plate accommodates minor variations of stub-up locations, minimizing pedestal or power/data relocation.

Auto-Return Cylinder

Rotating cylinder returns chair square with table and provides height adjustability, automatically restoring chair to original orientation when unoccupied.

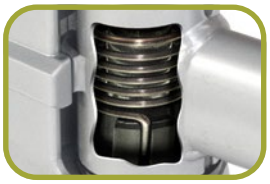
Adjustable Support Brackets

Power/Data Support Pedestal

Wire Management

Power/Data/USB Modules

Auto-Return Cylinder

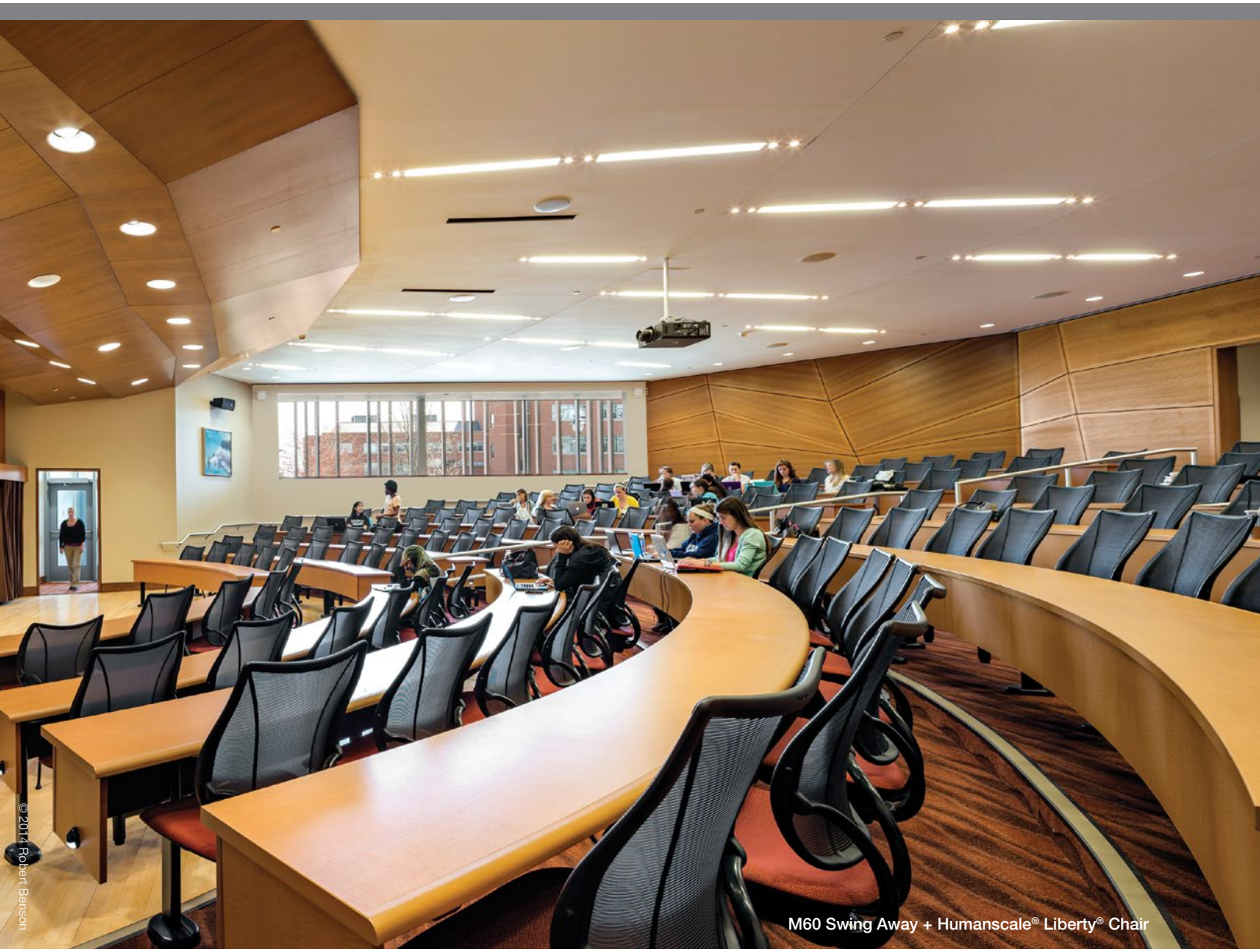


Torsion Spring

Creating Environments

The M Series' innovative design and outstanding versatility make it stand apart from the competition. M50 fixed tables allow flexible loose seating configurations while the M60 swing away system incorporates a self-centering seat return that provides consistent seat count and room uniformity. From maximizing collaboration to maximizing capacity, the M Series offers seemingly infinite options that optimize room functionality.

M60 Swing Away



M60 Swing Away + Humanscale® Liberty® Chair

M50 Fixed Table

M50 Fixed Tables + Turandot Task Chair

M60 Swing Away + Tecton Chair

Options

Create the ideal learning environment by choosing from a wide variety of seat styles, edge styles, modesty panels and pedestal paint colors.

Seat Styles


2thrive™


Turandot


Ply


Tecton


Cinto®


Diffrient World™


Liberty®


Freedom®

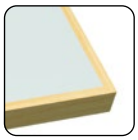

Freedom®
Saddle/Pony Saddle

Edge Styles


3mm


T-Mold


Urethane


Solid Wood

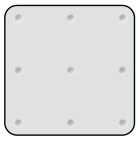
Modesty Panels


Laminate or Veneer


Perforated Laminate or Veneer


Round Perforated Metal


Square Perforated Metal

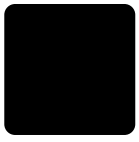

Dimpled Metal


Acrylic


Felt

Pedestal Paint Colors


Silver


Black


Anthracite

Almond


Champagne


Taupe

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Beam & Jury Series

sediasystems

Beam + Ply Chair

Beam + Tecton Chair

Single Pedestal +Turandot Chair

Beam & Pedestal

The stylish and versatile Beam Series offers remarkable space savings, while maintaining order in learning and training environments. Configurable in single pedestal, two, three or four seat sections with multiple seating styles, this series fits a wide variety of applications.

STANDARD SEATS: Turandot, 2thrive,™ Gnosi,® Ply, Tecton

2thrive™ Beam

Tecton Single Pedestal

Wire Management

Jury

The Jury Base Series incorporates 360-degree rotation, creating maximum flexibility to collaborate within the learning environment. It's self-centering return feature automatically restores the chair to its original orientation when unoccupied. Offering multiple styles of pedestal mounted seating, this series is functional in lecture halls, training rooms, and courtroom applications.

STANDARD SEATS: Turandot, 2thrive,™ Gnosi,® Ply, Tecton, Cinto,® Diffrient World,™ Liberty,® Freedom,® Freedom Saddle®

Ply Jury

Cinto Jury

Features

- Multiple Seat Styles
- Integrated Foot Covers
- Auto-return Cylinder (Jury)
- Straight or Radius Row Configurations
- Flat, Sloped or Tiered Floor Installations

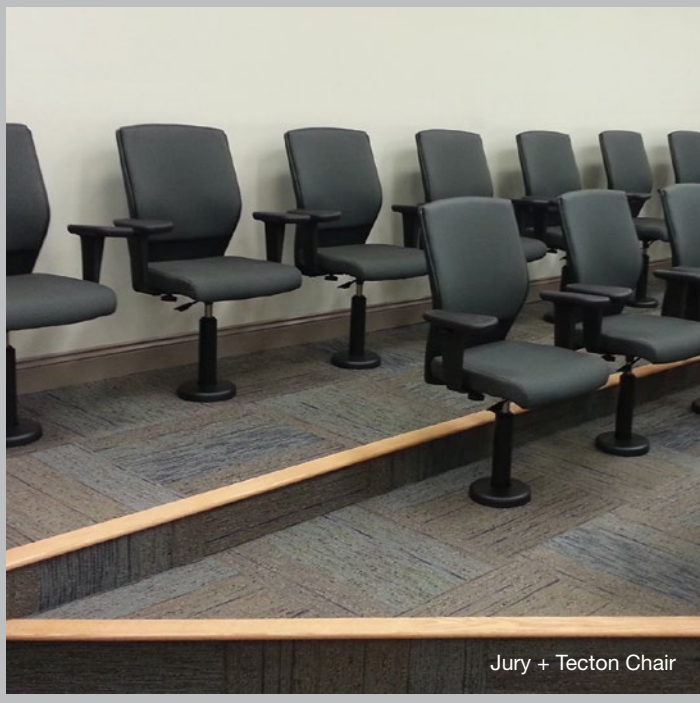
Options

- Tablet Arm
- Wire Management
- Armrests
- Row Letters & Seat Numbers

Finishes

- TEXTILES: Fabric or Coated Fabric
- TABLET ARM: Black Tablet, Cast Aluminium Arm and Urethane Armrest
- FRAME: Charcoal (Beam), Black (Jury)

Jury + Turandot Chair

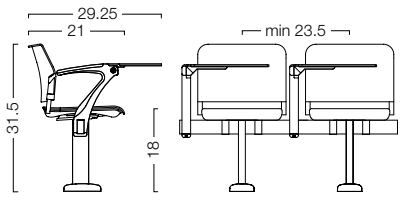


Jury + Tecton Chair

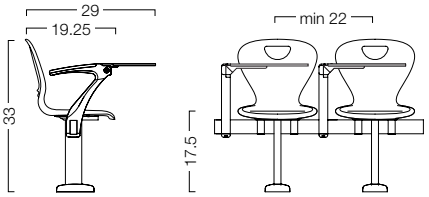
Beam and Jury + Turandot Chair

Specifications

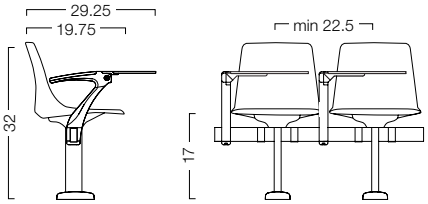
Turandot Beam



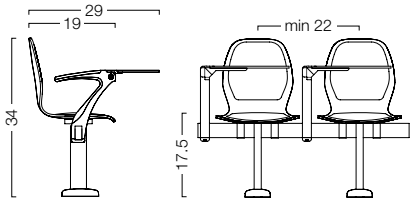
2thrive™ Beam



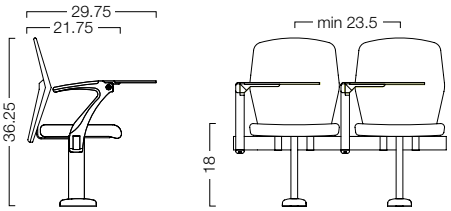
Gnosi® Beam



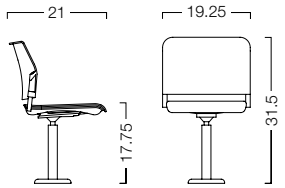
Ply Beam



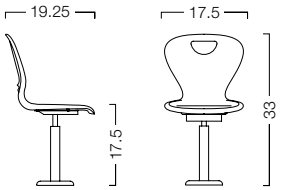
Tecton Beam



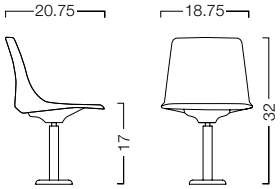
Turandot Jury



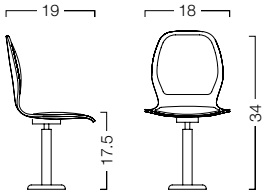
2thrive™ Jury



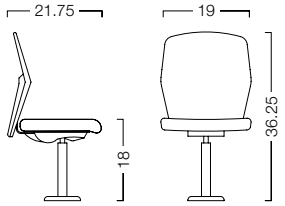
Gnosi® Jury



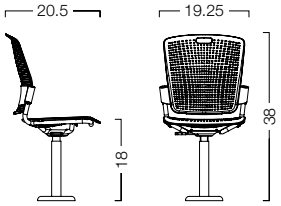
Ply Jury



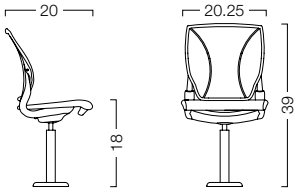
Tecton Jury



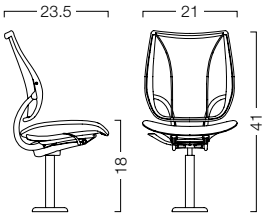
Cinto® Jury



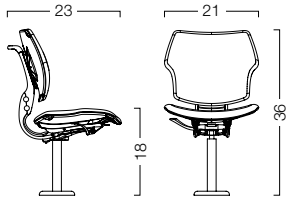
Diffrient World™ Jury



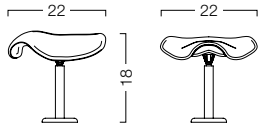
Liberty® Jury



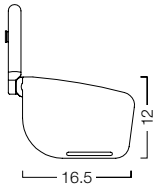
Freedom® Jury



Freedom® Saddle Jury



Tablet Arm



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UNMANNED AIRCRAFT SYSTEM SAFETY

University of California UAS Liability Insurance and 3rd Party Minimum

Unmanned Aircraft Systems are an emerging risk for the University of California. To address protect the university and its visitors, UAS liability insurance is mandatory for all UAS activity by University employees and all operations of UAS on University owned property.

~~**Insurance Coverage for UC-owned Unmanned Aircraft Systems**~~

~~The University of California has purchased an Unmanned Aircraft Liability Policy. This policy has a total of $5 Mil limit with a $1 Mil Personal Injury sublimit and $1 Mil Products/Completed Operations sublimit.~~

~~Coverage is automatic for UAS's that meet the following criteria:~~

- ~~Aircraft weight under 55 lbs (at time of takeoff)~~
- ~~Flight operations are within Line of Sight~~
- ~~Flight operations are below 400 ft above ground level.~~
- ~~Flight operations are conducted on behalf and sanctioned by the University of California.~~
- ~~Flight operations must be conducted within the United States.~~

~~Any UAS's that do not meet the above criteria or operate outside the above criteria must be reported to and approved by the insurance underwriter in order to be covered.~~

~~In addition, the insurance only covers UC-owned equipment and not personally owned items used for UC business (for example, faculty using a privately owned vehicle for his research). A personally-owned UAS intended for use in University business must be reported to and approved by the underwriter in order to be covered.~~

Insurance Minimums for 3rd Party UAS Operators

All 3rd Party UAS Operators, including on behalf of the University or other users of campus space, must have liability insurance with a preferred limit of $5 Mil. In addition to the limit that is provided by the UAS operator, a certificate of insurance along with a copy of the endorsement listing the following insurance clauses should be issued prior to commencement of services:

i. Name The University and its directors, officers, employees, servants and agents (collectively, the "Indemnified Parties" and individually, the "Indemnified Party") as additional insureds, as their respective interests may appear
ii. The operator's insurance shall be primary without any right of contribution from any other insurance available to The University
iii. Include a cross liability or severability of interests among Indemnified Parties, providing that the insurance shall operate in all respects as if a separate policy had been issued covering each party insured
iv. Include a waiver of subrogation in favor of the Indemnified Parties.
v. The certificate of insurance shall also provide that, in the event of a cancellation or material restrictive change of the policy which would adversely affect the interest of the Indemnified Parties, the insurers agree to provide 30 days prior written notice to The University.

REGENTS OF THE UNIVERSITY OF CALIFORNIA
GUIDELINES FOR INSURANCE REQUIREMENTS ON CONSTRUCTION-RELATED CONTRACTS / SERVICE AGREEMENTS

Note to User: The following matrix is intended to provide **guidelines** to those who have responsibility for the award of contracts to contractors or facility-related consultants as it relates to the insurance requirements. Each contract is different, and therefore, great care must be given to the identification and analysis of risks associated therewith. These guidelines are meant to provide a basis for that process but in no way should this matrix be construed as a "one-size-fits-all." When in doubt, call Campus Risk Management Services for advice and counsel.

Contact Campus Risk Management Services before establishing limits for:

1. **All HIGH RISK construction projects (see chart below for examples), and;**
2. **Projects having unique exposures (working in and around non-University-owned utilities, environmentally challenged sites, etc.).**

RISK CATEGORIES

The following list provides a general framework (where the project scope may include, but not only limited to these activities) as to severity categories and is not meant to address all activities/risks that may exist with your project.

LOW RISK	MODERATE RISK	HIGH RISK
• Acoustical Ceiling Tile • Alarm Systems (fire & security) • Blinds, Drapes, Film • Canopies, Awnings • Carpeting • Casework (cabinets, counters) • Concrete (minor and trailer pads) • Electrical (low voltage only) • Fencing • Flooring • Furniture Repair • Glass • Landscaping (no underground utilities, no excavation/trenching) • Locksmith • Moving Non-Leased, High-Tech Equipment • Non-Structural Interior Buildout/Improvements (including renovations and upgrades to existing buildings/structures) • Painting Interior • Pavement Sealing • Plumbing (minor) • Remodeling (minor) • Roofing Minor (small or isolated buildings; or repairs) • Sewer • Signs (no welding) • Trailer renovations • Wallpaper/Wall coverings	• New construction (2 or more above-grade stories with no below-grade construction) • Bleachers/Raised Seating • Cold Rooms • Concrete (major or if in traffic area) • Demolition (non-structural) • Electrical – (3-phase or panels) • Framing • Fume Hoods • Gas Leak & Cathodic Protection Survey • Heating, Ventilation, Air Conditioning • Interior Renovation/Remodeling - minor, non-structural, no environmental hazard exposures, and NOT in high-risk area • Kitchen/Lab Work (in which work is NOT near or adjacent to high-valued equipment) • Painting (exterior) • Paving, Asphalt • Roofing (major) • Scaffolding • Stucco/Plastering • Structural Repairs • Underground Work/Utilities • Welding, Torch Cutting, etc.	• New construction (4 or more above-grade stories) • Below-grade new construction • Projects $25,000,000 or greater (must be enrolled in UCIP) • Wood-Frame Projects over $10,000,000 • Airport/Heliport Construction • **Aviation / Drones (UAVs)** • Boilers and Steam Generators • Boring or Tunneling • Bridges • Demolition (major/structural) • **Environmental / Hazardous Materials Remediation/Abatement** • Elevators • Heavy Construction Equipment Required • High Voltage Electrical – including any work involving Electrical Substations, Cogeneration Facilities and/or Central Utility Plants • Hospitals / Medical Facilities • Install Hi-Tech Equipment • Kitchen/Lab Work (in which work is performed near or adjacent to high-valued equipment) • Piledriving / Drilling • Power Lines & Poles • Renovation/Remodeling – major or in high risk areas (patient care, art, etc.) • **Residential (for-sale) projects (anticipated for future sale)** • Stadiums/Sports Arenas • Steel Erection • Structural Renovations • Towers • Trenching/Excavation – below ground • Underground Work/Utilities (in which work is near or adjacent to high voltage or major utilities)

PROFESSIONAL SERVICES AGREEMENT (Includes but not limited to Design, Engineering, Consulting Services. Excludes Professional Services included in CMAR and Design Build agreements)

Limits and coverages hereunder are minimum recommended; to the extent scopes of work or specific circumstances require further clarification to confirm limits for a specific project, please contact the Campus Risk Manager or Willis Towers Watson.) Limits can be satisfied through providing a combination of primary and follow-form Umbrella and/or Excess Liability policies.

NOTE: If agreement contemplates usage of a drone/UAV (Unmanned Aerial Vehicle), please refer to the Unmanned Aircraft System (UAS) Insurance section under High Risk.

	COVERAGE TYPE	MINIMUM LIMITS	FORM & REQUIRED ENDORSEMENTS
LOW RISK **Refer to Risk Category Chart Above – Applies to:** **Facility Related Consulting Services –** **Not for the following services:** • Structural Design / Engineering • Geotechnical • Environmental • Agreements excess of $5,000,000)	**Workers' Compensation/ Employer's Liability**	**Workers' Compensation:** Statutory **Employer's Liability:** $1,000,000 Each Employee $1,000,000 Each Accident $1,000,000 Policy Limit	**FORM:** As required in the state where work performed **ENDORSEMENTS:** • Waiver of Subrogation
	Business Auto Liability	$1,000,000 per Accident Combined Single Limit – Bodily Injury / Property Damage applicable to all Owned, Non-Owned and Hired Autos	**FORM:** Standard CA 00 01 **ENDORSEMENTS:** • Additional Insured • Waiver of Subrogation • Primary & Non-Contributory Clause
	General Liability	$1,000,000 per Occurrence $1,000,000 Annual General Aggregate (Per Location or Per Project preferred) $1,000,000 Personal & Advertising Injury $1,000,000 Products/Completed Operations	**FORM: Per Occurrence (2004 or later edition of ISO Form CG 0001, or its equivalent)** **ENDORSEMENTS:** • Additional Insured ISO Forms acceptable*: CG2010 (10/01) **and** CG2037 (10/01) **or** CG2010 (07/04) **and** CG2037 (07/04) **or** their equivalents *NOTE: If the earlier versions are not available, CG2010 (4/13) and CG2037 (4/13) can be accepted but only when the August 18, 2017 or later edition of the agreement is used. • Waiver of Subrogation • Primary & Non-Contributory Clause • Severability of Interest Clause • Separation of Insureds • No Cross Suits Exclusion • General Aggregate limit to apply Per Location/Per Project
	Professional (Errors & Omissions) Liability	$1,000,000 Each Claim $1,000,000 Aggregate	**FORM:** Claims-Made **TERM:** Shall maintain at all times, while services contemplated by this agreement are being completed and for a minimum of 5 years after project completion.

MODERATE RISK Refer to Risk Category Chart Above – Applies to: Facility Related Consulting Services – Not for the following services: • Structural Design / Engineering • Geotechnical • Environmental	COVERAGE TYPE	MINIMUM LIMITS	FORM & REQUIRED ENDORSEMENTS
	Workers' Compensation/ Employer's Liability	**Workers' Compensation:** Statutory **Employer's Liability:** $1,000,000 Each Employee $1,000,000 Each Accident $1,000,000 Policy Limit	**FORM:** As required in the state where work performed **ENDORSEMENTS:** • Waiver of Subrogation
	Business Auto Liability	$1,000,000 per Accident Combined Single Limit – Bodily Injury / Property Damage applicable to all Owned, Non-Owned and Hired Autos	**FORM:** Standard CA 00 01 **ENDORSEMENTS:** • Additional Insured • Waiver of Subrogation • Primary & Non-Contributory Clause
	General Liability	$2,000,000 per Occurrence $2,000,000 Annual General Aggregate (Per Location or Per Project preferred) $2,000,000 Personal & Advertising Injury $2,000,000 Products/Completed Operations	**FORM: Per Occurrence (2004 or later edition of ISO Form CG 0001, or its equivalent)** **ENDORSEMENTS:** • Additional Insured ISO Forms acceptable*: CG2010 (10/01) **and** CG2037 (10/01) **or** CG2010 (07/04) **and** CG2037 (07/04) **or** their equivalents *NOTE: If the earlier versions are not available, CG2010 (4/13) and CG2037 (4/13) can be accepted but only when the August 18, 2017 or later edition of the agreement is used. • Waiver of Subrogation • Primary & Non-Contributory Clause • Severability of Interest Clause • Separation of Insureds • No Cross Suits Exclusion • General Aggregate limit to apply Per Location/Per Project
	Professional (Errors & Omissions) Liability	$2,000,000 Each Claim $2,000,000 Annual Aggregate Limits may be adjusted upward in increments of $1,000,000 or $5,000,000, depending on scope of work and contract size. ${Limit as provided by Risk Management} Each Claim ${Limit as provided by Risk Management} Aggregate	**FORM:** Claims-Made **TERM:** Shall maintain at all times, while services contemplated by this agreement are being completed and for a minimum of 5 years after project completion.

	COVERAGE TYPE	MINIMUM LIMITS	FORM & REQUIRED ENDORSEMENTS
HIGH RISK **Refer to Risk Category Chart Above – Applies to:** **Complex/Large Project Consulting Services –** • Structural Design / Engineering • Geotechnical • Surveying • Testing • Environmental	**Workers' Compensation/ Employer's Liability**	**Workers' Compensation:** Statutory **Employer's Liability:** $1,000,000 Each Employee $1,000,000 Each Accident $1,000,000 Policy Limit	**FORM:** As required in the state where work performed **ENDORSEMENTS:** • Waiver of Subrogation
	Business Auto Liability	$1,000,000 per Accident Combined Single Limit – Bodily Injury / Property Damage applicable to all Owned, Non-Owned and Hired Autos	**FORM:** Standard CA 00 01 **ENDORSEMENTS:** • Additional Insured • Waiver of Subrogation • Primary & Non-Contributory Clause In addition to Endorsements listed above, below specific coverage applies to Business Auto Liability for services involving hazardous material (also see Pollution Liability below). **IF HAZ MAT REMEDIATION/TESTING/CONSULTING:** MCS-90 Endorsement to be included with the amendments to the Endorsement to reflect that the reimbursement provisions be specifically limited to the Named Insured. **For Work > $500,000** $5,000,000 Combined Single Limit if hauling and/or disposing with MCS-90 Endorsement **For Work < $500,000** $2,000,000 Combined Single Limit, if hauling and/or disposing, with MCS-90 Endorsement
	General Liability	$2,000,000 per Occurrence $2,000,000 Annual General Aggregate (Per Location or Per Project preferred) $2,000,000 Personal & Advertising Injury $2,000,000 Products/Completed Operations	**FORM: Per Occurrence (2004 or later edition of ISO Form CG 0001, or its equivalent)** **ENDORSEMENTS:** • Additional Insured ISO Forms acceptable*: CG2010 (10/01) **and** CG2037 (10/01) **or** CG2010 (07/04) **and** CG2037 (07/04) **or** their equivalents *NOTE: If the earlier versions are not available, CG2010 (4/13) and CG2037 (4/13) can be accepted but only when the August 18, 2017 or later edition of the agreement is used. • Waiver of Subrogation • Primary & Non-Contributory Clause • Severability of Interest Clause • Separation of Insureds • No Cross Suits Exclusion • General Aggregate limit to apply Per Location/Per Project
	Professional (Errors & Omissions) Liability	$2,000,000 Each Claim $2,000,000 Annual Aggregate Limits may be adjusted upward in increments of $1,000,000 or $5,000,000 (not to exceed $10,000,000 limits), depending on scope of work and contract size. ${Limit as provided by Risk Management} Each Claim ${Limit as provided by Risk Management} Aggregate	**FORM:** Claims-Made **TERM:** Shall maintain at all times, while services contemplated by this agreement are being completed and for a minimum of 5 years after project completion. For residential projects (for-sale or anticipated for future sale), Extended Reporting Period or coverage maintenance shall be 10 years after project completion. **ENDORSEMENTS:** • UC as Indemnified Party for Vicarious Liability **PROJECT POLICIES:** Requirements may be reconsidered if UC procures a project Professional Liability or Owner Protective Professional Indemnity (OPPI) policy.

	COVERAGE TYPE	MINIMUM LIMITS	FORM & REQUIRED ENDORSEMENTS
	Pollution Liability **(if Environmental Consulting Services exist)**	$2,000,000 Each Claim $2,000,000 Annual Aggregate Limits may be adjusted upward in increments of $1,000,000 or $5,000,000, depending on scope of work and contract size. ${Limit as provided by Risk Management} Each Claim ${Limit as provided by Risk Management} Aggregate	**FORM:** Claims-Made (Occurrence form preferred and relatively easily obtained in the marketplace) **TERM:** Extended Reporting Period/maintain policy for 3 to 5 years from completion of contracted services, depending upon scope of work. **ENDORSEMENTS:** • Additional Insured • Waiver of Subrogation • Primary & Non-Contributory Clause • Severability of Interest Clause • Emergency Response Costs with 72 hour time frame • Crisis Management, Public Relations Management of Equivalent
	Unmanned Aircraft System (UAS) Insurance **(if a Drone/UAV (UNMANNED AERIAL VEHICLE) will be used)**	$1,000,000 per Occurrence $1,000,000 Annual Aggregate	**IF DRONES/UAVs (UNMANNED AERIAL VEHICLES) WILL BE IN USE, ONE OF THE FOLLOWING THREE OPTIONS IS REQUIRED:** 1. General Liability policy must be endorsed with UAV Liability Coverage. 2. Under the General Liability policy the "Aircraft" exclusion must be either A) deleted or B) exception to exclusion provided by the carrier. 3. A separate UAS (Unmanned Aircraft System) policy must be provided to include coverage for Bodily Injury (BI)/Property Damage (PD) Liability and Physical Damage to the UAV and support systems. **FORM:** Per Occurrence **TERM:** Shall maintain at all times, while services contemplated by this agreement are being completed. **ENDORSEMENTS:** • Blanket Additional Insured • Waiver of Subrogation • Primary & Non-Contributory Clause

CONSTRUCTION CONTRACTS (Includes CMAR and Design Build agreements)

Limits and coverages hereunder are minimum recommended; to the extent scopes of work or specific circumstances require further clarification to confirm limits for a specific project, please contact the Campus Risk Manager or Willis Towers Watson.) Limits can be satisfied through providing a combination of primary and follow-form Umbrella and/or Excess Liability policies.

NOTE: If agreement contemplates usage of a drone/UAV (Unmanned Aerial Vehicle), please refer to the Unmanned Aircraft System (UAS) Insurance section under High Risk.

	COVERAGE TYPE	MINIMUM LIMITS	FORM & REQUIRED ENDORSEMENTS
LOW RISK **Refer to Risk Category Chart Above – Applies to:** • **Non-Structural Interior Buildout/ Improvements, such as renovations and upgrades to existing buildings/ structures** **Not for the following agreements:** • **Professional Services** • **CM@Risk** • **Design Build**	**Workers' Compensation/ Employer's Liability**	**Workers' Compensation:** Statutory **Employer's Liability:** $1,000,000 Each Employee $1,000,000 Each Accident $1,000,000 Policy Limit	**FORM:** As required in the state where work performed **ENDORSEMENTS:** • Waiver of Subrogation
	Business Auto Liability	$1,000,000 per Accident Combined Single Limit – Bodily Injury / Property Damage applicable to all Owned, Non-Owned and Hired Autos	**FORM:** Standard CA 00 01 **ENDORSEMENTS:** • Additional Insured • Waiver of Subrogation • Primary & Non-Contributory Clause
	General Liability	$1,000,000 per Occurrence $1,000,000 Annual General Aggregate (Per Location or Per Project preferred) $1,000,000 Personal & Advertising Injury $1,000,000 Products/Completed Operations	**FORM: Per Occurrence (2004 or later edition of ISO Form CG 0001, or its equivalent)** **ENDORSEMENTS:** • Additional Insured ISO Forms acceptable*: CG2010 (10/01) **and** CG2037 (10/01) **or** CG2010 (07/04) **and** CG2037 (07/04) **or** their equivalents *NOTE: If the earlier versions are not available, CG2010 (4/13) and CG2037 (4/13) can be accepted but only when the August 18, 2017 or later edition of the agreement is used. • Waiver of Subrogation • Primary & Non-Contributory Clause • Severability of Interest Clause • Separation of Insureds • No Cross Suits Exclusion • General Aggregate limit to apply Per Location/Per Project
	Contractor's Pollution Liability	$1,000,000 Each Occurrence $1,000,000 Annual Aggregate Coverage to include MOLD / FUNGI	**FORM:** Occurrence (preferred), but Claims-Made acceptable **TERM:** If Claims-Made, Extended Reporting Period/maintain policy for 10 years from completion of contracted services. **ENDORSEMENTS:** • Additional Insured • Waiver of Subrogation • Primary & Non-Contributory Clause • Severability of Interest Clause

	COVERAGE TYPE	MINIMUM LIMITS	FORM & REQUIRED ENDORSEMENTS
MODERATE RISK **Refer to Risk Category Chart Above – Applies to:** • **Non-Structural Interior Buildout/ Improvements, such as renovations and upgrades to existing buildings/ structures** **Not for the following agreements:** • **Professional Services** • **CM@Risk** • **Design Build**	**Workers' Compensation/ Employer's Liability**	**Workers' Compensation:** Statutory **Employer's Liability:** $1,000,000 Each Employee $1,000,000 Each Accident $1,000,000 Policy Limit	**FORM:** As required in the state where work performed **ENDORSEMENTS:** • Waiver of Subrogation
	Business Auto Liability	$2,000,000 per Accident Combined Single Limit – Bodily Injury / Property Damage applicable to all Owned, Non-Owned and Hired Autos	**FORM:** Standard CA 00 01 **ENDORSEMENTS:** • Additional Insured • Waiver of Subrogation • Primary & Non-Contributory Clause
	General Liability	$2,000,000 per Occurrence $2,000,000 Annual General Aggregate (Per Location or Per Project preferred) $2,000,000 Personal & Advertising Injury $2,000,000 Products/Completed Operations **For projects $5,000,000+, limits may be adjusted upward as follows, depending on scope of work and contract size:** $2,000,000 per Occurrence $4,000,000 Annual General Aggregate (Per Location or Per Project preferred) $2,000,000 Personal & Advertising Injury $4,000,000 Products/Completed Operations ${Limit as provided by Risk Management} Each Claim ${Limit as provided by Risk Management} Aggregate	**FORM: Per Occurrence (2004 or later edition of ISO Form CG 0001, or its equivalent)** **ENDORSEMENTS:** • Additional Insured ISO Forms acceptable*: CG2010 (10/01) **and** CG2037 (10/01) **or** CG2010 (07/04) **and** CG2037 (07/04) **or** their equivalents *NOTE: If the earlier versions are not available, CG2010 (4/13) and CG2037 (4/13) can be accepted but only when the August 18, 2017 or later edition of the agreement is used. • Waiver of Subrogation • Primary & Non-Contributory Clause • Severability of Interest Clause • Separation of Insureds • No Cross Suits Exclusion • General Aggregate limit to apply Per Location/Per Project
	Contractor's Pollution Liability	$2,000,000 Each Occurrence $2,000,000 Annual Aggregate Coverage to include MOLD / FUNGI **For projects $5,000,000+, limits may be adjusted upward as follows, depending on scope of work and contract size:** $5,000,000 Each Occurrence $5,000,000 Annual Aggregate Coverage to include MOLD / FUNGI ${Limit as provided by Risk Management} Each Claim ${Limit as provided by Risk Management} Aggregate	**FORM:** Occurrence (preferred), but Claims-Made acceptable and relatively easily obtained in the marketplace) **TERM:** If Claims-Made, Extended Reporting Period/maintain policy for 10 years from completion of contracted services. **ENDORSEMENTS:** • Additional Insured • Waiver of Subrogation • Primary & Non-Contributory Clause • Severability of Interest Clause • Emergency Response Costs with 72 hour time frame • Crisis Management, Public Relations Management of Equivalent

	COVERAGE TYPE	MINIMUM LIMITS	FORM & REQUIRED ENDORSEMENTS
HIGH RISK **Refer to Risk Category Chart Above – Applies to:** • Complex/Large Design-Bid-Build/Lump Sum Agreements • Construction Management (CM @ Risk) Agreements • Design Build Agreements **Not for the following agreement:** • Professional Services	**Workers' Compensation/ Employer's Liability**	**Workers' Compensation:** Statutory **Employer's Liability:** $1,000,000 Each Employee $1,000,000 Each Accident $1,000,000 Policy Limit **Projects over $25,000,000 must be enrolled in UCIP.** For contractors enrolled in UCIP, certificates evidencing Workers' Compensation Limits are still required for their off-site operations only. UCIP provides the coverage for their onsite operations.	**FORM:** As required in the state where work performed **ENDORSEMENTS:** • Waiver of Subrogation • Alternate Employer Endorsement (if joint venture entity is contracting party)
	Business Auto Liability	$5,000,000 per Accident Combined Single Limit – Bodily Injury / Property Damage applicable to all Owned, Non-Owned and Hired Autos Limits can be adjusted up to $10,000,000, depending on scope of work, contract size, proximity of construction activities and traffic routes to campus general public (example: shuttle services). ${Limit as provided by Risk Management} Each Claim ${Limit as provided by Risk Management} Aggregate	**FORM:** Standard CA 00 01 **ENDORSEMENTS:** • Additional Insured • Waiver of Subrogation • Primary & Non-Contributory Clause In addition to Endorsements listed above, below specific coverage applies to Business Auto Liability for services involving hazardous material (also see Pollution Liability below). **IF HAZ MAT REMEDIATION/ABATEMENT:** For work involving Sections 13280 Hazardous Materials Management-Asbestos, 13281 Hazardous Materials Management-Lead and 13282 Mold Clean-Up approved by Campus Asbestos/Lead Coordinator MCS-90 Endorsement to be included with the amendments to the Endorsement to reflect that the reimbursement provisions be specifically limited to the Named Insured. **For Work > $5,000,000** $5,000,000 Combined Single Limit if hauling and/or disposing with MCS-90 Endorsement **For Work < $5,000,000** $2,000,000 Combined Single Limit, if hauling and/or disposing, with MCS-90 Endorsement

COVERAGE TYPE	MINIMUM LIMITS	FORM & REQUIRED ENDORSEMENTS
General Liability	$2,000,000 per Occurrence $4,000,000 Annual General Aggregate (Per Location or Per Project preferred) $2,000,000 Personal & Advertising Injury $4,000,000 Products/Completed Operations **Projects over $25,000,000 must be enrolled in UCIP.** For contractors enrolled in UCIP, certificates evidencing the following GL Limits are still required for their off-site operations only. UCIP provides the coverage for their onsite operations. **If Contractor is Enrolled in UCIP:** $1,000,000 per Occurrence $2,000,000 Annual General Aggregate $1,000,000 Personal & Advertising Injury $2,000,000 Products/Completed Operations Both sets of limits above may be adjusted upward, not to exceed $10,000,000 in limits, depending on scope of work and contract size. ${Limit as provided by Risk Management} Each Claim ${Limit as provided by Risk Management} Aggregate	**FORM: Per Occurrence (2004 or later edition of ISO Form CG 0001, or its equivalent)** **ENDORSEMENTS:** • Additional Insured ISO Forms acceptable*: CG2010 (10/01) **and** CG2037 (10/01) **or** CG2010 (07/04) **and** CG2037 (07/04) **or** their equivalents *NOTE: If the earlier versions are not available, CG2010 (4/13) and CG2037 (4/13) can be accepted but only when the August 18, 2017 or later edition of the agreement is used. • Waiver of Subrogation • Primary & Non-Contributory Clause • Severability of Interest Clause • Separation of Insureds • No Cross Suits Exclusion • General Aggregate limit to apply Per Location/Per Project
Professional (Errors & Omissions) Liability	$2,000,000 Each Claim $2,000,000 Annual Aggregate Limits may be adjusted upward in increments of $1,000,000 or $5,000,000 (not to exceed $10,000,000 in limits), depending on scope of work and contract size. ${Limit as provided by Risk Management} Each Claim ${Limit as provided by Risk Management} Aggregate	**FORM:** Claims-Made **TERM:** Extended Reporting Period/maintain policy for 10 years after project completion. For residential projects (for-sale or anticipated for future sale), Extended Reporting Period shall be 10 years after project completion. **ENDORSEMENTS:** • UC as Indemnified Party for Vicarious Liability **PROJECT POLICIES:** Requirements may be reconsidered if UC procures a project Professional Liability or Owner Protective Professional Indemnity (OPPI) policy.

	COVERAGE TYPE	MINIMUM LIMITS	FORM & REQUIRED ENDORSEMENTS
	Contractor's Pollution Liability	$5,000,000 Each Occurrence $5,000,000 Annual Aggregate **IF HAZ MAT REMEDIATION:** For work involving Sections 13280 Hazardous Materials Management-Asbestos, 13281 Hazardous Materials Management-Lead and 13282 Mold Clean-Up approved by Campus Asbestos/Lead Coordinator **For projects $10,000,000+, limits may be adjusted upward as follows (not to exceed $25,000,000 in limits), depending on scope of work and contract size:** ${Limit as provided by Risk Management} Each Claim ${Limit as provided by Risk Management} Aggregate	**FORM:** Occurrence (preferred), but Claims-Made acceptable and relatively easily obtained in the marketplace) **TERM:** If Claims-Made, Extended Reporting Period/maintain policy for 10 years from completion of contracted services. **ENDORSEMENTS:** • Additional Insured • Waiver of Subrogation • Primary & Non-Contributory Clause • Severability of Interest Clause • Emergency Response Costs with 72 hour time frame • Crisis Management, Public Relations Management of Equivalent **COVERAGES TO INCLUDE:** • Transportation of Materials • Non-Owned Disposal Sites • MOLD where exposure may exist for interior work (especially residential and healthcare) **PROJECT POLICIES:** Requirements may be waived if UC procures a project Contractor's Pollution Liability (CPL) policy.
	Unmanned Aircraft System (UAS) Insurance **(if a Drone/UAV (UNMANNED AERIAL VEHICLE) will be used)**	$1,000,000 per Occurrence $1,000,000 Annual Aggregate	**PROJECTS OVER $25,000,000 MUST BE ENROLLED IN UCIP.** **FOR UCIP PROJECTS: IF DRONES/UAVs (UNMANNED AERIAL VEHICLES) WILL BE IN USE, THE FOLLOWING IS REQUIRED:** 1. A separate UAS (Unmanned Aircraft System) policy must be provided to include coverage for Bodily Injury (BI)/Property Damage (PD) Liability and Physical Damage to the UAV and support systems. **FORM:** Per Occurrence **TERM:** Shall maintain at all times, while services contemplated by this agreement are being completed. **ENDORSEMENTS:** • Blanket Additional Insured • Waiver of Subrogation • Primary & Non-Contributory Clause **FOR NON-UCIP PROJECTS: IF DRONES/UAVs (UNMANNED AERIAL VEHICLES) WILL BE IN USE, ONE OF THE FOLLOWING THREE OPTIONS IS REQUIRED:** 1. General Liability policy must be endorsed with UAV Liability Coverage. 2. Under the General Liability policy the "Aircraft" exclusion must be either A) deleted or B) exception to exclusion provided by the carrier. 3. A separate UAS (Unmanned Aircraft System) policy must be provided to include coverage for Bodily Injury (BI)/Property Damage (PD) Liability and Physical Damage to the UAV and support systems. **FORM:** Per Occurrence **TERM:** Shall maintain at all times, while services contemplated by this agreement are being completed. **ENDORSEMENTS:** • Blanket Additional Insured • Waiver of Subrogation • Primary & Non-Contributory Clause