

ADDENDUM NO. 6

Date: July 27, 2018

Health Center–Concessions and Parking Lot Phase 1A Irvine Valley College

Bid No. 350

South Orange County Community College District

General-All project documents including contract documents, drawings, and specifications, shall remain unchanged with the exception of those elements added, revised, deleted, or clarified by this addendum.

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Attachments

6 A. Specification Section 06 20 00 Finish Carpentry

6-1 Questions and Answers

Q1: Can the 76'6" netting posts be brought onsite in pieces, welded and erected, or do the posts need to be one continuous piece?

A1: Contractor shall provide the posts either (a) in one piece or (b) in two pieces maximum. Field welding of two piece pipe component shall follow all CBC requirements for implementation, testing and inspection. If delivered in two pieces, welding detail and approval shall be the responsibility of the contractor. As applicable, the Contractor shall provide structural welding requirements and engineering calculations by a licensed California Structural Engineer. Choice of the two piece option will require review by the Division of the State Architect (DSA) as a Construction Change Document (CCD) following DSA Interpretation of Regulations IR A-6. All fees associated with DSA's review and approval of the CCD will be the responsibility of the contractor. All schedule requirements for completion of the baseball netting installation remain unchanged.

Q2: On sheet C-1.50 construction note W2. Calls for a 2" PVC SCH 80 pipe. In spec section #2 under products calls for copper type K or PVC SCH 80. Which one do we use?

A2: PVC SCH 80.

Q3: On sheet C-1.50 construction note F6 Calls for a Fire Department Connection 6" x 2.5" x 2.5" and the spec section 2.9 calls for two 2.5" inlets and a 4" outlet. But the detail #9 on sheet C-5.00 calls for a 4 Way FDC. Which one do we use?

A3: 4 Way FDC.

Q4: Sheet C-1.50, construction note W5 calls for a custom 4' W x 3' H x 6' L Febco Enclosure and the Domestic Water does not. Do we include one for it? Please provide a detail for the concrete pad.

A4: All enclosures have been omitted. Concrete pad not required.

Q5: Sheet C-1.50, construction note W1 calls for a connection to the existing 2" main line. Is the existing pipe PVC SCH-80 or Copper?

A5: Pipe material is Type 'K' copper.

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Q6: Sheet C-1.50 construction note F1 calls for a connection to the existing 8" main line. Is the existing pipe PVC C900 or DIP?

A6: Assume PVC C900.

Q7: Please, advise if it is mandatory for the communication subcontractor to employ a BICSI Registered Communication Distribution Designer (RCDD) per Specification #27 05 00, paragraph 1.7A2.

A7: Irvine Valley College (IVC) is a Commscope Systimax cable infrastructure solution. Bidding contractors shall ensure communication subcontractor is Systimax certified with the ability to provide a 25 year manufacturer warranty. Panduit is not an approved solution for IVC. Communication subcontractor shall have a BICSI Registered Communication Distribution Designer (RCDD) on staff.

Q8: Per general conditions, 4.9.b, does the requirement for a qualified paleontologist for excavations that exceed five feet apply to the footings and light pole bases for the Health Center and Parking Lot?

A8: Per General Conditions 4.9.b, should excavations exceed five feet in depth, a qualified paleontologist shall be retained to conduct additional paleontological assessment using pre-construction geotechnical surveys to better define the subsurface geological feature of the campus.

Q9: Per details #3, 8, & 9/A8400, the polyiso insulation will be fastened and 1/2" glass mat faced cover board fully adhered. Per specification 07 54 23, part 3.3 & 3.4, the glass mat gypsum cover board will be fastened. Please, clarify.

A9: Insulation shall be fastened, cover board and membrane shall be adhered. Contractor to submit documentation showing compliance with FM 1-120 and Class A roofing.

Q10: Per elevation plans A3000, A3001, A3002, notes 096, 097 & 098 indicate installation of cement panels 16" vertical module, cement siding 7" exposure and aluminum fascia system. Details on A8200 indicate installation of 7/16" fiber cement panels and 5/8" fiber cement V groove siding but not aluminum fascia system. Please clarify.

A10: Fastening shown for sloped metal fascia. At other metal fascia, fasten with #10 SMS @ 12" o.c.

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Q11: Page 16 of the Bid Forms states the duration for the New Parking Lot 1A is 120 calendar days. However, the Supplemental Conditions article 3 states the duration is 140 calendar days. Please clarify the duration.

A11: The duration for the New Parking Lot Phase 1A is 140 days.

Q12: Division 1 references BIM requirements in various sections e.g. 01 33 00 page 3 and states to refer to the SOCCCD BIM Standards to identify which trades are required to use BIM. No such BIM Standards were included in the bidding documents. Please clarify.

A12: SOCCCD BIM standards are not applicable to this project.

Q13: In regards to article 1.5A on page 3 of section 01 11 00, please confirm that no such hazardous materials survey and report exists for this project.

A13: No hazardous materials survey and report is applicable for this project.

Q14: Please provide a rough carpentry specification for the work shown on the drawings (e.g. A8400, etc.).

A14: Refer to attached Specification Section 06 20 00 Finish Carpentry.

Q15: The wall type notes on A2400 uses "D – Plywood Sheathing" however, drawing A7000 doesn't indicate plywood. Please confirm there is no plywood sheathing on this project.

A15: There is no plywood sheathing for this project.

Q16: Please provide more information regarding the desired polished concrete finish per "F2" on A9000.

A16 Refer to revised Finish Schedule Sheet A9000, issued in Addendum No. 5. There is no polished concrete for this project.

Q17: Please issue specifications for redwood soffit noted in the keynotes on sheet A2700.

A17: Refer to attached Specification Section 06 20 00 Finish Carpentry.

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- Q18: Drawing A2402 appears to possibly indicate chain link or mesh fencing on the grandstands. However, article 2.02E of section 13 34 16 specifies a guardrail system. Please clarify the material to be used at these conditions.
- A18: Construction and materials for these applications shall be guardrail conditions as specified In Specification Section 13 3416 and provided as integral components of the overall bleachers system.
- Q19: Please clarify if the Division 1 specification for the Health Center / Concessions building also applies to the Parking Lot Phase 1A project as applicable.
- A19: Per Attachment 2 of the Supplemental Conditions, Division 1, General Requirements, contained in the Health Center-Concessions building specifications shall apply to both the Health Center-Concessions building and the New Parking Lot Phase 1A project.
- Q20: Please confirm that the Emergency Phone Towers (P11/C1.40 Lot 6 Drawings) and the Parking Ticket Dispenser (P18/C1.40 Lot 6 Drawings) are Owner furnished contractor installed.
- A20: Confirmed.
- Q21: For New Parking Lot Phase 1A Sheet 5/C5.00, please confirm no base is required under the concrete curb and gutter.
- A21: No base is required under the concrete curb and gutter. The subgrade is to be compacted per geotechnical report.
- Q22: Regarding specification section 013100 1.5.B, revised per Addendum 4, a superintendent and either a Project Manager or Field Engineer must be present at any time work is being performed. As a cost effective approach, will the District be willing to reduce the PM/PE requirement to part time after the parking lot portion of the project is completed?
- A22: The requirements of Section 013100 1.5.B remain as revised in Addendum 4.
- Q23: Special Conditions, Attachment 2 Work Areas and Parking, paragraph 2, all temporary fencing shall be covered with blue screening material. Section 015000, 1.16A states that temporary fencing be covered by green screening material. Please confirm that green screen can be used as a cost effective option.
- A23: Green screen is acceptable.

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Q24: Since the Health Center site as well as the parking lot site are not close to any educational building, please confirm that dB levels per 015619, 3.1 can be per Cal OSHA guidelines.

A24: The requirements of Section 15619, 3.1 remain unchanged.

Q25: Page 33 of the supplemental conditions calls for contractor to submit BIM record drawings at the end of the project. Please confirm that architect has made a BIM model of the building for our use and that CAD drawings will be provided for this purpose as well.

A25: BIM models will be made available to the contractor to facilitate completion of record drawings.

Q26: Please confirm which panel schedule to go by for Inverter "EMHS"? Drawing E0.4 shows an 8 circuit schedule and total of 3705 volt amps. Drawing E0.7 shows a 20 circuit schedule and total of 974 volt amps.

A26: The requirement for the Inverter Panel is 8 circuits, 1041 volt amps.

End of Addendum No. 6

SECTION 06 20 00
FINISH CARPENTRY

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Finish Carpentry Items, Other Than Shop Fabricated Casework.
- B. Hardware and Attachment Accessories.

1.3 REFERENCES

- A. The publications listed below form a part of this Section to the extent referenced. The publications are referred to in the text by the basic designation only. Refer to Division 01 for definitions, acronyms, and abbreviations.
- B. Unless otherwise noted, standards, manuals, and codes refer to the latest edition of such standards, manuals, and codes.
- C. Referenced Standards:
 - 1. PS 51-71 - Hardwood and Decorative Plywood.
 - 2. WI/AWI Architectural Woodwork Standards, including WI Supplemental Text.

1.4 SUBMITTALS

- A. Submit under provisions of Division 01.
- B. Shop Drawings: Shop drawings shall include details and erection data associated with the work of other trades; location; materials, species of wood; quality grade; type of finish; profiles, dimensions; fastenings and clearances. Detail drawings shall be either full size or 3" = 1'.
 - 1. The mill shall take and be responsible for all field measurements required for the proper fabrication and installation of the work. Show all field dimensions beyond control of mill.
 - 2. Coordinate dimensions and installation requirements of Owner furnished equipment.
- C. Certification:
 - 1. Submit WI Compliance certification covering all work of this Section prior to delivery of any materials to the job site.
 - 2. Grade mark and mill identification of the association having jurisdiction shall appear distinctly legible on the back of each piece of lumber and plywood. No marks shall appear on exposed faces of work to receive transparent or semi-transparent finish.
- D. Samples: Submit samples of all interior and exterior trim materials. Samples shall be finished as specified and submitted for color and material approval prior to delivery and installation.

1.5 QUALITY ASSURANCE

- A. Standards of Construction: All work shall be manufactured in accordance with WI/AWI Architectural Woodwork Standards, all supplements, and in the grades hereinafter specified.

- B. Installer's Qualifications: Use only journeymen finish carpenters who are thoroughly trained and experienced in the skills required for the cutting and fitting of trim and finish materials.
- C. Installation Acceptance: All rejected work shall be removed and replaced with no additional cost to the Owner.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Delivery: Do not deliver to the job site until suitable storage space is available.
- B. Storage, Handling and Protection: Provide all work or materials necessary to store, cover and protect all materials specified to be furnished and installed under this Section. Store all materials under cover in a well-ventilated enclosure and protect against extreme changes in temperature and humidity. Avoid any marring and keep the materials clean during handling and installation operations. Protect exposed finish work and materials after their erection from damage of any character. Work damaged shall be repaired or replaced by the Contractor without additional cost to the Owner.

PART 2 PRODUCTS

2.1 MATERIALS

- A. All Material Grades and Construction shall be WI Custom Grade, including all supplements, unless specified or indicated otherwise. Semi-exposed and other components shall be as permitted by WI/AWI Architectural Woodwork Standards for construction quality specified herein except as otherwise detailed or specified. Moisture content shall be in accordance with WI/AWI Architectural Woodwork Standards.
- B. Interior Trim, Opaque Finish: Birch, solid stock, S4S.
- C. Interior Hardwood Trim, Transparent Finish: WI custom grade birch, S4S, solid stock.
- D. Exterior and Interior Architecturally-Exposed Plywood: Redwood Heartwood, Heart Clear. Surfaced, smooth.
 - 1. Finish, Exterior, transparent finish:
 - a. 1st coat – Old Masters Exterior Water-Based Spar Urethane.
 - b. 2nd coat – Alkyd Semi-Gloss Sanding Sealer.
 - c. 3rd and 4th coats – Old Masters Exterior Water-Based Spar Urethane.
 - 2. Finish, Interior: Transparent finish as specified in Section 09 91 00, Part 3.8-H.
- E. Interior Plywood, Utility locations:
 - 1. Plywood back boards for electrical, telephone, and similar types of wall mounted equipment shall be provided as indicated and as required by design conditions. Unless otherwise specified, plywood shall be 3/4 inch thick, fire-retardant treated, exterior A-C plywood with "A" face exposed.
- F. Adhesives:
 - 1. For Interior Work: CS 35-61 Type II (water-resistant). Shall withstand cold-soak tests specified in PS 51-71.

- G. Fasteners: Bright finish nails for interior work; aluminum or galvanized nails for exterior work. Screws shall be cadmium plated.

2.2 FABRICATION, GENERAL

- A. Moisture content for all finish carpentry shall be between 6 percent and 12 percent, consistent with the average atmospheric conditions at the project.
- B. Scribing Allowance: Provide at walls, ceilings, etc., in accordance with WI/AWI Architectural Woodwork Standards.
- C. Trim Members shall have the reverse side "backed out" when they are 5/8 inch thick or more, or 1-5/8 inch or more wide.
- D. Surfaces: Machine sanded on all flat top face areas, smoothly machine run in all depressed flat surfaces and on molded contours. Sander marks shall be fine enough to be completely concealed by the painter's applied finish work. All members shall be finished true and straight, with all edges clean cut and all exposed surfaces free from all working defects.
- E. Lengths shall be those usually available in the species specified.
- F. Milling: All finish carpentry and millwork members shall be milled to dimensions and profiles indicated. Provide surface applied or plowed stops of the profile and dimension shown. Except where exact lengths can be determined, all members and materials shall be provided "long" for cutting and fitting in the field. Built-up members shall be fabricated as detailed and shall be carefully assembled to provide a finished product that is free from warp and defects and is true to line.
 - 1. Assemble in the mill in as large units as practicable to minimize field cutting and fitting. Where necessary to fit at the site, provide ample allowance for cutting and fitting.

PART 3 EXECUTION

3.1 CONDITIONS OF SURFACES

- A. Examine all framing, grounds, stripping and blocking to secure finish carpentry and trim. Do not install finish carpentry and trim until all defects are corrected.

3.2 INSTALLATION

- A. Workmanship Quality: All wood finish shall be installed level, plumb and true, with members neatly and accurately scribed in place. All trim shall be applied in lengths as long as practicable. Butt joints shall be beveled together, exterior angles mitered and interior angles coped, unless shown otherwise. All exposed nails and screws shall be set for putty unless indicated or specified otherwise.
- B. Wood Trim: Set plumb and square. Verify wall thickness for proper trim width. Anchor trim securely to structure to prevent rotation or damage. All wood trim installed in the field shall be carefully cut to length and all joints neatly made to provide for tight, rigid connections.
- C. Architectural Ceiling: System shall be installed as follows:
 - 1. Provide a smooth, straight, solid and clean ceiling surface.
 - 2. Install wood ceiling level, plumb and true.

3. Install trim as required for a complete, finished system.

- D. Plywood back boards for electrical, telephone, and similar types of wall mounted equipment shall be provided as indicated and as required by design conditions. Plywood back boards may be installed either horizontally or vertically.

3.3 MISCELLANEOUS

- A. Provide and install all miscellaneous finish carpentry items to conform to the workmanship quality specified above and shown on the Drawings. Millwork shall be installed in a neat, workmanlike manner, free of hammer marks and surface defects. Pieces shall fit together neatly with all corners mitered. Where items are indicated to be painted, do not install finish carpentry until it has been back-primed as specified in Section 09 91 00.

3.4 CLEAN-UP

- A. General: Keep the premises in a neat, safe and orderly condition at all times during execution of this portion of the work, free of accumulations of sawdust, cut-ends and debris.
- B. Clean-up: Upon completion of the work of this Section, remove all surplus materials, rubbish and debris from the premises and leave "broom clean."

END OF SECTION