BID DOCUMENTS COVER SHEET

CONTRACT DOCUMENTS

FOR

L-640 College Complex Level 2 Remodel
Sectors 5A, 5B & 6
DSA File #7-C1
DSA Application # 01-115396

AT

LOS MEDANOS COLLEGE
2700 East Leland Road, Pittsburg, California 94565

CONTRA COSTA COMMUNITY COLLEGE DISTRICT

ADDENDUM #1
Drawings & Specification

tBP/Architecture
1777 Oakland Blvd. # 320 Walnut Creek, CA 94596

January 4, 2017
NOTICE TO ALL CONTRACTORS

You are hereby notified of the following changes, clarifications and/or modifications to the original Contract Documents, Project Manual, Drawings, Specifications and/or previous Addenda. This Addendum shall supersede the original Contract Documents and previous Addenda wherein it contradicts the same, and shall take precedence over anything to the contrary therein. All other conditions remain unchanged.

This Addendum forms a part of the Contract Documents and modifies the original Contract Documents. Acknowledge receipt of this Addendum in space provided on the Bid Proposal Form. Failure to acknowledge may subject Bidder to disqualification.

A. DELETIONS, ADDITIONS, CHANGES, REVISIONS or REPLACE

1. REPLACE SECTION 08 80 00 Glazing
2. REVISE SECTION 08 41 00 Storefront, PART 2 Manufacturers to include:
   a. Kawneer 751 T
   b. US Aluminum FT 751
   c. Arcadia AFG 751T
   d. Cascade 450-TOS
   e. Or approved equal

B. Bid Alternate No.1

Bid Alternate No. 1 changes the Curtain Wall System to a Storefront System. This is accomplished by lowering the system height to 9’-8” and infilling the resulting gap with a Stucco clad bulkhead. This resulting system would not require a DSA-Deferred Approval as the system span height would be less than 10 foot high. The following shall be included in the Alternate:
ADDENDUM #1

1. Reference Sheet A5.0. All system heights would be revised from 11’-0” to 9’-8” A.F.F.
2. Reference Sheet A6.2
   a. This addendum includes revisions to this sheet (Attached)
   b. Added Detail 14/A6.2 Indicates joint between Storefront Head and Bulkhead.
3. Reference Sheet A6.3
   a. This addendum includes revisions to this sheet (Attached)
   b. Refer to this sheet for header and framing details for the 1’-4” bulkhead over the storefront system.
   c. Added Detail 11/A6.3 indicates connection between added header and existing concrete walls.
4. Reference Sheet A8.0
   a. Detail 5. Bulkhead wall assembly would be Type A.
   b. Details 14 and 15. Reflect Bulkhead conditions at Jamb and Head.

ATTACHMENTS:
1. Section 00001 – Addendum 1 Title Page
2. Section 00300 – Bid Proposal Form
3. Specification Section 08 80 00 Glazing
4. Drawing sheet A6.2 detail 14, (Bid Alternate No. 1)
5. Drawing sheet A6.3 detail 11, (Bid Alternate No. 1)
6. Contractor’s RFI

If you have any questions regarding this Addendum No. 1, please contact the Office of the Facilities Planning & Management in writing, via facsimile or email to Jovan Esprit, Contract Manager jesprit@4cd.edu.

All other terms and conditions of BID are to remain the same.

tBP/Architecture
1777 Oakland Blvd. # 320
Walnut Creek, CA 94596
(925) 246-6419
Architect of Record: Phil Newsom

END OF ADDENDUM #1
SECTION 00300
BID PROPOSAL FORM

PROJECT NUMBER / NAME: L-640 College Complex Level 2 Remodel Sectors 5A, 5B & 6

CAMPUS / LOCATION: Los Medanos College 2700 East Leland Road Pittsburg, CA 94565

DISTRICT: CONTRA COSTA COMMUNITY COLLEGE DISTRICT
500 Court St, Martinez, CA 94553

Herein Referred to as "District"

1. INTRODUCTION

A. The Bidder proposes to perform the Work for the Contract Sum and within the proposed Contract Time, based upon an examination of the site and the Bid and Contract Documents.

B. The Bidder certifies this Bid is submitted in good faith.

C. The Bidder agrees that the Contract Sum and other proposed terms will be considered in evaluating Bids and may be negotiated and adjusted before awarding of Contract.

D. The signed copy of the Certification of the Visit to the Site shall be attached to the Bid Form Submittal.

E. A fully executed Statement of Bidder's Qualifications signed by an authorized officer of the Bidder submitting the Bid shall be attached to the Bid Form.

F. A fully executed Non-Collusion Affidavit signed by an authorized officer of the Bidder submitting Bid shall be attached to the Bid Form.

G. The District shall award the contract to the lowest responsive and responsible Bidder. The evaluation of the low bid shall be based on the total of Item 2.A, Item 3, Bid Alternate No. 1 and Item 4, Allowance No. 1

H. The District reserves the right to award the other Additive/Deductive Alternates through change orders as budget allows

2. CONTRACT SUM

A. BASE BID: L-640 College Complex Level 2 Remodel Sectors 5A, 5B & 6
For labor, materials, bonds, fixtures, equipment, tools, transportation, services, sales taxes and other costs necessary to complete the general construction in accordance with the Contract Documents, for a stipulated Contract Sum in the amount of:

____________________________________________ Dollars ($______________________)
3. BID ALTERNATE No. 1 – Revise Curtain Wall System to a Storefront System

_____________________________________________ Dollars (____________________)

4. ALLOWANCE NO. 1 – Server Room relocation (see Section 01210, Allowances)

_____________________________________________ Dollars ( $100,000 ____________)

TOTAL BASE BID INCLUDING BID ALTERNATE NO. 1 AND ALLOWANCE NO. 1

_____________________________________________ DOLLARS (____________________)

5. COMPLETION TIME

A. For establishing the Date of Substantial Completion, the contract time for the Base Bid plus Allowance No. 1 shall be 165 calendar days after the date of the Notice to Proceed. This time may be subject to modification to facilitate the work as mutually agreed upon at a later date.

B. For establishing the Date of Final Completion, the contract time for the Base Bid plus Allowance No. 1 shall be 30 calendar days after the date of Substantial Completion.

C. The Bidder certifies that the Bid is based on the Contract Time for completion as stated above and in the Contract Documents. Bidder further certifies that the Base Bid amount is sufficient to cover all labor, materials, central office and construction site overhead, profit, and all other costs related to the completion of the Project for the entire Project construction time for both the General Contractor and all Subcontractors, as stated above in paragraphs 2 and 3.

6. ADDENDA

A. The Bidder acknowledges receipt of the following Addenda, and certifies the Bid has provided for all modifications and considerations required therein.

None [ ]

Addendum No.: ________ dated __________________

Addendum No.: ________ dated __________________
Addendum No.: _______ dated _________________

Addendum No.: _______ dated _________________

Addendum No.: _______ dated _________________

Addendum No.: _______ dated _________________

B. List of Additional Addenda Attached: Yes [   ] No. [   ].

7. DESIGNATION OF SUBCONTRACTORS

A. The Bidder has set forth a complete list indicating the type of work, name, and business address of each Subcontractor who will perform work in excess of one-half of one percent of the Contract Sum.

B. Any portion of the work in excess of the specified amount having no designated Subcontractor shall be performed by the Bidder.

C. Substitution of listed Subcontractors will not be permitted unless approved in advance by the District.

D. Prior to signing the Contract, the District reserves the right to reject any listed Subcontractor.

<table>
<thead>
<tr>
<th>Type of Work</th>
<th>Subcontractor’s Business Address</th>
<th>License #</th>
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E. Complete list of Subcontractors is attached: Yes [   ] No [   ]

F. Continuation list of Subcontractors is attached: Yes [   ] No [   ]

8. ACCEPTANCE AND AWARD

A. The District reserves the right to reject this Bid and to negotiate changes before or after execution of the Contract. This Bid shall remain open and shall not be withdrawn for a period of 90 days after Bid Opening date.
B. If written notice of acceptance of this Bid is mailed or delivered to the Bidder within 90 days after the date set for the receipt of this Bid, or other time before it is withdrawn, the Bidder will execute and deliver to the District a Contract prepared by District with the required Surety Bonds and Certificates of Insurance, within 10 days after personal delivery or deposit in the mail of the notification of acceptance.

C. Notice of acceptance or request for additional information may be addressed to the Bidder at the address provided.

9. **BID SECURITY**

   A. The required 10 percent (10%) Bid Security for this Bid is attached in the form of:

      ( ) Bid Bond Issued By: ________________________________

      ( ) Certified or Cashier's Check No.____________________ __________

      Issued by: ________________________________

10. **BIDDER'S BUSINESS INFORMATION**

    A. **Individual [ ]:** ________________________________

       Personal Name: ________________________________

       Business Name: ________________________________

       Address: ________________________________ Zip Code: __________

       Telephone: ________________________________

       Fax Number: ________________________________

    B. **Partnership [ ]:** ________________________________

       Co-partners' Names: ________________________________

       Business Name: ________________________________

       Address: ________________________________ Zip Code: __________
Telephone: ________________________________
Fax Number: ________________________________

C. Corporation [ ]:

Firm Name: ________________________________
Address: __________________________________
Zip Code ______________
Telephone: ________________________________
Fax Number: ________________________________
State of Incorporation: ________________________________
President: ________________________________
Secretary: ________________________________
Treasurer: ________________________________
Manager: ________________________________

D. Power of Attorney:

Name: ________________________________
Title: ________________________________

E. Contractor License No. ___________________ State of ________________

F. Bidder is submitting this proposal on behalf of a Joint Venture. Names, license numbers, and relevant information are given on a separate attachment:

Yes [ ] No [ ].

G. Upon request, furnish appropriate documentation to substantiate and/or support the data given.

11. The undersigned hereby certifies under penalty of perjury under the laws of the State of California that all the information submitted by the Bidder in connection with this Bid and all the representations herein made are true and correct.

Executed this day of ________________________________

Contractor’s License No. ___________________ Expiration Date ___________________
SECTION 08 80 00

GLAZING

PART 1 GENERAL

1.01 SECTION INCLUDES
A. Glazing
B. Glazing compounds and accessories.

1.02 REFERENCES
K. GANA (SM) - FGMA Sealant Manual; Glass Association of North America; 1990.

1.03 PERFORMANCE REQUIREMENTS
A. Select type and thickness of exterior glass to withstand dead loads and wind loads acting normal to plane of glass at design pressures calculated in accordance with California Building code.
   1. Use the procedure specified in ASTM E 1300 to determine glass type and thickness.
   2. Limit glass deflection to 1/200 or flexure limit of glass, whichever is less, with full recovery of glazing materials.
   3. Thicknesses listed are minimum.

1.04 SUBMITTALS
A. Comply with pertinent provisions of Section 01 33 00 - Submittals.
B. Product Data: Submit manufacturer’s product data for each glass product and glazing material required.
C. Samples for verification purposes:
   1. (2) 12-inch-square samples of each type of glass indicated except for clear monolithic glass products
   2. (2) 12-inch-long samples of each color required (except black) for each type of sealant or gasket exposed to view. Install sealant or gasket sample between two strips of material representative in color of the adjoining framing system.
3. (2) 12-inch square samples of privacy window film indicated.

D. Compatibility and adhesion test reports from sealant manufacturer indicating that glazing materials were tested for compatibility and adhesion with glazing sealants. Include sealant manufacturer's interpretation of test results relative to sealant performance and recommendations for primers and substrate preparation needed for adhesion.

E. Compatibility test report from manufacturer of insulating glass edge sealant indicating that glass edge sealants were tested for compatibility with other glazing materials including sealants, glazing tape, gaskets, setting blocks, and edge blocks.

F. Product test reports for each type of glazing sealant and gasket indicated, evidencing compliance with requirements specified.

G. Maintenance Data: Submit manufacturer's maintenance data for glass and other glazing materials.

H. Installation Instructions: Provide manufacturer's instructions for installation of privacy window film.

1.05 QUALITY ASSURANCE

A. Glazing Publications: Comply with published recommendations of glass product manufacturers and organizations below, except where more stringent requirements are indicated. Refer to these publications for glazing terms not otherwise defined in this Section or in referenced standards.


B. Safety Glazing Standard: Where safety glass is indicated or required by authorities having jurisdiction, provide type of products indicated which comply with ANSI Z97.1 and testing requirements of 16 CFR Part 1201 for category II materials.

C. Requirements of Regulatory Agencies:

1. California Building Code (CBC), Title 24, Part 2, Chapter 24. Comply with wind design requirements of Title 24, Part 2, Chapter 16A, Division II.


D. Grading and Labeling: Grade and label each light stating quality and grade of glass and manufacturer's name and brand designation. Leave labels intact until removal is directed by Architect.

E. Glazier Qualifications: Engage an experienced glazier who has completed glazing similar in material, design, and extent to that indicated for Project with a record of successful in-service performance.

F. Single-Source Responsibility for Glass: Obtain glass from one source for each product indicated below:

1. Primary glass of each (ASTM C 1036) type and class indicated.

2. Heat-treated glass of each (ASTM C 1048) condition indicated.

G. Single-Source Responsibility for Glazing Accessories: Obtain glazing accessories from one source for each product and installation method indicated.

H. Pre-Installation Conference: Conduct conference at Project site to comply with requirements of Division 1 Section, "Project Meetings".

1.06 DELIVERY, STORAGE AND PRODUCT HANDLING

A. Protect glazing materials to comply with manufacturer's directions and as needed to prevent damage to glass and glazing materials from condensation, temperature changes, direct exposure to sun, or other causes.
1.07 PROJECT CONDITIONS

A. Environmental Conditions: Do not proceed with glazing when ambient and substrate temperature conditions are outside the limits permitted by glazing materials manufacturer or when glazing channel substrates are wet from rain, frost, condensation, or other causes.

1.08 WARRANTY

A. General: Warranties specified in this Article shall not deprive the Owner of other rights the Owner may have under other provisions of the Contract Documents and will be in addition to and run concurrent with other warranties made by the Contractor under requirements of the Contract Documents.

PART 2 PRODUCTS

2.01 GLAZING TYPES

A. Type GL-1 - Clear Float Glass: ASTM C 1036, Type 1 (transparent glass, flat), Class 1 (clear), quality q3 (glazing select), 1/4 inch thick.
   1. Provide tempered glazing where required by CBC due to locations.

B. Type IGU type B - Sealed Insulating Glass Units:
   1. Application(s): exterior glazing where indicated on Window Schedule.
   2. Outboard Lite: Heat-strengthened float glass, 1/4 inch thick, minimum.
      a. Annealed Type: ASTM C 1036, Type I, transparent flat, Class 1 clear, Quality Q3 (glazing select).
      c. Tint: Clear.
      d. Coating: Low-E type, on #2 surface.
      e. See GL-10 below for glass.
      f. At Translucent Glass, See GL-11 below for glass
   3. Inboard Lite: Heat-strengthened float glass, 1/4 inch thick, minimum.
      a. Provide tempered glazing where required by CBC due to location.
   4. Total Thickness: 1 inch.

Tinted Low E Glass (Type GL-10): Float type, heat strengthened as tempered as required by code, bronze color.
   1. Coating on inner surface.
   2. Visible light transmittance of 41 percent, solar light transmittance of 20 percent, shading coefficient of 0.31.
   3. Comply with ASTM C 1036, Type I, transparent flat, Quality Q3 (glazing select).
   5. Thicknesses: As indicated; for exterior glazing comply with specified requirements for wind load design regardless of specified thickness. Minimum thickness 1/4 inch.
   6. Product: Viracon VE 4-2M #4

C. Tinted Low E Glass (Type GL-11): Float type, heat strengthened as tempered as required by code, bronze color.
   1. Applications(s) where shown on drawings elevations (hatched)
   2. Coating on inner surface ceramic frit: translucent frit Simulated sandblast V1086 #3
   3. Thicknesses: As indicated; for exterior glazing comply with specified requirements for wind load design regardless of specified thickness. Minimum thickness 1/4 inch

2.02 HEAT-TREATED FLOAT GLASS PRODUCTS
A. Fabrication Process: By vertical (tong-held) or horizontal (roller-hearth) process, at manufacturer's option, except provide horizontal process where indicated as tongless or free of tong marks.

B. Uncoated, Clear, Heat-Treated Float Glass: ASTM C 1048, Condition A (uncoated surfaces), Type I (transparent glass, flat), Class 1 (clear), Quality q3 (glazing select), 1/4 inch thick, kind as indicated below.
   1. FT (fully tempered) where indicated and per code.

### 2.03 GLAZING SEALANTS

A. General: Provide products complying with the following requirements:
   1. Compatibility: Select glazing sealants and tapes of proven compatibility with other materials they will contact, including glass products, seals of insulating glass units, and glazing channel substrates, under conditions of installation and service, as demonstrated by testing and field experience.
   2. Suitability: Comply with sealant and glass manufacturer's recommendations for selecting glazing sealants and tapes that are suitable for applications indicated and conditions existing at time of installation.
   3. Colors: Provide color of exposed joint sealants to comply with the following:
      a. Match colors indicated by reference to manufacturer's standard designations.
      b. Provide selections made by Architect from manufacturer's full range of standard colors for products of type indicated.

B. Sealant: 1-part silicone rubber glazing sealant complying with ASTM C 920, Type S, Grade NS, Class 25, Uses NT, G and A. Provide acid-curing type recommended by manufacturer where only nonporous bond surfaces are contacted; provide nonacid curing type recommended by manufacturer where one or more porous bond surfaces are contacted.

### 2.04 MISCELLANEOUS GLAZING MATERIALS

A. Cleaners, Primers and Sealers: Type recommended by sealant or gasket manufacturer.

B. Setting Blocks: Elastomeric material with a Shore A durometer hardness of 85 plus or minus 5 with proven compatibility with sealants used.

C. Spacers: Elastomeric blocks or continuous extrusions with a Shore A durometer hardness required by glass manufacturer to maintain glass lites in place for installation indicated.

D. Edge Blocks: Elastomeric material of hardness needed to limit glass lateral movement (side walking).

### 2.05 FABRICATION OF GLASS AND OTHER GLAZING PRODUCTS

A. Fabricate glass and other glazing products in sizes required to glass openings indicated for Project, with edge and face clearances, edge and surface conditions, and bite complying with recommendations of product manufacturer and referenced glazing standard as required to comply with system performance requirements.

B. Clean cut or flat grind vertical edges of butt-glazed monolithic lites in a manner that produces square edges with slight kerfs at junctions with indoor and outdoor faces.

### PART 3 EXECUTION

#### 3.01 EXAMINATION

A. Examine glass framing, with glazier present, for compliance with the following:
   1. Manufacturing and installation tolerances, including those for size, squareness, offsets at corners.
2. Presence and functioning of weep system.
3. Minimum required face or edge clearances.
4. Effective sealing between joints of glass-framing members.

B. Do not proceed with glazing until unsatisfactory conditions have been corrected.

3.02 PREPARATION

A. Clean the glazing channel, or other framing members to receive glass, immediately before glazing. Remove coatings which are not firmly bonded to the substrate. Remove lacquer from metal surfaces wherever elastomeric sealants are used.

3.03 GLAZING, GENERAL

A. Watertight and airtight installation of each piece of glass is required, except as otherwise shown. Each installation must withstand normal temperature changes, wind loading, impact loading (for operating sash and doors) without failure of any kind including loss or breakage of glass, failure of sealants or gaskets to remain watertight and air-tight, deterioration of glazing materials and other defects in the work.

B. Protect glass from edge damage during handling and installation as follows:
   1. Use a rolling block in rotating glass units to prevent damage to glass corners. Do not impact glass with metal framing. Use suction cups to shift glass units within openings; do not raise or drift glass with a pry bar. Rotate glass lites with flares or bevels on bottom horizontal edges so edges are located at top of opening, unless otherwise indicated by manufacturer's label.
   2. Remove damaged glass from Project site and legally dispose of off-site. Damaged glass is glass with edge damage or other imperfections that, when installed, weaken glass and impair performance and appearance.

C. Glazing channel dimensions as shown are intended to provide for necessary bite on glass, minimum edge clearance, and adequate sealant thicknesses, with reasonable tolerances. Adjust as required by job conditions at time of installation.

D. Comply with combined recommendations and technical reports by manufacturers of glass and glazing products as used in each glazing channel, and with recommendations of GANA's "Glazing Manual," except where more stringent requirements are indicated.

E. Apply primer or sealer to joint surfaces wherever recommended by sealant manufacturer.

F. Install elastomeric setting blocks in sill rabbets, sized and located to comply with referenced glazing standard, unless otherwise required by glass manufacturer. Set blocks in thin course of compatible sealant suitable for heel bead.

G. Do not exceed edge pressures stipulated by glass manufacturers for installing glass lites.

H. Provide spacers for glass sizes larger than 50 united inches (length plus height) as follows:
   1. Locate spacers inside, outside, and directly opposite each other. Install correct size and spacing to preserve required face clearances, except where gaskets and glazing tapes are used that have demonstrated ability to maintain required face clearances and comply with system performance requirements.
   2. Provide 1/8 inch minimum bite of spacers on glass and use thickness equal to sealant width. With glazing tape, use thickness slightly less than final compressed thickness of tape.

I. Provide edge blocking to comply with requirements of referenced glazing publications, unless otherwise required by glass manufacturer.

J. Set glass lites in each series with uniform pattern, draw, bow, and similar characteristics.
K. Provide safety glass in all hazardous locations as required by code, including the following:
   1. Provide safety glass for all glazed panels adjacent to a door, within the same wall plane as the door whose nearest vertical edge is within 12 inches of the door in a closed position and whose bottom edge is less than 60 inches above the floor or walking surface.
   2. Provide safety glass for glazed panels in excess of 9 square feet of area, where the lowest edge is less than 18 inches above the finished floor level or walking surface within 36 inches of such glazing.

L. Cut and install colored (tinted) and heat absorbing glass as recommended in “Technical Services Report No. 130” by PPG Industries.

M. Install insulating glass units to comply with recommendations by Sealed Insulating Glass Manufacturers Association, except as otherwise specifically indicated or recommended by glass and sealant manufacturers.

3.04 GLAZING

A. Cutting and Fitting Glass: Accurately cut and fit glass to opening size. Provide clearance for expansion. Cut and set glass to keep wave lines horizontal. Ensure sharp, clean cut glass edges.

B. Force sealants into channel to eliminate voids and to ensure complete “wetting” or bond of sealants to glass and channel surfaces.

C. Tool exposed surfaces of glazing liquids and compounds to provide a substantial “wash” away from the glass. Install pressurized tapes and gaskets to protrude slightly out of the channel, so as to eliminate dirt and moisture pockets.

D. Clean and trim excess glazing materials from the glass and stops or frames promptly after installation, and eliminate stains and discolorations.

E. Do not attempt to cut, seam, nip or abrade glass which is tempered, heat strengthened, or coated.

3.05 CURE, PROTECTION AND CLEANING

A. Cure glazing sealants and compounds in compliance with manufacturer's instructions and recommendations, to obtain high early bond strength, internal cohesive strength and surface durability.

B. Protect exterior glass from breakage immediately upon installation, by attachment of crossed streamers to framing held away from glass. Do not apply markers of any type to surfaces of glass. Remove nonpermanent labels and clean surfaces.

C. Remove and replace glass which is broken, chipped, cracked, abraded or damaged in other ways during the construction period, including natural causes, accidents and vandalism.

D. Protect glass from contact with contaminating substances resulting from construction operations including weld splatter. If, despite such protection, contaminating substances do come into contact with glass, remove them immediately as recommended by glass manufacturer.

E. Examine glass surfaces adjacent to or below exterior concrete and other masonry surfaces at frequent intervals during construction, but not less than once a month, for build-up of dirt, scum, alkali deposits, or stains, and remove as recommended by glass manufacturer.

END OF SECTION
Date: December 16, 2016

To: Alex Gourtzelis, Project Manager & Jovan Esprit, Contract Manager

Company: Contra Costa Community College District

Via E-mail: alex g@csipm.com and jesprit@4cd.edu

From: James Smith

Regarding: L640 College Complex Level 2 Remodel Sectors 5A, 5B, & 6
Bid Date: January 10, 2017

Please provide the following information / clarifications regarding the above Bid Package:

1) The specified aluminum storefront system is a thermally broken system designed for 1" glazing infills. In spec section 08 80 00, the only glazing mentioned is 1/4" clear glass and privacy window film. On sheet A5.0, keynote "7" notes a “translucent layer at the hatched areas”. Typically with a thermally broken storefront system, you would include a 1" IG Units with a Low E coating (at minimum) to maintain the thermal properties. There is no laminated glass, satin etch, sand blast, or translucent film specified. The privacy film noted in 08 80 00 - 2.06 is a blackout film, which is not considered translucent. Please clarify what types of glazing is to be used on this project.