ADDENDUM #5

SKYLINE COLLEGE
BUILDING 7 MODERNIZATION PROJECT
SAN BRUNO, CALIFORNIA

Steinberg Architects Project #06-015
DSA File #41-C1; DSA Appl. #01-108385
May 25, 2007

SUMMARY

This document includes requirements that clarify or supersede portions of the Request for Proposal. This Addendum is a Contract Document.

General

The following changes, additions and deletions shall be made to the following document(s); all other Conditions shall remain the same.

CHANGES TO THE PROJECT MANUAL

Item	Specification Section	Description
AD5.1	Table of Contents	Add Section 07620, Sheet Metal Flashing and Trim to Table of Contents.
AD5.2	07540	Section 2.1B; Omit 2.1.B and B.1. Substitute with “Tapered Rigid Foam Insulation: EPS Taper System, 1.5 lbs in 4’ x8’ panels by ACH Foam Technologies.”
AD5.3	07620	Add Section 07620, Sheet Metal Flashing and Trim under Division 7. Section 07620 attached.
AD5.4	12610	1. At paragraph 2.1.A.1, delete KI: Single Pedestal Seating and Substitute with: “ KI: University Seating with Piretti Torsion Shell in Poly”. 2. Delete all of paragraph 2.1.B.2, Tablet Arms, ‘G’ style Table Arm and substitute with: “2. Table Tops: University Seating table tops in nominal 1 ¼” thick, warp-resistant construction, center core of 1 1/8” thick Novoply particle board, minimum 45 lbs PCF density. Top surface with minimum .040” thick high pressure laminate meeting NEMA standards with bottom surface .040” thick phenolic backer. Laminate and backing

Item	Specification Section	Description

sheets to be permanently bonded to particle board core using a cross linking Poly Vinyl Acetate (PVA) adhesive."

3. Delete all of paragraph 2.1.B.3 and 2.1.B.4 and substitute with: "3. Shells; Piretti Torsion: Seats and backrests of molded compound-curved polypropylene with textured finish and two piece construction."

4. Delete all of paragraph 2.2.A and substitute with: "A. Electrical Components:
    1. PowerUp Module: 7" long x 3 ½" wide x 2 ½" high and fits into a 6 ¼" x 3" cutout allowing removal without tools and constructed of polycarbonate with textured finish, meeting UL-VO minimum requirements. The module to have two receptacles rated at 15 amps/125 volts and two locations for data connectors.
    2. Under-Surface Power and Data: Under-surface power and data with a duplex receptacle and two data ports concealed in a plastic protective shroud and mounted underneath the table top between seats opposite the base location.
    3. 8-Wire Harness: 8-wire harness of flexible conduit to distribute power between the power/data modules and the power infeed. Enclose harness in a plastic trough with a metal divider to separate power and communications or data cables.
    4. Receptacle Shroud Cover: PVC meeting UL 94-HB, 12" x 14" x 2" vacuum formed to house the connection of the 8 wire harness and the cord from the PowerUp module."

CHANGES TO THE DRAWINGS

Item	Dwg. No.	Add. Dwg No.	Description
ARCHITECTURAL			
AD5.5	A2.01	AD5-A8	At Mechanical Room 7101, add housekeeping pad for Mechanical units. Reverse swing of door 7101. See attached sheet AD5-A.

Item	Dwg. No.	Add. Dwg No.	Description
AD5.6	A2.02	--	At door between Room 7221 and 4 hour rated vestibule, add door number with symbol “7221C”.
AD5.7	A2.04	AD5-A1	1. Delete Detail 1, Roof Plan Drawing. Substitute with revised Roof Plan Detail 1. Revised plan changes roof slopes, added roof overflow drains, removes overflow scuppers at parapet. See attached Structural Sheet AD5-S1 for penetration requirements, and Plumbing Sheets AD5-PSK01, AD5-PSK02, AD5-PSK-3 for overflow piping. See attached sheet AD5-A1.
		AD5-A9	2. Delete Detail 13, Wall Detail at Existing Walkway. Substitute with new Detail 13. See attached sheet AD5-A9.
AD5.8	A2.05	AD5-A2	1. At Door Schedule – First Floor, revise door schedule Information for Door 7100H and 7100I at 4 hour vestibule enclosure. See attached sheet AD5-A2.
		AD5-A2	2. At Door Schedule – Second Floor, revise door schedule information for Door 7200D, add Door 7200E, add Door 7221C for door between 4 hour vestibule and Room 7221. See attached sheet AD5-A2.
		AD5-A2	3. At Door Schedule – Third Floor, revise door schedule information for Door 7300H, Door 7300I, Door 7320B at 4 hour vestibule enclosure. See attached sheet AD5- A2
AD5.9	A8.01	AD5-A3	1. Add new Detail 1, First Floor Opening Head Detail. See attached sheet AD5-A3.
		AD5-A4	2. Add new Detail 2, Seismic Joint Cover at Wall Transition. See attached sheet AD5-A4.
		AD5-A5	3. Add new Detail 3, Seismic Joint Cover at Ceiling Transition. See attached sheet AD5-A5.
		AD5-A6	4. Add new Detail 9, 2nd and 3rd Floor Opening, Head Detail. See attached sheet AD5-A6.
		AD5-A7	5. Revise Detail 20 to indicate existing conditions and new reference details at opening. See attached sheet AD5-A7.

Item	Dwg. No.	Add. Dwg No.	Description
AD5.10	A9.01	--	At detail 1, add 3 ½” stud size legend. Stud size properties to meet or exceed the stud size properties for 3 5/8” studs size noted.
AD5.11	A9.02	--	1. At cabinet type “TB”, add keynote “03”, Hinged Glass Doors. 2. At General Note B, delete note “ All Counter Tops to be Phenolic Resin UON”. Substitute with General Note B, “Counter Tops in Room 7203 Anatomy Physiology Lab, Room 7204 A & P Prep, Room 7208 Bio-Manufacturing Lab to have epoxy resin tops. All casework in these rooms to be per specification Section 12345, Laboratory Casework and Worksurfaces.”

STRUCTURAL

AD5.12	S5.2	AD5-S1	Add Detail 5.2K for coring slab and wall for overflow drains. See attached sheet AD5-S1.

PLUMBING

AD5.13	P2.01W	AD5-PSK01	At Sheet P2.01W, revise drawing to add overflow drain piping from roof. Daylight overflow at exterior wall below structural slab. See attached sheet AD5-PSK01.
AD5.14	P2.03W	AD5-PSK02	At Sheet P2.03W, revise drawing to add overflow drain piping from roof. Daylight overflow at exterior wall below structural slab. See attached sheet AD5-PSK02.
AD5.15	P2.04	AD5-PSK03	At sheet P2.04, revise drawing to add overflow drain and misc piping at roof. Daylight overflow at exterior wall below structural slab. See attached sheet AD5-PSK03.
AD5.16	P2.03	AD5-PSK04	At sheet P2.03, revise drawing to add misc shut offs and piping. See attached sheet AD5-PSK04.
AD5.17	P2.01	AD5-PSK05	At sheet P2.01, add HBs and misc notes. See attached sheet AD5-PSK05.
AD5.18	P6.01	AD5-PSK06	At sheet P6.01, detail 8, add note at trap. See attached sheet AD5-PSK06.

Item	Dwg. No.	Add. Dwg No.	Description
AD5.19	P4.01	AD5-PSK07	At sheet P4.01, revise plumbing fixture schedule. See attached sheet AD5-PSK07.
AD5.20	P2.02	AD5-PSK08	At sheet P2.02, revise misc. piping. See attached sheet AD5-PSK08.
AD5.21	P2.02	AD5-PSK09	At sheet P2.02, revise misc. piping. See attached sheet AD5-PSK09.
AD5.22	P2.02	AD5-PSK10	At sheet P2.02, reivse Key Notes. See attached sheet AD5-PSK10.
AD5.23	P2.01W	AD5-PSK11	At sheet P2.01W, revise misc. piping. See attached sheet AD5-PSK11.
AD5.24	P2.02	AD5-PSK12	At sheet P2.02, revise misc. piping. See attached sheet AD5-PSK12.
AD5.25	P2.02	AD5-PSK13	At sheet P2.02, revise misc. piping. See attached sheet AD5-PSK13.
AD5.26	P1.02	AD5-PSK14	At sheet P1.02, revise notes. See attached sheet AD5-PSK14.
AD5.27	P1.01	AD5-PSK15	At sheet P1.01, revise notes. See attached sheet AD5-PSK15.
AD5.28	P0.01	AD5-PSK16	At sheet P0.01, add to legend. See attached sheet AD5-PSK16.
AD5.29	P1.03W	AD5-PSK17	At sheet P1.03W, revise notes. See attached sheet AD5-PSK17.
AD5.30	P1.03	AD5-PSK18	At sheet P1.03, revise notes. See attached sheet AD5-PSK18.
AD5.31	P0.01	AD5-PSK19	At sheet P0.01, revise notes. See attached sheet AD5-PSK19.

ELECTRICAL

AD5.32	E3.01	--	At Classroom 7102, 7106, 7107, 7116, 7117, 7118, add clock mid point of side wall of room (90 degrees from teaching wall) per specification section 16870 Central Clock System.

Item	Dwg. No.	Add. Dwg No.	Description
AD5.33	E3.02	--	At Classroom 7203, 7208, 7213, 7220, 7221, add clock mid point of side wall of room (90 degrees from teaching wall) per specification section 16870 Central Clock System.
AD5.34	E3.03	--	At Classroom 7302, 7310, 7313, 7317, 7318, 7320, add clock mid point of side wall of room (90 degrees from teaching wall) per specification section 16870 Central Clock System.

CLARIFICATIONS

AD5.35	--	--	Pre Bid Questions

Q. Is there and elevator in the building and can it be used for construction?
A. There is an elevator in adjacent Building 8 which is shared with Building 7. The elevator cannot be used for construction.

Q. Is Corridor 2, Room 7200, on the 2nd floor required to be 1 hr rated?
A. Yes, Corridor 2, Room 7200, serves as an emergency exit for Bldg 8. The passageway must be maintained as a 1 hour exit and kept clear during construction.

Q. The door schedule indicates 6' h x 7' w (sheet A2.05), while sheet A2.03 (third floor plan) shows a 3' wide door. Confirm correct dimension.
A. Door 7300C to roof is 3' 0" x 7' 0" nominal.

Q. The specs describe a clock system. The drawings do not show this system nor the rooms that need clocks. Please specify.
A. Clocks are required in classrooms. Addendum 5 includes clock room locations.

Q. The specs describe as assistive listening system. The drawings do not show this system nor the rooms. Please specify.
A. No assistive listening system is required in this contract. Wireless system will be provided by the College.

Q. There is no specification for flashing and sheet metal.
A. Specification section is included in Addendum 5. Metal coping for roof is included in the roofing specification 07540 and is a system that is part of the roof component.

Q. There is a conflict on sheet A9.02, general note B which calls for all counter tops to be Phenolic Resin. Spec section 12345, 2.4. calls for epoxy resin. It is also not clear where lab casework and epoxy tops are located.
A. Addendum 5 clarifies conflict. There are no Phenolic Resin countertops. Epoxy counter tops and laboratory casework per Spec Section 12345 are to be included in Rooms 7203, 7204,

7208. Other rooms where casework is shown are per Spec Section 06411, Laminate Clad Wood Cabinets and 06416 Laminate Clad Countertops. Detail 9/A9.03 indicates detail for epoxy countertops. Sheet A9.02 indicates cabinet types. These cabinets types on the elevations sheets.

Q. The specs list G. E. for all switch gear, panels and transformers. Square D was used in Bldg 6 and 7A. Are other manufacturers besides G. E. acceptable?
A. Yes, acceptable.

Q. Lighting control; clarify.. spec call for 24 relays and the dwg E0.02 shows an 8 relay panel. Also the switch schedule shows (7) switched relays and one spare. On the 1st floor dwg there is LVw switch in the stairwell which is not shown on the switch schedule.
A. Provide the larger capacity either spec or dwg.

Q. The fire alarm dwgs only show mechanical equipment monitoring for AHU-7-1, AHU-7-2 and ACU-7-1. The fire alarm contractor needs to monitor all equipment shown on the mechanical drawings including the roof equipment. Indicate all necessary fire alarm devices from the mechanical drawings on to the fire alarm drawings. These devices will need to be circuited as part of the FA system.
A. Only fans moving air in excess of 2,000 CFM require and automatic means of shut off upon detection of smoke in their air stream. See CMC section 609. Only AHU-7-1, AHU-7-2, ACU-7-1 move more than 2,000 CFM, therefore only these units require automatic shut off and connection to the fire alarm system.

Q. Will the telecommunications contractor be responsible to provide and install the plywood backboards in the Telcom Rooms?
A. This decision is by the General Contractor but backboards must be included.

Q. Will the telecommunications contractor be responsible to provide and install the basket trays in the ceiling, and sleeves through the fire walls above the ceiling grid?
A. This decision is by the General Contractor but basket trays and sleeves are required.

Q. What will the copper feeder cables terminate on in the racks? The prints show patch panels and the RFP calls for rack mounted 110 blocks.
A. Terminate copper backbone cabling on the patch panels in the telcom rooms.

Q. Will the telecommunications contractor be responsible to provide and install the grounding busbars in the telcom room?
A. This decision is by the General Contractor but grounding busbars must be included.

Q. Do all walls shown on the architectural drawings as “to remain” have to be abated or just those shown on abatement drawings in dashed lines? What is the exact scope of the abatement contractor on those walls, are they disposing of the gypsum board and leaving metal studs?
A. Walls that have haz mat and are to remain will have the gypsum board removed. The metal studs will remain.

Q. Wall type ‘E’ is listed as 3 ½”. A9.01 only lists a 3 5/8” per detail 1; which is correct?
A. Wall type “E” only is 3 ½” to meet the UL listing for a 4 hour wall. Add a 3 ½” metal stud to the stud size legend in detail 1.

Q. In Room 7319, there is no demolition required per A1.03, but note 16 on A2.06 calls to reinstall casework? Please clarify.
A. Note 11 on sheet A1.03 refers to work stations that were added in a recent modernization for this room. These stations can remain if protected to completed the expanded room size in this contract work or removed, protected and reinstalled. Note 6 on sheet A2.03 added 2 work stations to match the existing.

Q. The details for metal stud headers differ on the architectural (A9.01) and structural drawings (S9.2). Which sheet takes precedence?
A. Acceptable to use S9.2 for stud headers or 3' or less.

Q. Key note 2 on P1.01W calls for an existing fixture (sink). Key note 4 on A1.01 shows that same fixture as being removed and not saved. Which is correct?
A. Remove fixture per architectural drawing.

Q. P1.03W references key notes that are not included in the list of notes on the right hand side. Provide additional notes.
A. Key notes will be added.

Q. P2.01 calls for 'concrete pad, see architectural drawings. No pads are shown on the architectural drawings.
A. Architectural drawings to include concrete pad as required.

Q. P2.01W: Does the (E) RWL remain per Key note 5 have to be rerouted per Key note 1?
A. Key note 1 will be eliminated from Plumbing drawing.

Q. Waste lines are not shown or require clarification for sizing do not provide location of level 1 tie-in and extent of demo at SOG.
A. Waste pipes will be revised for clarity.

Q. Sheet T2.01, note 1 details the conduit from the wall to the teachers desk under the new concrete slab for the sloped seating area, however, the limits of the new slab do not extend to the area between the wall and the teachers station shown on S2.1. Clarify routing requirement for this conduit.
A. Trench minimum depth and width of concrete to install conduit in this location. Patch as trench and prep for new floor. Use detail 5.3Q sim sheet S5.3 for repair.

Q. Sheets T6.01 and T6.03 are not coordinated and show existing tel/data outlets to remain on walls that get demolished per the architectural drawings. Confirm that all tel/data in walls to be removed per the architecturals are to be demolished as well.
A. Confirmed. All tel/data in walls to be demolished is to be removed.

Q. Provide layout and dimension drawing of existing openings that are going to be cut in by the abatement contractor and existing details of that area of the building. If we chose other access points into the building than the abatement contractor, who is responsible for patching the holes cut by the abatement contractor and what are the design details for that repair?
A. 3 access panel locations are noted for the abatement contractor. All will be on the exterior wall grid line 6 between grid line E and F in a 4" metal stud framed knock out panel wall (as shown in the existing bldg dwgs). On the first level, the opening will be 6' wide by 7' high from

the floor level which will provide access via a pair temp doors. On the second and third level, the opening will be 5' x 5' starting 3' above the floor level. Other access points may be selected by the Contractor but they must be in areas where existing knock out panels have been located. The repair of the openings along grid line 6 as noted above will be by the Contractor award the Bldg 7 Modernization Project. The repair is to match the existing condition. Specific details will be provided when the exact conditions of the existing wall construction and opening are determined.

Q. Section 07269 requests a unit price for sealing. There is no space on the bid form for this unit price. Are we to include only 10,000 sf of sealing in our base bid? What chemicals are being used to abate the existing flooring and mastic? The steps necessary to achieve 3 lbs can vary greatly depending on how the abatement is done.
A. Include cost for 30,000 sf of sealing. Owner may select to omit sealing of flooring if vapor emission rate does not exceed specified number.

Q. Backing requirements (gauge of material) are different between specification 09110 and details on S9.2. Are we to follow S9.2 and not the specifications?
A. Use backing requirements per S9.2.

Q. What is the piping specification for the lab air, lab vacuum, O2, CO2, LN2 and natural gas piping.
A. There is only piping for lab air/vacuum. The air/vacuum piping shall be type L Copper per NFPA-99. The gas piping shall be schedule 40 steel pipe.

Q. Are lab faucets, gas turrets, epoxy lab sinks and related items to be provided by the casework contractor?
A. See spec section 11604 for lab fixtures and section 12345 for epoxy sinks. The General Contractor is to determine who supplies the various components.

Q. Are the headwall units to be provided by the piping contractor? If so, what are the specifications?
A. The General Contractor is to determine who supplies the various components. Fittings are per spec section 11604. Headwalls outlet ports for compressed air or gasses show on the plumbing drawings. There is not a Hospital type manufactured head wall at patient bed area in Respiratory Therapy Lab area only wall outlets.

Q. Is the piping contractor to provide the Culligan DI water unit? If so what are the specifications?
A. No. DI unit will be furnished by the owner. The plumbing work will include rough-in and final connection.

Q. Is the piping insulation required for the existing rain water leaders?
A. Only the horizontal run located above the T-bar ceiling.

Q. What is the specification for the lab waste and vent piping?
A. The piping shall be DSA Fire Marshall approved 25/50 fuseal polypropylene.

Q. Except for sink SK-5, will all of the waste and vent piping use specification section 15150?
A. Yes.

Q. Provide more specific information for the CO2 regulating manifold shown on sheet P2.02 (i.e. no. of cylinders, auto switch over, alarm, etc.)
A. There is no CO2 piping. The CO2 tank, manifold and alarm will be furnished by the owner.

Q. Provide more specific information for the LN2 regulating manifold and piping connections shown on P2.02.
A. There is no LN2 piping…similar to CO2 piping per above.

Q. Keyed note number 9 on sheet P2.02 refers to medical air outlets installed per NFPA-99. Are these quick connect medical air outlets and are they to be provided by the piping contractor?
A. Provide air outlets per spec section 11604.

Q. Provide water heater specification. We do not know what the current water heater is to match.
A. The unit to be water to water heat exchanger with storage and control package similar to Cemline.

Q. The gas outlets shown on P2.02 do not refer to outlet types listed in the plumbing fixture schedule on sheet P4.01. Are any of the outlets listed in the fixture schedule used in the labs shown on sheet P2.02?
A. No. All laboratory outlets are in spec section 11604, Laboratory Fittings and Fixtures.

Q. Will the Unistrut frame for the lab air and lab vacuum in the Bio-Manufacturing Lab be provided and installed by the casework contractor?
A. Determination to be made by the General Contractor.

Q. Are any vacuum pumps going to be mounted in base cabinets in labs on the second floor as described in note 5 on sheet P2.02?
A. No. The main vacuum pump is located in the mechanical room.

Q. What are the heights of the aluminum storefront doors 7100E, 7100F, 7100G per section 08410.
A. Door schedule was not included in the exiting drawing package. Drawings when scaled indicate a 7' high door.

Q. What is the intent of the Schedule of Major Equipment and Material Supplier?
A. Include Schedule for HVAC Equipment.

Q. Verify the peeling and lead-based paint on classroom floors will be removed by the abatement contractor.
Q. Re: lead paint on the remainder of the finishes to be demolished ….. verify that it can be removed as "lead in construction". The hazmat report protocol is unclear. Section 1.2D addresses a negative air filtration system. This is not standard in lead-in condition.
Q. Would "wipe down and final clean" of walls and floors (Section 1.2G) be necessary after demolition? Would this fall under the demo scope? This also, is usually not part of lead-in construction protocols.
A. The abatement contractor should remove loose and chipping paint in the building. This includes paint on the floors. All remaining work impacting lead containing materials shall be performed in compliance with the requirements of 29 CFR 1926.62, Title 8 CCR 1532.1 and Cali-

fornia Health and Safety Code 105255. This will require that the work be performed in regulated areas and with engineering controls sufficient to control lead removal activities. It does not require negative pressure containment. The contractor shall be responsible for proper cleanup and disposal of lead containing materials generated by their work activities.

Q. Sheet A1.03 General Note ‘F’ calls for contractor to remove and store any equipment and furniture in way of demolition/new construction. What is extent of equipment and furniture; should an “allowance” be included for equitable adjustment, if the extent of work cannot be determined.
A. It is the Owners intent to have equipment and furniture removed prior to demolition. Do not include and “allowance” for this work.

Q. Sheet A0.03 indicates a Fire Dept Access Road. Does darkened area on sheet mean to imply a “paved” access road and if so what will the cross section of Access look like.
A. Yes, darkened area is for fire department truck access. The section has been designed to accommodate fire truck weights of 65,000 lbs.

Q. Demolition Sheet Note 5 on M1.01 through M1.04 calls for removal of any abandoned duct, pipe and equipment. Is the intent of Documents that all fire sprinkler lines be removed after capping at the first floor level?
A. Yes.

Q. Addendum note AD3.9 requests that hygiene tests be performed and paid for by Contractor in areas affected by mold and mildew. Clarify what quantity is affected by mold and mildew so that monies can be added to cover these tests and potential replacement. Should this be an “allowance” to be equitably adjusted when the quantity can be determined?
A. No, This is not an allowance item. Contractor is to protect installed work from moisture, mold, mildew, etc. Hygiene tests will be at contractor’s cost to insure Owner the final product is acceptable for occupancy.

Attachments:

Specification Section 07620
AD5-A1through AD5-A9
AD5-S1
AD5-PSK01 through AD5-PSK19

END OF ADDENDUM #5