ADDENDUM NO. 1

to the

CONTRACT DOCUMENTS

July 20, 2018

I. Bidder acknowledges that it is the Bidder’s responsibility to ascertain whether any Addenda have been issued and if so, to obtain copies of such Addenda. Bidder therefore agrees to be bound by all Addenda that have been issued for this bid.

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents. The following changes, additions, or deletions shall be made to the following documents as indicated and all other Contract Documents shall remain the same.

II. CLARIFICATIONS

A. PRE-BID QUESTIONS – Questions received from bidders and responses are as follows:

1. Q. Wall #2 on D201 – due to two different ceiling heights, once the wall is removed, will there be a box beam header installed? If so, please advise the detail for the “box header” including support and attachment above and at each end. Can a “T- Bar” transition be installed there? Suspended panel ceiling in that area would easily be supported by a compression strut and brace wires as shown on details 18 & 10 on A901

   A. Detail 13/A902 addresses the difference in ceiling heights.

2. Q. The drawings call for the new walls to be “full height”. There are a few locations such as 338 Tutoring West Wall, that have parallel fire sprinkler lines that will not allow the wall to reach the upper deck. Would walls that rise 4” to 6”above the drop ceiling with diagonal bracing be acceptable in non-fire rated areas?

   A. Detail 20/A902 addresses revised height of framed walls. Newly framed walls, per revised details do not go to underside of deck, they will be diagonally braced.

3. Q. Unit Price #1 calls for a “patch and paint” unit price, will this be only non-fire rated walls or will that number change, based on the location of the patch work?

   A. The unit price request is for non-fire rated walls.

4. Q. Will diversion reports be required for the site waste?

   A. Not at this time, but if requested at a later date, Contractor will be asked to provide.

5. Q. Can Contractor use knock-down hollow metal frames in lieu of one piece welded to maintain schedule?

   A. Yes, knock-down metal frame acceptable. Contractor may also submit using storefront doors frames at no additional cost, for Owner approval.

6. Q. How will the electrical work be addressed?
A. University has contracted an electrical contractor to complete the electrical scope of work with the Design Team. The Electrical Contractor will provide a price for the electrical, Data, AV/IT and Fire Alarm, the University will assign the contract and price for the work to the Responsive Low Bidder through the Assignment Document attached.

III. BIDDING/CONTRACT DOCUMENTS AND DIVISION 1 SPECIFICATIONS – VOLUME 0

1. Revise Section 01 23 00 Alternates:
   1.3 A.1- Delete Deductive Alternate 1 Title 24 Requirements.
   1.3 B.1 Add Alternate 1 – Remove hollow metal fire-rated glazing system. Attachment
2. Revise Section 08 70 00 Door Hardware: Revised Hardware Groups (Changes in Red)
   See also item 01-16 below.
3. Replace Bid Form: Delete Bid Form. Revise Bid Form to include Add Alternate 1. Bid Form attached.
4. Responsive Low Bidder will execute the Electrical Assignment document for the electrical bidder. Assignment attached.
5. Jobwalk Sign-in included.

V. DRAWINGS

1. Item 01-01
   a. Reference: G000
   b. Deferred approvals – Campus Fire Authority changed to “DCFM – Designated Campus Fire Marshal”. No change in scope, clarification only.

2. Item 01-02
   a. Reference: G001
   b. General Note #8 – Verify signage exists. If it doesn’t exist or is not compliant, provide per details.
   c. General Note #12 – Specification reference added to general note. No change in scope, clarification only.
   d. General Note #35 – Added note to finish schedule sheet A701. No change in scope, clarification only.

3. Item 01-03
   a. Reference: D201
   b. Keynotes updated to salvage removed signage to Owner. No change in scope, clarification only.

4. Item 01-04
   a. Reference: A201
   b. Keynotes updated to indicate all wayfinding signage is to be done by University under a separate contract. Code compliant signage indicated on plans, to be done by Contractor.
   c. General Note #3 – Updated to reflect signage to be done by University under a separate contract.

5. Item 01-05
   a. Reference: D201, A201
   b. Signage notes referencing demo work were moved from A201 to D201 for clarity. No change in scope, clarification only.
6. Item 01-06
   a. **Reference: A202**
   b. Note added to sheet to reference power and data hookups per forthcoming Electrical. No change in scope, clarification only.

7. Item 01-07
   a. **Reference: A701, A801-802**
   b. Some painting removed from scope of work. Contractor verify on Finish Schedule (A701) and Interior Elevations (A801-802).

8. Item 01-08
   a. **Reference: A702**
   b. Rows indicating doors 310.B.2, 310.B.3, 310.B.4 are a part of the scope of work and have been removed for clarity. No change in scope, clarification only.

9. Item 01-09
   a. **Reference: A201, A802**
   b. Dimensions added for clarity. No change in scope, clarification only.

10. Item 01-10
    a. **Reference: A601, 13/A902**
    b. Add metal stud box header where wall was removed. See detail 13/A902.

11. Item 01-11
    a. **Reference: A201, A401, 2/A901, 20/A902**
    b. Change full height studs to partial height with diagonal bracing per details 2/A901, 20/A902

12. Item 01-12
    a. **Reference: A201, 11/A802, 13-14/A802, 12/A902**
    b. Base bid change – Door at east side of room 344 to remain. Apply film on glazing as indicated on interior elevations. See 11/A802.
    c. Additive alternate No. 1 – Remove fire-rated glazing at east wall of room 344, replace with fire rated framed wall per detail 12/A902.
    d. See also Specification section on Alternates 01 23 00.

13. Item 01-13
    a. **Reference: A201, 5/A903**
    b. Add assisted listening system, see forthcoming design-build electrical drawings.
    c. Add assisted listening signage, see 5/A903.

14. Item 01-14
    a. **Reference: A201, 5/A903**
    b. Add internally illuminated exit signs above doors in rooms 316 & 330. See forthcoming Electrical drawings by design-build contractor.
    c. Add tactile exit signs at the following doors: S3-1.1, 316.1, 316.2, 330.1, 330.2, 353.3, 353.4, S3-2.1

15. Item 01-15
    a. **Reference: A201, 5/A903**
b. Add maximum room occupancy signage in rooms 316 & 330.

16. Item 01-16
   a. Reference: A702
   b. Add hardware group 5 to doors S3-1.1 & S3-2.1. See also specification section 08 70 00.

17. Item 01-17
   a. Reference: A702
   b. Door types – remove material designation from door type 1, refer to Door Schedule. Clarification only, no change in scope.

VI. ATTACHMENTS

1 Revised Drawing Set, dated 07.20.2018
2 01 23 00 Alternates
3 Jobwalk Sign-in
4 Bid Form
5 Electrical Assignment Document

UNIVERSITY OF CALIFORNIA, MERCED

By: University of California, Merced

_______________________________
Fran Telechea
Director of Construction

End of Addendum No. 1
ADDENDUM 1

BID FORM

FOR: KOLLIGIAN LIBRARY 3W RENOVATION  
UNIVERSITY OF CALIFORNIA  
MERCED  
MERCED CALIFORNIA  
JULY 26, 2018

BID TO: CONSTRUCTION SERVICES & MANAGEMENT  
UNIVERSITY OF CALIFORNIA MERCED  
5200 N. LAKE ROAD  
MERCED, CALIFORNIA 95344  
209-201-8174

BID FROM: ____________________________________________________________

(Name of Bidder)

______________________________________________________________

(Address)

______________________________________________________________

(City) (State) (Zip Code)

______________________________________________________________

(Telephone Number)

______________________________________________________________

(Date Bid Submitted)

Note: All portions of this Bid Form must be completed and the Bid Form must be signed before the Bid is submitted. Failure to do so will result in the Bid being rejected as non-responsive.
1.0 BIDDER’S REPRESENTATIONS

Bidder, represents that a) Bidder and all Subcontractors, regardless of tier, has the appropriate current and active Contractor's licenses required by the State of California and the Bidding Documents; b) it has carefully read and examined the Bidding Documents for the proposed Work on this Project; c) it has examined the site of the proposed Work and all Information Available to Bidders; d) it has become familiar with all the conditions related to the proposed Work, including the availability of labor, materials, and equipment; e) Bidder 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. Bidder 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. Bidder further agrees that it will not withdraw its Bid within 60 days after the Bid Deadline, and that, if it is selected as the apparent lowest responsive and responsible Bidder, 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 Bidding Documents. If awarded the Contract, Bidder agrees to complete the proposed Work within 63 days after the date of commencement specified in the Notice to Proceed.

2.0 ADDENDA

Bidder acknowledges that it is Bidder'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 Bid Form. Bidder therefore agrees to be bound by all Addenda that have been issued for this Bid.

3.0 NOT USED

4.0 LUMP SUM BASE BID

$\underline{\hspace{2cm}}\underline{\hspace{2cm}}\underline{\hspace{2cm}}\underline{\hspace{2cm}}\cdot\underline{\hspace{2cm}}$

(Place figures in appropriate boxes.)

Bidder includes in the Lump Sum Base Bid the following allowances: NONE

5.0 SELECTION OF APPARENT LOW BIDDER

Refer to the Instructions to Bidders for selection of apparent low bidder.
ADDENDUM 1

6.0 UNIT PRICES

The quantities set forth in the Unit Prices are estimates in Section 01 22 00. 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.

**Unit Price #1:** Patch drywall and paint  
Estimated Quantity of units: 5,000 sq/ft

$[ ] [ ] [ ] [ ] [ ] [ ] $ Per sq/ft  
(Place Unit Price figures in appropriate boxes.)

**Unit Price #2:** Remove and replace carpet tiles  
Estimated Quantity of units: 1,500 sq/ft

$[ ] [ ] [ ] [ ] [ ] [ ] $ Per Sq/ft  
(Place Unit Price figures in appropriate boxes.)

**Unit Price #3:** Remove and replace damaged ceiling tiles  
Estimated Quantity of units: 500 sq/ft

$[ ] [ ] [ ] [ ] [ ] [ ] $ Per sq/ft  
(Place Unit Price figures in appropriate boxes.)

7.0 DAILY RATE OF COMPENSATION FOR COMPENSABLE DELAYS

Bidder shall determine and provide below the daily rate of compensation for any Compensable Delay caused by University at any time during the performance of the Work.

$[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] $ X 10 multiplier  
(Place figures in appropriate boxes.)

Failure to fill in a dollar figure or a value of zero for the daily rate for Compensable Delay shall render the bid non-responsive. The dollar figure shall be greater than 1.
ADDENDUM 1

The daily rate shown above will be the total amount of Contractor entitlement for each day of Compensable Delay caused by University at any time during the performance of the Work and shall constitute payment in full for all delay costs, direct or indirect (including, without limitation, compensation for all extended home office overhead and extended general conditions), of the Contractor and all subcontractors, suppliers, persons, and entities under or claiming through Contractor on the Project. 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. Bidder shall not bid less than zero dollars for the daily rate (i.e., the daily rate cannot be a negative number).

8.0 ALTERNATES - NONE

In order for a Bid to be responsive, Bidder must submit an additive bid, a deductive bid, or a “no change” bid, for each Alternate listed below. The failure to do so shall result in the Bid being rejected as non-responsive. The failure to quote an amount, unless the bidder marks the “no change” box, will result in the bid being rejected as non-responsive.

The Contract Time will change by the number of days, if any, specified for each accepted Alternate.

Add Alternate No. 1

Description: Add Alternate 1 – Remove and Replace Wall Infill in Room 344. Full description in Section 01 23 00.

If “Add” or “Deduct” is intended, indicate by placing figures in the corresponding boxes. If “No Change” is intended, indicate by marking the “No Change” box

Add $\square$, $\square$, $\square$, $\square$, $\square$

No Change: Bidder will perform this Alternate without change to Contract Sum.

No extension of time will be granted if this Alternate is accepted.
9.0 LIST OF SUBCONTRACTORS

Bidder will use Subcontractors for the Work:

Yes_____ 

If “yes”, provide in the spaces below (a) the name, the location of the place of business, and the California contractor license number of each subcontractor who will perform work or labor or render service to the prime contractor in or about the construction of the work or improvement, or a subcontractor licensed by the state of California who, under subcontract to the prime contractor, specially fabricates and installs a portion of the work or improvement according to detailed drawings contained in the plans and specifications, in an amount in excess of one-half of 1 percent of the prime contractor's total bid, (b) the portion of the work which will be done by each subcontractor. The prime contractor shall list only one subcontractor for each such portion as is defined by the prime contractor in its bid.

<table>
<thead>
<tr>
<th>Subcontractor</th>
<th>Portion of the Work Activity (e.g. electrical, mechanical, concrete)</th>
<th>Name of Business</th>
<th>Location of Business (City)</th>
<th>License No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(Note: Add additional pages if required.)
10.0 **LIST OF CHANGES IN SUBCONTRACTORS DUE TO ALTERNATES**

The information below must be provided for all changes in first-tier Subcontractors if University selects Alternates. List changes in Subcontractors only for those portions of the Work valued in excess of one-half of 1 percent of prime contractor’s total bid.

<table>
<thead>
<tr>
<th>Alternate No.</th>
<th>Portion of the Work Activity (e.g. electrical, mechanical, concrete)</th>
<th>Name</th>
<th>Location (City)</th>
<th>License No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(Note: Add additional pages if required.)
11.0 BIDDER 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)

NAME OF PRESIDENT OF THE CORPORATION:

(Insert Name)

NAME OF SECRETARY OF THE CORPORATION:

(Insert Name)

IF A PARTNERSHIP, NAMES OF ALL GENERAL PARTNERS:

(Insert Names)

CALIFORNIA CONTRACTORS LICENSE(S):

(Classification)    (License Number)    (Expiration Date)

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

12.0 REQUIRED COMPLETED ATTACHMENTS

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

1. Bid Security in the form of ______________________________

    (Bid Bond or Certified Check)
ADDENDUM 1

13.0 DECLARATION

I, _________________________________, hereby declare that I am the (Printed Name)

________________________________________

(Title) of ________________________________ (Name of Bidder)

submitting this Bid Form; that I am duly authorized to execute this Bid Form on behalf of Bidder; and that all information set forth in this Bid 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 executed at: __________________________ (Name of City if within a City, otherwise Name of County),
in the State of __________________________, on __________________________.

(State) (Date)

________________________________________

(Signature)
SECTION 01 23 00
ALTERNATES

PART 1 - GENERAL

1.1 ALTERNATES REQUIREMENTS

A. This Section identifies each Alternate and describes basic changes to the Work only when that Alternate is made a part of the Work by specific provision in the Agreement.

B. The Lump Sum Base Bid and Alternates shall include the costs of all supporting elements required, so that the combination of the Lump Sum Base Bid and any Alternates shall be complete. The scope of Work for all Alternates shall be in accordance with applicable Drawings and Specifications.

C. Except as otherwise specifically provided by University, the Work described in Alternates shall be completed with no increase in Contract Time.

D. This Section includes only the non-technical descriptions of the Alternates. Refer to the specific Sections of Divisions 2-33 of the Specifications for technical descriptions of the Alternates.

E. Coordinate related Work and modify surrounding Work as required to properly and completely integrate the Alternates into the Work.

F. The General Contractor shall quote prices for the Alternates listed below in the space provided therefore on the Bid Form. The General Contractor shall be responsible for determining exact quantities of materials involved with the Alternates. Work for the Alternates shall be in strict accordance with the Specifications and Drawings.

1.2 BIDS REQUIRED

Base Bid: The Base Bid consists of all items indicated and/or specified in the Drawings, Specifications and/or Bid Form. The costs for Additive Alternates will be added to the Base Bid, and the costs for Deductive Alternates will be subtracted from the Base Bid.

1.3 DESCRIPTION OF ALTERNATES

A. Deductive Alternate 1

   1. Deduct Title 24 Lighting Requirements as shown on

B. Add Alternate 1

   1. Remove hollow metal fire-rated glazing system at the east side of Room 344. Infill opening with fire-rated wall assembly as shown on detail 12/A901. Complete wall finish to match adjacent walls. Patch and repair ceiling and/or floor finishes as needed for new work.
PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

END OF SECTION 01 23 00
SECTION 08 70 00
DOOR HARDWARE

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following:
1. Provide all material, labor, equipment and services necessary to completely install all Building Hardware materials, accessories and other related items necessary to complete the Project as indicated by the Contract Documents.

B. Related Sections: The following Project Manual Sections contain requirements that relate to this section:
1. ALL DIVISION 00 SPECIFICATION SECTIONS.
2. ALL DIVISION 01 SPECIFICATION SECTIONS.
3. 07 92 00 SEALANTS
4. 08 11 00 METAL DOORS AND FRAMES
5. 08 14 16 WOOD DOORS
6. 09 91 00 PAINTING

1.2 REFERENCES

A. Standards:
1. In accordance with the following standards:
   a. ADAAG Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities.
   b. ASAHC American Society of Architectural Hardware Consultants.
   c. BHMA Builders Hardware Manufacturers Association.
   d. CBC California Building Code, 2016 Edition
   e. DHI Door and Hardware Institute.
   f. HMMA Hollow Metal Manufacturer’s Association.
   h. UL Underwriter’s Laboratories.
   i. WHI Warnock Hersey Incorporated.

1.3 DEFINITIONS

A. The following definitions apply to this Specification Section:
1. AFF Above Finished Floor.
2. "LABEL" Shall mean "FIRE ASSEMBLY" as defined in CBC Section 713.2.
3. LDW Less Door Width.
4. NRP Non Removable Pin.
5. POT Path of Travel (as defined by DSA/ACS and the CBC).

1.4 SUBMITTALS

A. Submit in accordance with Specification Section - SUBMITTAL PROCEDURES:
1. **Product Data.**
   a. Submit manufacturer's technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish (including any custom colors), and other information necessary to show compliance with requirements.
   b. Provide Key Control System submittal for review prior to fabrication or ordering. Submit manufacturer's full color range (including any standard, premium and custom colors) for selection by the Architect.
   c. Keying Schedule: Submit separate detailed schedule indicating clearly how the University's final instructions on keying of locks has been fulfilled.

2. **Shop Drawings – (Hardware Schedule):**
   a. Submit shop drawings (Hardware Schedule) showing fabrication and installation of the work of this section including plans, elevations, sections, details of components, and attachments to other units of work. Include the following information:
      1) Type, style, function, size and finish of each Hardware Item.
      2) Name and manufacturer of each item.
      3) Fastenings and other pertinent information.
      4) Location of each hardware set cross-referenced to indications on the drawings both on the floor plans and in door and frame (opening) schedule as prepared by the Architect.
      5) Explanation of all abbreviations, symbols, and codes contained in schedule.
      6) Mounting locations for hardware.
      7) Door and frame sizes and materials.
      8) Keying information.

3. **Closeout Submittals:**
   a. Maintenance Data in accordance with Specification Section - PROJECT CLOSEOUT.
   b. Operation Data in accordance with Specification Section - PROJECT CLOSEOUT.
   c. Record Documents in accordance with Specification Section - RECORD DOCUMENTS.
   d. Warranty in accordance with Specification Section - WARRANTIES.

1.5 **QUALITY ASSURANCE**

A. **Meetings:**
   1. Pre-installation Conference: Scheduled by the Contractor prior to the start of work.
      a. Review hardware schedule, products and installation procedures.
      b. Review University’s keying standards.
      c. Coordinate the work with all other related work.
      d. Identify potential problems that may impede planned progress and proper installation of work regarding quality of installation and warranty requirements.
   2. Progress Meetings: Scheduled by the Contractor for the proper performance of the work.
1.6 DELIVERY, STORAGE, AND HANDLING

1. Products shall be stored above ground on level platforms, six (6) inches above ground, allowing air circulation under stacked units.
2. Provide secure lock-up for door hardware delivered to the Project, but not yet installed.

1.7 WARRANTY

A. In accordance with Specification Section –WARRANTIES.
B. Special Warranties:
   1. Closers Ten (10) Years.
      a. Exception: Electronic closers shall be two (2) years.
   2. Exit Devices Three (3) Years.
   3. All other hardware Two (2) Years.

1.8 MAINTENANCE

A. Extra Materials:
   1. Furnish a complete set of specialized tools and maintenance instructions as needed for University's continued adjustment, maintenance, and removal and replacement of door hardware.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Products specified are from companies listed below, or approved equivalent. These products listed herein establish the size, pattern, color range and function selected by the Architect for this Project. Manufacturers listed as acceptable alternative manufacturers must still comply with the requirements of the products listed in order to be approved as an equivalent during the Submittal Process. If the acceptable alternative manufacturers listed are not approved during the Submittal Process due to non-compliance with the contract documents, then the Contractor shall submit product specified.
   1. Specified product manufacturer, or approved equivalent:
      a. Continuous Gear Hinges
         1) Acceptable alternative manufacturers
            MARKAR
            ROTON
b. Hinges, Butts and Pivots
   1) Acceptable alternative manufacturers

   STANLEY HARDWARE.

   HAGER COMPANIES.

c. Locks (Locksets)
   SCHLAGE

d. Cylinders
   1) RX-L9092TEU 17A

   SCHLAGE

e. Exit / Panic Devices
   1) VonDuprin “98/99” Series, at interior openings.
   2) Hager Companies “4500” Series
   3) Sargent “80” Series

   VON DUPRIN.

f. Overhead Closers
   1) LCN "4011", "4111", and “4640” Series

   LCN

g. Door Stops (Everywhere else)
   1) Acceptable alternative manufacturer

   TRIMCO.

   IVES

h. Thresholds
   1) Acceptable alternative manufacturer

   PEMKO.

   HAGER COMPANIES.

B. Products from other manufacturers not listed must submit in accordance with
   Specification Section - SUBSTITUTION PROCEDURES.

2.2 MATERIALS

A. General:
   1. Base Metals: Produce hardware units of basic metal and forming method
      indicating using manufacturer's standard metal alloy, composition, temper, and
      hardness, but in no case of lesser (commercially recognized) quality than
      specified within this specification section for applicable hardware units for finish
      designations indicated.

   2. Fasteners: Provide hardware manufactured to conform to published templates,
      generally prepared for machine screw installation. Do not provide hardware that
      has been prepared for self-tapping sheet metal screws, except as specifically
      indicated.

   3. Furnish screws for installation with each hardware item. Provide Phillips flat-
      head screws except as otherwise indicated. Finish exposed (exposed under any
      condition) screws to match hardware finish or, if exposed in surfaces of other
      work, to match finish of this other work as closely as possible including
      "prepared for paint" surfaces to receive painted finish.

   4. Provide concealed fasteners for hardware units that are exposed when door is
      closed except to the extent no standard units of type specified are available with
      concealed fasteners.
      a. Do not use thru-bolts for installation where bolt head or nut on opposite
         face is exposed in other work unless their use is the only means of
         reinforcing the work adequately to fasten the hardware securely.
      b. Where thru-bolts are used as a means of reinforcing the work, provide
         sleeves for each thru-bolt or use sex screw fasteners.

2.3 MANUFACTURED UNITS

A. Hinges:
1. General:
   a. Templates: Provide only template-produced units.
   b. Provide Phillips flat-head screws complying with the following requirements:
      1) For metal doors and frames, install machine screws into drilled and tapped holes.
      2) Finish screw heads shall match surface of hinges or pivots.

2. Butt:
   a. Provide hinge pins as follows:
      1) Out-Swing Exterior Doors Non-removable pins.
      2) Out-Swing Corridor Doors with Locks Non-removable pins.
      3) Interior doors Non-rising pins.
      4) Tips: Provide flat button and matching plug, finished to match leaves.

   b. Provide 3 hinges for doors with heights 61 to 90 inches, typ. u.n.o.

   c. Hinges shall be 4-1/2 inches for doors up to 41” wide.
      1) Width: Sufficient to clear frame and trim when door swings 180 degrees.

B. Lock Cylinders and Keying:
   1. Lock Cylinders:
      a. Construct lock cylinder parts from brass or bronze, stainless steel, or nickel silver.

   2. Keying:
      a. Review the keying system with the University and provide the type required (Master, grandmaster or great-grandmaster), either new or integrated with the University's existing keying system. Contact University of California, Merced, Locksmith Services for keying instructions.
         1) Provide Schlage Interchangeable Core Cylinders for all keyed locksets and exit devices with 1467 Keyway. University to provide all keying.
         2) Equip locks and cylinders for construction core pin tumbler inserts. Provide only temporary inserts for the construction period, and remove when directed.
            a) Provide final cores and keys to the University.

      b. Key Blanks: Provide as directed by the University.

      c. Provide keys manufactured from nickel silver only.

      d. Supply keys and blanks as follows:
         1) Supply 3 uncut change keys for each different change key code.
         2) Supply additional uncut keys as directed by the University.

      e. Comply with University's instructions for master keying, and except as otherwise indicated, provide individual change key for each lock that is not designated to be keyed alike with a group of related locks.
         1) Permanently inscribe each key with number of lock that identifies cylinder manufacturer's key symbol, and notation, "DO NOT DUPLICATE."

C. Locks, Latches, and Bolts:
1. All doors shall be operable from within, without the use of a key by merely rotating the latching handle.
2. All doors in areas used by students shall be self-releasing type, operable from within without the use of a key or special knowledge or effort.
3. Provide manufacturer's standard wrought box strike for each latch or lock bolt, with curved lip extended to protect frame, finished to match hardware set, unless otherwise indicated.
4. Lock Protectors:
   a. Lock astragals shall be provided with internally threaded fasteners for flat head machine screws. No hex head or carriage bolt fasteners will be permitted.
   b. Must be through bolted to door.
5. Provide ¾ inch minimum throw of latch for mortise locks.
6. Provide keyed dogging devices on doors equipped with exit devices.
   a. Do not provide dogging on fire rated doors equipped with exit devices.

D. Exit / Panic Devices:
1. Panic hardware shall comply with CCR Title 24, Part 12, Chapter 12-10-3.
   a. The release mechanism shall be so designed that a horizontal force of 5 lbs. or less will actuate the release bar and latches applied in the direction of travel.
2. No surface mounted vertical rods are allowed.
3. Provide certificate by independent testing laboratory that device meets ANSI/BHMA A156.3 - 1994 standards.
4. Device shall bear UL label for fire and or panic as may be required.
5. Removable Mullions:
   a. Removable with single turn of building key, and securely reinstalled without need for key.
   b. All removable mullions shall be steel or aluminum clad steel whether the opening is fire-rated or not.

E. Closers and Door Control Devices:
1. Door closer cylinders shall be of high strength cast iron construction with double heat treated pinion shaft to provide low wear operating capabilities of internal parts throughout the life of the installation.
   a. All door closers shall be tested to ANSI/BHMA A156.4 test requirements by a BHMA certified testing laboratory.
2. Except as otherwise specifically indicated, comply with manufacturer's written recommendations for size of door control unit depending on size of door, exposure to weather, and anticipated frequency of use.
   a. Where parallel arms are indicated for closers, provide closer unit one size larger than recommended for use with standard arms.
   b. Effort to operate shall conform to CBC Section 1133B.2.5 accessibility requirements.

F. Door Stops:
1. Coordinate the installation of backing in walls with the door supplier, aligned with the top and bottom of doors.
2. All Floor Stops shall be installed within four (4) inches maximum from the face of wall, bollard or partition.

G. Thresholds:
1. Provide standard metal threshold unit of type, size, and profile as shown or scheduled.

H. Fasteners:
1. Screws for strikes, face plates and similar items shall be flat head, countersunk type, provide machine screws for metal and standard wood screws for wood.
2. Screws for butt hinges shall be flathead, countersunk, full-thread type.
3. Fastening of closer bases or closer shoes to doors shall be by means of sex bolts and spray painted to match closer finish.
4. Provide expansion anchors for attaching hardware items to concrete or masonry.
5. All exposed fasteners shall have a Phillips head.
6. Finish of exposed screws to match surface finish of hardware or other adjacent work.
7. All exit devices and lock protectors shall be fastened to the door by means of sex bolts, or through bolts.

2.4 FINISHES

A. Hardware finishes:
1. General:
   a. All hardware shall be satin chromium (US26D – 626) unless otherwise noted.
   b. Provide push plates, pull plates and kick or armor plates in satin stainless steel (US32D – 630) unless otherwise noted.
   c. Door closers shall be powder-coated to match other hardware, unless otherwise noted.
   d. Aluminum items shall be finished anodized aluminum (US28 – 628), except thresholds that can be furnished as standard mill finish.
2. Match items to the manufacturer's standard color and texture finish for the latch and lock sets.
3. Provide finishes that match those established by BHMA or, if none established, match existing.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Site verification of conditions:
1. Prior to the execution of the work under this specification section, inspect the installed work executed under other sections of this Project Manual that affect the execution of work under this specification section.
   a. Verify that doors and frames are square and plumb and ready to receive work and dimensions are as instructed in writing by the manufacturer.
2. Report unacceptable conditions to the Architect. Do not begin work until unacceptable conditions have been corrected.
3. Execution of work under this specification section shall constitute acceptance of existing conditions.

3.2 PREPARATION

A. Coordination:
   1. Coordinate work under this specification section with work specified under other sections to ensure proper and adequate interface of work.
      a. Coordinate electrical power needs for those hardware items requiring electrical interface.
      b. Coordinate electrical alarm needs (security, fire/smoke detection) for those hardware items requiring electrical alarm interface.
   2. Provide all required hardware templates.

B. Surface preparation:
   1. Prepare surface in accordance with manufacturer's written instructions and recommendations.
   2. Coordinate the blocking required for all wall mounted hardware.
   3. Clean substrates of substances (oil, grease, rolling compounds, incompatible primers, loose mill scale, etc.) which could impair bond of materials specified within this section.

3.3 INSTALLATION

A. General:
   1. In accordance with manufacturer's written instructions and recommendations unless specifically noted otherwise.
      a. Hardware distributor shall assist and advise installer in correcting field problems arising during installation of hardware.
      b. Hardware distributor shall be on the Project within 48 hours upon being notified by the Contractor.
      c. Hardware distributor shall assist installer in the proper adjustment of all door closers, and other operating devices.
   2. In accordance with approved submittals.
   3. In accordance with Regulatory Requirements.
   4. Mount hardware units at heights indicated in following applicable publications, except as specifically indicated or required to comply with governing regulations and except as otherwise directed by the Architect.
      a. Steel Doors and Frames: "Recommended Locations for Builders Hardware for Standard Steel Doors and Frames" by the Door and Hardware Institute.
      b. CBC 1004.3.1.
      c. Door opening devices shall be installed at 30" minimum to 44" AFF maximum height per CBC Section 1133B.2.5.2.
   5. Install each hardware item in compliance with the manufacturer's written instructions and recommendations. Where indicated and where cutting and fitting is required to install hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation or application of surface protection with finishing work specified in
3.4 ADJUSTING

A. Adjusting:
   1. Adjust and check each operating item of hardware and each door to ensure proper operations or function of every unit.
      a. Replace units that cannot be adjusted to operate freely and smoothly or as intended for the application made.

3.5 SCHEDULES

A. The hardware schedule should be used as a guide only. In case of omissions, provide hardware in accordance with that scheduled for a similar opening.

LEGEND:
MANUFACTURER
HAGER COMPANIES HAG
MARKS USA MRK
ROTON RTN
SCHLAGE SCH
TRIMCO TRI
VON DUPRIN VON

GROUP 01 – (EACH OPENING TO HAVE): DOOR: 316.1, 316.2, 330.1, 300.2, 338.1
SINGLE DOOR, INTERIOR, NEW PASSAGE LEVER

<table>
<thead>
<tr>
<th>QUANT</th>
<th>DESCRIPTION</th>
<th>MANUFACTURER’S NUMBER</th>
<th>FINISH</th>
<th>MANUF</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 EA.</td>
<td>HINGE</td>
<td>5BB1 4.5 X 4.5</td>
<td>652</td>
<td>IVE</td>
</tr>
<tr>
<td>1 EA.</td>
<td>PASSAGE SET</td>
<td>L9010 17A</td>
<td>626</td>
<td>SCH</td>
</tr>
<tr>
<td>1 EA.</td>
<td>FLOOR STOP</td>
<td>FS439</td>
<td>682</td>
<td>IVE</td>
</tr>
</tbody>
</table>

GROUP 02 – (EACH OPENING TO HAVE): DOOR: 311.1, 324.1, 326.1, 323.1, 344.1
SINGLE DOOR, INTERIOR, NEW CARD READER

<table>
<thead>
<tr>
<th>QUANT</th>
<th>DESCRIPTION</th>
<th>MANUFACTURER’S NUMBER</th>
<th>FINISH</th>
<th>MANUF</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 EA.</td>
<td>HW HINGE</td>
<td>5BB1HW 4.5 X 4.5</td>
<td>652</td>
<td>IVE</td>
</tr>
<tr>
<td>1 EA.</td>
<td>ELECTRIC HW HINGE</td>
<td>5BB1HW 4.5 X 4.5 TW8</td>
<td>652</td>
<td>IVE</td>
</tr>
<tr>
<td>1 EA.</td>
<td>EU MORTISE LOCK</td>
<td>RX-L9092TEU 17A</td>
<td>626</td>
<td>SCH</td>
</tr>
<tr>
<td>1 EA.</td>
<td>PRIMUS CORE</td>
<td>20-740</td>
<td>626</td>
<td>SCH</td>
</tr>
</tbody>
</table>
1 EA. SURFACE CLOSER 4111 EDA 689 LCN
1 EA. WALL STOP WS407CCV 630 IVE
1 EA. GASKETING 188S-CL S-CL ZER

CARD READER, DOOR CONTACT & WIRING FURNISHED BY ACCESS CONTROL SUPPLIER

GROUP 03 – (EACH OPENING TO HAVE): DOOR: 301.1, 310.1
SINGLE DOOR, INTERIOR, NEW PASSAGE LEVER + CARD READER

<table>
<thead>
<tr>
<th>QUANT</th>
<th>DESCRIPTION</th>
<th>MANUFACTURER’S NUMBER</th>
<th>FINISH</th>
<th>MANUF</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 EA.</td>
<td>HW HINGE 5BB1HW 4.5 X 4.5</td>
<td>652 IVE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 EA.</td>
<td>ELECTRIC HW HINGE 5BB1HW 4.5 X 4.5 TW8</td>
<td>652 IVE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 EA.</td>
<td>EU MORTISE LOCK RX-L9092TEU 17A</td>
<td>626 SCH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 EA.</td>
<td>PRIMUS CORE 20-740</td>
<td>626 SCH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 EA.</td>
<td>SURFACE CLOSER 4111 EDA</td>
<td>689 LCN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 EA.</td>
<td>WALL STOP WS407CCV</td>
<td>630 IVE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 EA.</td>
<td>GASKETING 188S-CL S-CL ZER</td>
<td>S-CL ZER</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CARD READER, DOOR CONTACT & WIRING FURNISHED BY ACCESS CONTROL SUPPLIER

GROUP 04 – (EACH OPENING TO HAVE): DOOR: 353.3, 353.4
SINGLE DOOR, INTERIOR, NEW HOLD OPEN ONLY

<table>
<thead>
<tr>
<th>QUANT</th>
<th>DESCRIPTION</th>
<th>MANUFACTURER’S NUMBER</th>
<th>FINISH</th>
<th>MANUF</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 EA.</td>
<td>HOLD OPEN SEM7480 AL</td>
<td>689 LCN</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SINGLE DOOR, INTERIOR, NEW PANIC HARDWARE

<table>
<thead>
<tr>
<th>QUANT</th>
<th>DESCRIPTION</th>
<th>MANUFACTURER’S NUMBER</th>
<th>FINISH</th>
<th>MANUF</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 EA.</td>
<td>HW HINGE 5BB1HW 4.5 X 4.5</td>
<td>652 IVE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 EA.</td>
<td>ELECTRIC HW HINGE 5BB1HW 4.5 X 4.5 TW8</td>
<td>652 IVE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 EA.</td>
<td>EXIT DEVICE TBD</td>
<td>TBD</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

OTHER ACCESSORIES TBD TO COMPLETE THIS ASSEMBLY

END OF SECTION
ASSIGNMENT OF WORK AGREEMENT

TITLE AND LOCATION OF THE WORK:

Kolligian Library 3W Renovation
Project No. 908074
Electrical / Data / AV Design Completion & Installation

NAME AND ADDRESS OF THE UNIVERSITY FACILITY:

The Regents of the University of California
Oakland CA 94612

NAME AND ADDRESS OF THE EXECUTIVE DESIGN PROFESSIONAL:

Paul Halajian Architects
389 Clovis Ave., Suite 100
Clovis CA 93612

NAME AND ADDRESS OF THE CONTRACTOR:

ASSIGNMENT OF WORK AGREEMENT

THIS AGREEMENT, made and entered onto this { } day of { } , 20{ } by {CONTRACTOR}, a {LEGAL ENTITY}, hereafter referred to as "Contractor," and THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, a California corporation, hereinafter referred to as "University."

RECITALS

1. On May 17, 2018, University tendered to Mann Electric, a Corporation, hereinafter referred to as Subcontractor, a construction contract for electrical, data and AV, for, Kolligian Library 3W Renovation which was executed by Subcontractor on May 17, 2018. A copy of the foregoing Kolligian Library 3W Renovation is attached hereto as EXHIBIT "A" and shall be incorporated herein by reference; and

2. On May 17, 2018, University and Contractor entered into a construction contract for electrical, data and AV, Kolligian Library 3W Renovation; and

3. Said contract required the Contractor to accept an assignment of the University's rights, duties, and obligations under the Kolligian Library 3W Renovation.

NOW, THEREFORE, in consideration of the promises and acts contained therein, the parties agree with each other as follows:

August 16, 2018
1. Contractor hereby assumes responsibility for and agrees to perform all the duties of University under the Kolligian Library 3W Renovation attached as EXHIBIT "A."

2. University hereby assigns and transfers to Contractor all of its rights under said Kolligian Library 3W Renovation including all liabilities and responsibilities of any kind to University which may have existed, exist, or may arise under said Kolligian Library 3W Renovation. Contractor accepts all liabilities and obligations.

IN WITNESS WHEREOF, the parties have executed this Agreement the day and year first above written.

UNIVERSITY

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

By: Michael McLeod

Vice Chancellor/Chief Operating Officer

CONTRACTOR

{CONTRACTOR NAME}

By: {Name} {Title}

Signature Date

Signature Date
New Project Description for:

UC Merced
Kolligian Library 3W Renovation
5200 Lake Road, Merced, CA 95343
1. All doors shown but not noted are to be considered not a part of the egress path.

2. The following occupant load factors were used per CBC Table 1004.1.2:

   - 15 net OLF was used for unconcentrated tables and chairs for assembly spaces
   - 20 net OLF was used for study rooms/classroom spaces
   - 100 gross OLF was used for office space
   - 300 gross OLF was used for storage/maintenance spaces

PAUL HALAJIAN ARCHITECTS expressly reserves its common law copyright and other property rights specifically related to the contents of these plans. This document and the ideas and designs incorporated herein, as an instrument of professional service rendered by PAUL HALAJIAN ARCHITECTS, is not to be used in whole or in part for any other project without prior written authorization from PAUL HALAJIAN ARCHITECTS.
1. PER CGBSC SECTION 5.408.1, CONTRACTOR SHALL RECYCLE AND/OR SALVAGE FOR REUSE A MINIMUM OF 65% OF THE NON-HAZARDOUS CONSTRUCTION AND DEMOLITION DEBRIS IN ACCORDANCE TO 5.408.1.1, 5.408.1.2, OR 5.408.1.3.

CURRENT VOC LIMIT

<table>
<thead>
<tr>
<th>Product Category</th>
<th>Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marine Deck 760</td>
<td>250</td>
</tr>
<tr>
<td>Roadway 250</td>
<td></td>
</tr>
<tr>
<td>Taken</td>
<td></td>
</tr>
<tr>
<td>Other 420</td>
<td></td>
</tr>
</tbody>
</table>

D. SPECIFIES THAT THE AMOUNT OF MATERIALS DIVERTED SHALL BE SEALANT PRIMERS

PAUL HALAJIAN

Porous 775

MODIFIED BITUMINOUS 500

MARINE DECK 760

ARCHITECTS

PAUL HALAJIAN ARCHITECTS expressly reserves its common law copyright and other property rights specifically related to the contents of this document without prior written authorization from PAUL HALAJIAN ARCHITECTS.

3. PER CGBSC SECTION 5.504.4, CONTRACTOR SHALL ENSURE THAT ADHESIVES, 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. SUCH PRODUCTS ALSO SHALL COMPLY WITH RULE 1168 PROHIBITION ON THE USE OF CERTAIN TOXIC COMPOUNDS (CHLOROFORM, ETHYLENE OR CAULKING COMPOUNDS (IN UNIT OR PRODUCT, LESS PACKAGING, WHICH DONOT WEIGHT MORE THAN ONE POUND AND DO NOT CONSIST OF... INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS, OF CALIFORNIA CODE OF REGULATIONS, TITLE 17, COMMENCING WITH SECTION 94507.

13. PER CGBSC SECTION 5.504.4.6, CONTRACTOR SHALL ENSURE THAT 80% OF ALL VESTIBULE) OR ADDED TO THE SCOPE DURING CONSTRUCTION, SHALL BE 14. PER CGBSC SECTION 5.504.5.3, CONTRACTOR TO ENSURE THAT REGULARLY OCCUPIED AREAS OF THE BUILDING ARE PROVIDED WITH AIR ... OUTSIDE AND RETURN AIR PRIOR TO OCCUPANCY THAT PROVIDES AT LEAST A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 8.

5. PER CGBSC SECTION 5.504.7, WHERE OUTDOOR SMOKING AREAS ARE PROVIDED FOR SMOKING, PROHIBIT SMOKING WITHIN 25 FEET OF BUILDING ENTRIES, OUTDOOR AIR INTAKES AND OPERABLE WINDOWS AND IN ... WHEN ORDINANCES, REGULATIONS OR POLICIES ARE NOT IN PLACE, POST SIGNAGE TO INFORM BUILDING OCCUPANTS OF THE PROHIBITIONS.

CONTRACTOR SHALL ENSURE THAT ALL HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT THAT DO NOT CONTAIN CFCS.

a) INSTALL HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT THAT DO NOT CONTAIN CFCS.

b) EQUIPMENT THAT DO NOT CONTAIN HALONS.

 spectator views or access to services such as facilities for the handicapped. The equipment shall ether be ASHRAE approved or certified by the CALIFORNIA ENERGY COMMISSION OR THE CALIFORNIA FIRE SAFETY OR THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT ADDITIONALLY COMPLY WITH THE PERCENT VOC BY WEIGHT OF PRODUCT LIMITS OF REGULATION 8, RULE 49.
1) Reinforcing at (E) concrete: Do not cut, drill, or damage any reinforcement in existing concrete walls, floors or roof framing members unless otherwise noted. The contractor shall be responsible to locate existing rebar by scanning or other nondestructive methods as necessary, prior to drilling, coring or anchoring in existing concrete, to avoid damage to the reinforcement.

2) Keynotes apply to this sheet only.

3) All items shown, but not noted are to be considered (E) to remain, typ. u.n.o.

4) Salvage all doors removed as a part of demo phase. Where feasible, move these doors to new locations for reinstallation prior to ordering new doors.

5) Remove all door stops within project area. Reuse throughout project area at new doors.

---

**Keynotes**

- Remove portion of (E) pony wall as needed for new construction, typ.
- Remove (E) wall, typ.
- Remove and salvage (E) door from storefront system, typ.
- (E) Full height storefront wall to remain, typ.
- (E) wall to remain, typ.
- (E) sign, typ.
- (E) Fire extinguisher cabinet to remain, typ.
- Remove and salvage (E) door, frame to remain, typ.
- Remove and salvage (E) card reader for reinstallation, typ.
- Remove room number/name sign and salvage to Owner, typ.
- Remove sign and salvage to Owner, typ.
- Remove signage and salvage to Owner, typ.

**Legend**

- (E) pony wall to remove
- (E) Full height wall to remove
- (E) storefront wall to remove

---

**General Notes**

1) Reinforcing at (E) concrete: Do not cut, drill, or damage any reinforcement in existing concrete walls, floors or roof framing members unless otherwise noted. The contractor shall be responsible to locate existing rebar by scanning or other nondestructive methods as necessary, prior to drilling, coring or anchoring in existing concrete, to avoid damage to the reinforcement.

2) Keynotes apply to this sheet only.

3) All items shown, but not noted are to be considered (E) to remain, typ. u.n.o.

4) Salvage all doors removed as a part of demo phase. Where feasible, move these doors to new locations for reinstallation prior to ordering new doors.

5) Remove all door stops within project area. Reuse throughout project area at new doors.
General Notes

1. Reinforcing at (E) concrete: Do not cut, drill, or damage any reinforcement in existing concrete walls, floors or roof framing members unless otherwise noted. The contractor shall be responsible to locate existing rebar by scanning or other non-destructive methods as necessary prior to drilling, coring or anchoring in existing concrete, to avoid damage to the reinforcement.

2. Keynotes apply to this sheet only.

3. All items shown, but not noted are to be considered (E) to remain, typ. u.n.o.

4. Electrical and Mechanical shown here are for reference only. Refer to that discipline's sheets for more information.

Ceiling Legend
- (E) GWB ceiling to remain
- (E) exposed structure to remain
- (E) 2x2 acoustic suspended ceiling system to remain
- Remove (E) 2x2 acoustic suspended ceiling system

1 Remove (E) ceiling tiles and grid as needed for new construction, typ.
2 Remove (E) light fixture, typ.
3 Remove (E) grille per Mechanical, typ.
4 Remove (E) light fixture, typ. Salvage for re-installation. Refer to forthcoming Electrical drawings.
Do not cut, drill, or damage any reinforcement in existing concrete walls, floors or roof framing members unless otherwise noted.

Fire Extinguisher Cabinet, semi-recessed; Provide signage per DCFM requirements.

Infill framed wall where door was removed.

Dashed line indicates soffit above, see RCP on A60111.

New demountable partition, by others to match existing.

New furred wall, typ.

Security camera, OFCI, Provide cabling for IP cameras. Refer to forthcoming Electrical drawings.

Remove room number/name sign and salvage to Owner, typ.

Install room number/name sign, OFOI, under separate contract.

Reinstall sign type 2, Room 301, OFOI, under separate contract.

Reinstall sign type 2, Room 307, OFOI, under separate contract.

Remove room number/name sign and salvage to Owner, typ.

Install room number/name sign, OFOI, under separate contract.

Install new room number/name sign on sliding workstation doors, OFOI, under separate contract.

Reinstall sign type 2, Room 330, OFOI, under separate contract.

Reinstall sign type 2, Room 344, OFOI, under separate contract.

Install sign type 21, OFOI, under separate contract.

Install maximum occupancy sign for this room, CFCI. Verify number with Architect prior to ordering.

Install internally illuminated exit sign above door, see forthcoming

No. C20194

Ren. 4/30/19

New storefront wall

PAUL HALAJIAN ARCHITECTS expressly reserves its common law copyright and other property rights specifically related to the contents of this instrument as an instrument of professional service rendered by PAUL HALAJIAN ARCHITECTS without prior written authorization from PAUL HALAJIAN ARCHITECTS.
PAUL HALAJIAN ARCHITECTS
5200 Lake Road, Merced, CA 95343
T: 559.287.7963 F: 559.287.7950
www.halajanarch.com

PROVIDED FOR REFERENCE ONLY. CONTRACTOR TO PROVIDE POWER AND DATA FOR FURNITURE PER ELECTRICAL.
Keynotes

1. New storefront, typ.
2. New framed wall, typ.
3. Infill ceiling tiles and grid as needed for new construction, typ.
4. (E) Suspended acoustic ceiling to remain, typ.
5. New storefront wall on top of (E) pony wall
6. (E) Pony wall to remain, typ.
7. Diagonal bracing, see detail 20/A902, typ.
8. New storefront on new pony wall to match (E) adjacent
9. New framed pony wall below storefront
10. (E) Soffit to remain, typ.
**General Notes**

1. Reinforcing in (E) concrete: Do not cut, drill, or damage any reinforcement in existing concrete walls, floors, or roof framing members unless otherwise noted. The contractor shall be responsible to locate existing rebar by scanning or other non-destructive methods as necessary, prior to drilling, coring, or anchoring in existing concrete, to avoid damage to the reinforcement.

2. Keynotes apply to this sheet only.

3. All items shown, but not noted are to remain, typ. u.n.o.

---

**Ceiling Legend**

- Black: GWB ceiling to remain
- Gray: Exposed structure to remain
- Brown: 2x2 acoustic suspended ceiling system to remain
- Blue: New 2x2 acoustic suspended ceiling system

---

Title: UC Merced Kolligian Library 3W Renovation

Reflected Ceiling Plan (Proposed)
## Finish Schedule

<table>
<thead>
<tr>
<th>Number</th>
<th>Room</th>
<th>Type</th>
<th>Texture</th>
<th>Finish Type</th>
<th>Texture</th>
<th>Finish Type</th>
<th>Texture</th>
<th>Finish Type</th>
<th>Texture</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>301</td>
<td>Private Office</td>
<td>CPT</td>
<td>RB</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
<tr>
<td>303</td>
<td>Private Office</td>
<td>CPT</td>
<td>RB</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
<tr>
<td>305</td>
<td>Copy Room</td>
<td>CPT</td>
<td>RB</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
<tr>
<td>305A</td>
<td>Conference Room</td>
<td>CPT</td>
<td>RB</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
<tr>
<td>310B</td>
<td>Open Office</td>
<td>CPT</td>
<td>RB</td>
<td>(E)/SF</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
<tr>
<td>311</td>
<td>Open Office</td>
<td>CPT</td>
<td>RB</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
<tr>
<td>311A</td>
<td>Restroom</td>
<td>PT</td>
<td>PT</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
<tr>
<td>311B</td>
<td>Private Office</td>
<td>CPT</td>
<td>RB</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
<tr>
<td>311C</td>
<td>Conference Room</td>
<td>CPT</td>
<td>RB</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
<tr>
<td>318</td>
<td>Conference Room</td>
<td>CPT</td>
<td>RB</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
<tr>
<td>323</td>
<td>Open Office</td>
<td>CPT</td>
<td>RB</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
<tr>
<td>323A</td>
<td>Private Office</td>
<td>CPT</td>
<td>RB</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
<tr>
<td>323B</td>
<td>Huddle Room</td>
<td>CPT</td>
<td>RB</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
<tr>
<td>323C</td>
<td>Private Office</td>
<td>CPT</td>
<td>RB</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
<tr>
<td>326</td>
<td>Conference Room</td>
<td>CPT</td>
<td>RB</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
<tr>
<td>330A</td>
<td>Breakout</td>
<td>CPT</td>
<td>RB</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>330B</td>
<td>TV Area</td>
<td>CPT</td>
<td>RB</td>
<td>GWB</td>
<td>4</td>
<td>P-3</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>340</td>
<td>Kitchen</td>
<td>VCT</td>
<td>RB</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
<tr>
<td>346</td>
<td>Office</td>
<td>CPT</td>
<td>RB</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
<tr>
<td>346B</td>
<td>Office</td>
<td>CPT</td>
<td>RB</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
<tr>
<td>348</td>
<td>Lounge</td>
<td>CPT</td>
<td>RB</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
<tr>
<td>350</td>
<td>Office</td>
<td>CPT</td>
<td>RB</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
<tr>
<td>352</td>
<td>Office</td>
<td>CPT</td>
<td>RB</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
<tr>
<td>389</td>
<td>Clovis Ave, Suite 1</td>
<td>CPT</td>
<td>RB</td>
<td>GWB/SF</td>
<td>4</td>
<td>FF</td>
<td>P-1</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
<tr>
<td>330</td>
<td>Lounge</td>
<td>CPT</td>
<td>RB</td>
<td>GWB</td>
<td>4</td>
<td>P-3</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
<tr>
<td>S3-1</td>
<td>Stair</td>
<td>CONC</td>
<td>-</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
<tr>
<td>S3-2</td>
<td>Stair</td>
<td>CONC</td>
<td>-</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
<tr>
<td>T3-2</td>
<td>Women's</td>
<td>PT</td>
<td>PT</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td>(E)</td>
<td></td>
</tr>
</tbody>
</table>

### Finish General Notes

1. Provide for reference only. Only scope of work in these spaces includes replacing missing, damaged or discolored ceiling tiles, typ. u.n.o.
2. New interior stairs for main floor. Location and extent, typ. u.n.o.
3. Patch and repair wall surfaces if damaged prior to applying new paint/finish, typ. u.n.o.
4. New GWB wall finish is to be level 4, typ. u.n.o.
5. Patch and repair wall surfaces if damaged prior to applying new finishes, typ. u.n.o.
6. New GWB wall finish to be level 4, typ. u.n.o.

### Abbreviations

- CL: limestone
- CB: ceramic tile
- FB: fiberboard
- PB: plywood
- GB: glass block
- CB: ceramic tile
- PB: plywood
- GB: glass block
- TF: terrazzo floor
- GF: glazed tile
- SF: terrazzo finish
- WB: wood finish

### Finish Legend

- P-1: OA 7060 Extra White (eggshell)
- P-2: OA 7060 Extra White (semi-gloss)
- P-4: OA 6118 Leather Bound (eggshell)

### General Notes

1. Verify all finishes listed as existing. Match (E) finishes wherever possible. If specified finish materials do not match existing, submit alternate to Architect for approval.
2. Replace missing carpet tiles, damaged or in poor condition, typ. u.n.o.
3. Replace ceiling tiles missing, damaged or discolored, typ. u.n.o.
4. Replace all missing base molding, typ. u.n.o.
5. New GWB wall finish is to be level 4, typ. u.n.o.
6. New GWB wall finish to be level 4, typ. u.n.o.
### Door General Notes
1. All accessible door opening hardware shall be lever or pulls that are easy to grasp from the egress side without the use of a key or more than one operation.
2. Doors shall be readily operable from the egress side without the use of a key or more than one operation.
3. The force required to open a door shall not exceed 15 lbs for required fire rated doors. For swinging doors, the force shall be applied parallel to the door at the pull or latch. For sliding doors, the force shall be measured parallel to the door applied at the pull or latch.
4. Operating hardware, levers, pulls, push bars, and locks shall be mounted 34" from the ground on the active leaf. Manually operated surface or flush bolts are not permitted except for the inactive leaf of a pair of doors serving storage or equipment rooms.
5. Changes in elevations greater than 1/4" shall be beveled with a slope not greater than 2:1 horizontal to vertical.

### Door Schedule

<table>
<thead>
<tr>
<th>Door Name</th>
<th>Width</th>
<th>Height</th>
<th>Material</th>
<th>Finish</th>
<th>Notes</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elevator (E)</td>
<td>3'-9&quot;</td>
<td>7'-0&quot;</td>
<td>FG</td>
<td>WD</td>
<td>HM</td>
<td>FF</td>
</tr>
<tr>
<td>Private Office NC</td>
<td>3'-0&quot;</td>
<td>7'-0&quot;</td>
<td>FG</td>
<td>WD</td>
<td>ST</td>
<td>AL</td>
</tr>
<tr>
<td>Conference Room (E)</td>
<td>3'-0&quot;</td>
<td>7'-0&quot;</td>
<td>FG</td>
<td>WD</td>
<td>ST</td>
<td>HM</td>
</tr>
<tr>
<td>Restroom (E)</td>
<td>3'-0&quot;</td>
<td>7'-0&quot;</td>
<td>FG</td>
<td>WD</td>
<td>ST</td>
<td>HM</td>
</tr>
<tr>
<td>Study Space NC</td>
<td>3'-0&quot;</td>
<td>7'-0&quot;</td>
<td>FG</td>
<td>WD</td>
<td>ST</td>
<td>AL</td>
</tr>
<tr>
<td>Office (E)</td>
<td>3'-0&quot;</td>
<td>7'-0&quot;</td>
<td>FG</td>
<td>WD</td>
<td>ST</td>
<td>HM</td>
</tr>
<tr>
<td>Lobby (E)</td>
<td>6'-0&quot;</td>
<td>7'-0&quot;</td>
<td>FG</td>
<td>WD</td>
<td>ST</td>
<td>HM</td>
</tr>
</tbody>
</table>

### Door Schedule Comments
1. Phone entry: reference only. Not included in scope of work.
2. Verify the finish match. Not part of scope of work.
3. Cool master to be installed on vendor side, top.
4. New door interconnect panel system to be provided by others.

### Door Types

- Single door
- Double door

### Frame Types

- Type 1
- Type 2
- Type 3
- Type 4
- Type 5
Keynotes
1) Keynotes apply to this sheet only.
2) See door schedule on A702 for door head, jamb and sill details.
3) All items shown but not noted are to be considered (E) to remain.
4) Glazing shown with label 'T' is to be tempered safety glass.
5) Glazing shown with label 'R' is to be 1-hr fire rated glass.
6) Paint all new framed walls per Finish Schedule.

Legend
PAINT tag, see Finish Schedule

General Notes
1) Items shown on plan should be for visual aid, not construction.
2) All items shown but not noted are to be construed if (E) remain.
3) Keynotes are not to be considered if (E) are not shown.

Client Notes
1) New framed wall, typ.
2) New glass wall, see Door Schedule A702.
3) New glass wall, see Door Schedule A702.
4) New glass wall, see Door Schedule A702.

Keynotes
1) New framed wall, typ.
2) New glass wall, see Door Schedule A702.
3) New glass wall, see Door Schedule A702.
4) New glass wall, see Door Schedule A702.

Legend
Paint tag, see Finish Schedule

1 New framed wall, typ.
2 New glass wall, see Door Schedule A702.
3 New glass wall, see Door Schedule A702.
4 New glass wall, see Door Schedule A702.

320 Lounge West
301 Office South
320 Lounge East
320 Lounge North
316 Study Room West
316 Study Room North
316 Study Room South
316 Study Room East
316 Study Room South
310 Office North
338 Tutoring West
338 Tutoring South
338 Tutoring East
338 Tutoring North

V.I.F. 8'-4"
**General Notes**

1. Keynotes apply to this sheet only.
2. Glazing shown with label 'T' is to be tempered safety glass, typ. u.n.o.
3. Glazing shown with label 'R' is to be 1-hr fire rated glass, typ. u.n.o.
4. Paint all new framed walls per Finish Schedule, typ. u.n.o.
5. Touchscreen control for projector screen, OFCI. Provide power per forthcoming Electrical drawings. Verify exact location with University prior to installation.
6. Markerboard, by others.
7. Wall-mounted TV, OFCI. Refer to forthcoming Electrical drawings. Provide backing per 3/A901, verify location with University prior to installation.
8. New demountable partition, by others to match existing.
9. Door within demountable partition, by others.
10. Column to remain, typ. (E)
11. Apply decorative window film on outside surface of glazing, typ. (E).
12. Column to remain, typ. (E)
13. Column to remain, typ. (E)
14. Crosshatch pattern indicates new 1-hr fire rated framed wall where rated glazing system was removed.
15. Remove hatched portion of wall and fire rated glazing system. Patch and repair GWB ceiling and suspended ceiling grid as needed for new construction.

**Keynotes**

1. No notes.
2. No notes.
3. No notes.
4. No notes.
5. No notes.
6. No notes.
7. No notes.
8. No notes.
9. No notes.
10. No notes.
11. No notes.
12. No notes.
13. No notes.
14. No notes.
15. No notes.
General Signage Notes

Raised & Braille Characters:
1. Raised characters shall have a distance of 1/8" min. between the background and raised character. These characters may consist of upper case letters, initials, acronyms, numbers, symbols, and punctuation marks, UNO.
2. Height of characters shall be a minimum of 5/8" min. to a maximum of 2" max. based on the uppercase letter 'I'. (see visual character height chart below).
3. The minimum height of a raised character shall be 5/8" min. to 2" max. based on the uppercase letter 'I'. (see visual character height chart below).
4. White characters on a dark background or dark characters on a light background shall comply with the above character height requirements.
5. The background or character background shall have an eggshell, matte or other non-glare finish.

Door Clearance Requirements:
- Door Clearance shall be a minimum of 9" min. plus 1/8" for each foot of viewing distance above 15'-0".
- Clear floor space shall be a minimum of 3" of unobstructed area in front of a door and up to 45° from the door opening.
- All accessible building entrances shall have International Symbol of Accessibility on or adjacent to door at strike side; see General Note #8 on G001.
- Raised symbols shall be 1/32" min. above the background and shall be upper case, sans serif, with the stroke thickness of 1/16" of the baseline.
- Braille shall be contracted (Grade 2) with rounded or domed top dots that are 1/10" on center in each cell with 2/10" space between cells, measured from the second column of dots in the first cell to the first column of dots in second cell. Braille dots are a minimum of 1/40" above the background. The indication of an uppercase letter or letters shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and acronyms.
- Tactile signs shall be mounted so that the baseline of the lowest line of braille is 48" min. AFF & the baseline of the highest line of tactile characters is 60" max. AFF, UNO.
-Raised & Braille Characters:
1. Raised characters shall have a distance of 1/8" min. between the background and raised character. These characters may consist of upper case letters, initials, acronyms, numbers, symbols, and punctuation marks, UNO.
2. Height of characters shall be a minimum of 5/8" min. to a maximum of 2" max. based on the uppercase letter 'I'. (see visual character height chart below).
3. The minimum height of a raised character shall be 5/8" min. to 2" max. based on the uppercase letter 'I'. (see visual character height chart below).
4. White characters on a dark background or dark characters on a light background shall comply with the above character height requirements.
5. The background or character background shall have an eggshell, matte or other non-glare finish.

Minimum Character Height

<table>
<thead>
<tr>
<th>Height to View Area</th>
<th>Minimum Character Height</th>
<th>Handicapped Viewing Distance</th>
<th>Minimum Character Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width of 1'-0&quot;</td>
<td>1/2&quot; R, typ.</td>
<td>1'-2&quot;</td>
<td>1/2&quot; typ.</td>
</tr>
<tr>
<td>Width of 2'-0&quot;</td>
<td>1/2&quot; R, typ.</td>
<td>3'-0&quot;</td>
<td>1/2&quot; typ.</td>
</tr>
<tr>
<td>Width of 5'-0&quot;</td>
<td>1/2&quot; R, typ.</td>
<td>6'-0&quot;</td>
<td>1/2&quot; typ.</td>
</tr>
</tbody>
</table>

Finish & Contrast:
- Backgrounds and characters shall have a contrasting color with their background, either light on a dark background or dark on a light background.
- Backgrounds shall be a minimum of 60% min. to 110% max. of the height of the uppercase letter 'I'.
- Backgrounds shall be a minimum of 60% min. to 110% max. of the height of the uppercase letter 'I'.
- Backgrounds shall be a minimum of 60% min. to 110% max. of the height of the uppercase letter 'I'.
- Backgrounds shall be a minimum of 60% min. to 110% max. of the height of the uppercase letter 'I'.
- Backgrounds shall be a minimum of 60% min. to 110% max. of the height of the uppercase letter 'I'.

 raised & Braille Characters:
1. Raised characters shall have a distance of 1/8" min. between the background and raised character. These characters may consist of upper case letters, initials, acronyms, numbers, symbols, and punctuation marks, UNO.
2. Height of characters shall be a minimum of 5/8" min. to a maximum of 2" max. based on the uppercase letter 'I'. (see visual character height chart below).
3. The minimum height of a raised character shall be 5/8" min. to 2" max. based on the uppercase letter 'I'. (see visual character height chart below).
4. White characters on a dark background or dark characters on a light background shall comply with the above character height requirements.
5. The background or character background shall have an eggshell, matte or other non-glare finish.

Wall Mounted Exit Sign (Type WE)
- Wall Mounted Exit Sign (Type WE) shall have a distance of 1/8" min. between the background and raised character. These characters may consist of upper case letters, initials, acronyms, numbers, symbols, and punctuation marks, UNO.
- Height of characters shall be a minimum of 5/8" min. to a maximum of 2" max. based on the uppercase letter 'I'. (see visual character height chart below).
- The minimum height of a raised character shall be 5/8" min. to 2" max. based on the uppercase letter 'I'. (see visual character height chart below).
- White characters on a dark background or dark characters on a light background shall comply with the above character height requirements.
- The background or character background shall have an eggshell, matte or other non-glare finish.

Accessible Entrance Sign
- Accessible Entrance Sign shall have a distance of 1/8" min. between the background and raised character. These characters may consist of upper case letters, initials, acronyms, numbers, symbols, and punctuation marks, UNO.
- Height of characters shall be a minimum of 5/8" min. to a maximum of 2" max. based on the uppercase letter 'I'. (see visual character height chart below).
- The minimum height of a raised character shall be 5/8" min. to 2" max. based on the uppercase letter 'I'. (see visual character height chart below).
- White characters on a dark background or dark characters on a light background shall comply with the above character height requirements.
- The background or character background shall have an eggshell, matte or other non-glare finish.

Raised & Braille Characters:
1. Raised characters shall have a distance of 1/8" min. between the background and raised character. These characters may consist of upper case letters, initials, acronyms, numbers, symbols, and punctuation marks, UNO.
2. Height of characters shall be a minimum of 5/8" min. to a maximum of 2" max. based on the uppercase letter 'I'. (see visual character height chart below).
3. The minimum height of a raised character shall be 5/8" min. to 2" max. based on the uppercase letter 'I'. (see visual character height chart below).
4. White characters on a dark background or dark characters on a light background shall comply with the above character height requirements.
5. The background or character background shall have an eggshell, matte or other non-glare finish.

Minimum Character Height

<table>
<thead>
<tr>
<th>Height to View Area</th>
<th>Minimum Character Height</th>
<th>Handicapped Viewing Distance</th>
<th>Minimum Character Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width of 1'-0&quot;</td>
<td>1/2&quot; R, typ.</td>
<td>1'-2&quot;</td>
<td>1/2&quot; typ.</td>
</tr>
<tr>
<td>Width of 2'-0&quot;</td>
<td>1/2&quot; R, typ.</td>
<td>3'-0&quot;</td>
<td>1/2&quot; typ.</td>
</tr>
<tr>
<td>Width of 5'-0&quot;</td>
<td>1/2&quot; R, typ.</td>
<td>6'-0&quot;</td>
<td>1/2&quot; typ.</td>
</tr>
</tbody>
</table>

Finish & Contrast:
- Backgrounds and characters shall have a contrasting color with their background, either light on a dark background or dark on a light background.
- Backgrounds shall be a minimum of 60% min. to 110% max. of the height of the uppercase letter 'I'.
- Backgrounds shall be a minimum of 60% min. to 110% max. of the height of the uppercase letter 'I'.
- Backgrounds shall be a minimum of 60% min. to 110% max. of the height of the uppercase letter 'I'.
- Backgrounds shall be a minimum of 60% min. to 110% max. of the height of the uppercase letter 'I'.
- Backgrounds shall be a minimum of 60% min. to 110% max. of the height of the uppercase letter 'I'.

raised & Braille Characters:
1. Raised characters shall have a distance of 1/8" min. between the background and raised character. These characters may consist of upper case letters, initials, acronyms, numbers, symbols, and punctuation marks, UNO.
2. Height of characters shall be a minimum of 5/8" min. to a maximum of 2" max. based on the uppercase letter 'I'. (see visual character height chart below).
3. The minimum height of a raised character shall be 5/8" min. to 2" max. based on the uppercase letter 'I'. (see visual character height chart below).
4. White characters on a dark background or dark characters on a light background shall comply with the above character height requirements.
5. The background or character background shall have an eggshell, matte or other non-glare finish.
Audio-Visual Specifications

The Audio Visual system shall consist of the devices listed below and as shown on the Drawings. The system shall include all required back boxes, mounting hardware, and point-to-point wiring as required for a complete installation.

Owner-Furnished Equipment List

<table>
<thead>
<tr>
<th>Device/Item</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speaker Bar</td>
<td>NEC</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Video Input Plate</td>
<td>Extron</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>2 Gang Mounting Frame</td>
<td>Extron</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Blank Plate</td>
<td>Extron</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Touchpad</td>
<td>AMX</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>PoE Injector</td>
<td>AMX</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

Audio-Visual Information

PAUL HALAJIAN ARCHITECTS
389 Clipper Ave, Suite 100
NEC
T: 559.297.7900  F: 559.297.7950

5'-0" 4'-2" 1'-8" 65" Flat Panel Display, OFCI
1'-6" 1'-8" 4'-2" 11'-11" 4'-2" +/- FUTURE 2-Gang Ring (HDMI Connection), OFCI
1'-6" 1'-8" 4'-2" 11'-11" 4'-2" +/- FUTURE 2-Gang Ring (Touch Pad), OFCI
3'-4" 61" V.I.F.

B.O. TV and Touch Pad

FUTURE 3'-4"

For architectural information.

2-Gang Ring (Touch Pad), OFCI
FSR Wall Box, OFCI

1-1/2" conduit in wall, CFCI
1/2" = 1'-0"1 330B_TV Area_East AV

PROJECT:
5200 Lake Road, Merced, CA 95343

DRAWING SET INFORMATION:

SHEET:

PROJECT NUMBER:
2018-18

SHEET NUMBER:
AV001

UC Merced Kolligian Library 3W Renovation

PH Audio Visual Information

PAUL MILORID

PAUL NELSON

HALAJIAN

No. C20194
Ren. 4/30/19
ARCHITECTS

PAUL HALAJIAN ARCHITECTS expressly reserves its common law copyright and other property rights specifically related to the contents of these plans. This document and the ideas and designs incorporated herein, as an instrument of professional service rendered by PAUL HALAJIAN ARCHITECTS, is not to be used in whole or in part for any other project without prior written authorization from PAUL HALAJIAN ARCHITECTS.

389 Clovis Ave, Suite 100
Clovis, CA  93612-1185
T:  559.297.7900  F:  559.297.7950
www.halajianarch.com

PROJECT:  UC Merced
Kolligian Library 3W Renovation
5200 Lake Road, Merced, CA 95343
SHEET:  Specifications
<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>email</th>
<th>Contact No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robert Fern</td>
<td>B-Z Const</td>
<td>Roberta@B-Z Const.com</td>
<td>209-295-2887</td>
</tr>
<tr>
<td>Paul Halajian</td>
<td>Paul Halajian Architects</td>
<td><a href="mailto:paul@halajianarch.com">paul@halajianarch.com</a></td>
<td>559-297-2900</td>
</tr>
<tr>
<td>Stephanie Reed</td>
<td>Paul Halajian Architects</td>
<td><a href="mailto:stephanie@halajianarch.com">stephanie@halajianarch.com</a></td>
<td>559-297-7900</td>
</tr>
<tr>
<td>David Marvick</td>
<td>DMC Construction</td>
<td><a href="mailto:dmcmerced@gmail.com">dmcmerced@gmail.com</a></td>
<td>(209) 658-6715</td>
</tr>
<tr>
<td>Byron Price</td>
<td>Artisan Const.</td>
<td><a href="mailto:byron@artisanconstruction.com">byron@artisanconstruction.com</a></td>
<td>(209) 564-6001</td>
</tr>
<tr>
<td>Jay Cadenham</td>
<td>San Joaquin Gases</td>
<td></td>
<td>209-383-5056</td>
</tr>
</tbody>
</table>