October 5, 2012

Addendum #1

B12/9780

Northwest Campus New Building Expansion

SPECIFICATIONS for
Northwest Campus New Building Expansion

Dated: September 11, 2012

This Addendum supplements and amends the original Specifications and Drawings, dated August 30, 2012, and shall be taken into account in preparing Bids, and shall become part of the Contract Documents. In case of conflicts between the Specifications, Drawings, and this Addendum, this Addendum shall govern. Careful note of this Addendum shall be taken and all trades affected shall be fully advised for performance of the work. Acknowledge receipt of this Addendum in the space provided on the proposal form. Failure to do so may subject bidder to disqualification.

Item # I. See attached

End of Addendum #1
ADDENDUM NO. 1
CONSTRUCTION DOCUMENTS

Prepared by:
BURNS WALD-HOPKINS SHAMBACH ARCHITECTS
261 N. Court Ave.
Tucson, Arizona 85701

Project:
Pima Community College
Northwest Campus Expansion
Bid No. B12/9780

ADDENDUM NO. 1
October 5, 2011

All requirements contained in the Construction Documents dated August 30, 2012 shall apply to this Addendum, and the general character of the Work called for in this Addendum shall be the same as originally set forth in the applicable portions of the Contract Documents for similar Work, unless otherwise specified under this Addendum, and all incidental Work necessitated by this Addendum as required to complete the Work shall be included in the bids, even though not particularly mentioned in this Addendum.

This Addendum is hereby made a part of the Contract Documents.

DRAWINGS ISSUED: Structural Drawings AD1-S1 through AD1-S6
Lab Drawings AD1-LF01 through LF09; LP01 and LP02;
LE01 (revised engineer stamps)

SPECIFICATION SECTIONS ISSUED: None

GENERAL ITEMS: None

NARRATIVE REVISIONS TO SPECIFICATIONS:

1. Section 033000 – Cast-In-Place Concrete: Elevated walkways to receive penetrating concrete sealer shall be moisture or moisture-retaining cover cured as specified in 3.11 C. Do NOT use curing compound or other material that would inhibit absorption of penetrating sealer. See also Section 099000 – Painting.

ADDENDUM NO. 1-1
2. **Section 064023 – Interior Architectural Woodwork**
   A. Revise reference to laminate countertop on 1.2 A. 2. to provide laminate edges at shelving as shown on 7/A7.1. Brackets for shelving shall be same as those specified for the display case, in the sizes shown on 6/A7.2.
   B. Wood veneer for woodwork shown in Rm. 220 shall be plain sawn Birch transparent finished to match flush wood doors.

3. **Section 072100 – Insulation:** Acoustic blanket to be provided at Equipment 322 shall be non-print face.

4. **Section 081210 – Interior Aluminum Door Frames:** Add the following manufacturer to the list of Acceptable Manufacturers: DoorMerica, ABS Architectural Components, 866-566-2161.

5. **Section 084500 – Exterior Sliding Aluminum Doors:** Revise 2.3 A. Glass: Glazing for these units shall be 1” tempered insulating units as specified in Section 088000 – Glazing.

6. **Section 087100 – Finish Hardware and Hardware Schedule:** Add to list of acceptable locksets “Schlage (ND series)” (No Substitutes).

7. **Section 088000 – Glazing:** To clarify types of glazing materials:
   1. 1” insulated units with clear glazing and low-E coating for exterior window openings
   2. 1” tempered insulating units for exterior sliding doors and as needed for sidelights and framing
   3. ¼” tempered clear for exterior swing doors and interior (non-weathered) sliding doors, and for interior openings as needed
   4. 3/16” clear tempered for sliding service windows

8. **Section 096816 – Broadloom Carpet:** Revise section number in footing to “096816”.

9. **Section 099000 – Painting**
   A. Penetrating Water Repellent for Concrete and Masonry: Follow manufacturer’s recommended dilution rate for preparation of
sealer: 1:14 for vertical surfaces; 1:5 for horizontal surfaces unless otherwise stated. Seal all small cracks, holes and voids over 1/16".

10. **Section 222000 – Laboratory Plumbing**

A. Replace paragraph 2.1.B.1. with the following: “Provide ASTM D4101 Schedule 80 high purity homopolymer polypropylene (PP) pipe and fittings manufactured to iron pipe sizes to meet the dimensional tolerances of ASTM D2122, with socket electrofusion joints. Manufacturers: Georg Fischer +GF+ or approved equal.”

B. Replace paragraph 2.1.C.1. with the following: “Provide ASTM B 88, Type L, seamless, hard-drawn, tempered, copper tubing. Fittings shall be ASME B16.22, wrought copper, solder joint. All joints shall be soldered with ASTM B 32 lead-free alloys and water-flushable flux according to ASTM B 813. Use long turn elbows and Y-fittings.”

C. Replace paragraph 2.1.D.1. with the following: “Provide ASTM B 88 Type L, seamless, hard-drawn, tempered, copper tubing. Tubing shall be cleaned, capped and delivered certified for “Medical Gas”, "Oxygen Service", or equivalent cleanliness standard from the manufacturer. Fittings shall be ASME B16.22 wrought copper, brazed joints. All joints shall be silver brazed in accordance with ASTM F1076-87 with silver alloy filler Stay Silv 15, Sil-Fos 15, or equal.”

D. Replace paragraph 3.3.B.2. with the following: “Purified Water: Do not conceal any piping until satisfactorily tested. Test and prove tight under a hydrostatic pressure of 150 psi for a period of 4 hours and carefully check for leaks. Repair all leaks and re-test system until proven watertight with no loss of pressure or leakage allowed.”

E. Replace paragraph 3.3.B.4. with the following: “Laboratory Air: Test and prove airtight under an air pressure of 150 psig for a period of four (4) hours and bubble test all joints with a soap solution. Repair all leaks and re-test system until proven airtight with no loss of pressure or leakage allowed.”
NARRATIVE REVISIONS TO DRAWINGS:

Student Life:
1. **Sheet A2.1:** Wall type at new door (display case) is B1. Section 3/A2.1 makes it appear that it is masonry below, but it is 6" stud framing.

2. **Sheet A2.1 Dr. C205 and A2.2 Door Type D:** This opening is a total of 24 feet wide. Door type is not shown correctly – this is the 0XXX0 slider specified in Section 081630 – Interior (Non-Weathered) Aluminum Sliding Doors.

3. **Door and Frame Schedule:** Make the following revisions:
   - C205 – Revise as above.
   - D204A – Revise door and frame to HM.
   - D204B and D204C – Remove GLASS notation.
   - D204D – Revise to Type E.
   - D205B – Revise frame to AL.
   - D209B – Revise door and frame to HM.

4. **Sheet 5/A3.1:** Revise Section cut at right side to 1/A5.1.

5. **Sheet 1/A5.1:** Keynote 4 should indicate 2x2 grid only.

6. **Wall Types:** B1 should indicate EIFS on exterior sheathing over studs (typical EIFS).

Expansion:
1. **Sheet A2.1**

   A. **Detail 2:** Revise east/west wall by Dr. 105A to 8" studs to accept rain leader.

   B. **Keynote 2:** Incorrect this sheet only – fixed seating at Lecture Classroom 105 is specified in Section 126100 – Fixed Audience Seating.

2. **Rain Leaders:** Widen studs to 10" in east/west walls adjacent doors to accommodate rain leaders between Gridlines C/D, F/G, and H/J. Coordinate with Plumbing drawings.
3. **Sheet A4.2, Detail 5:** A 2" – 3" knockout will need to be provided in masonry to accommodate sweep of rain leader piping.

4. **Sheet A8.1, Detail 6:** Concrete stair shall consist of four (4) 12" deep risers (not 5 as shown).

5. **Sheet E1.1.0:** Change floor box symbol (square/circle/J) in symbol legend from FG to SP

6. **Sheet E1.2.0**
   A. Relocate receptacle from north wall to east wall in each of rooms 201, 202.
   B. Relocate receptacle from north wall to west wall in each of rooms 203, 204.
   C. Relocate receptacle from south wall to west wall in room 205.
   D. Relocate receptacle from west wall to north wall in each of rooms 231, 233, 235
   E. Relocate receptacle from west wall to south wall in each of rooms 232, 234, 236

7. **Sheet E2.1**
   A. Delete keynote 1 (card reader and cabling are not part of this project)
   B. Delete keynote 2 (magnetic switch and cabling are not part of this project).

8. **Sheet E2.2**
   A. Delete keynote 1 (Access control panel is not part of this project)
   B. Delete keynote 2 (card reader and cabling are not part of this project).
   C. Delete keynote 3 (magnetic switch and cabling are not part of this project).
   D. Refer to mechanical sketches XM-1 and XM-2. Add duct smoke detectors at each smoke damper location indicated in rooms 209, 212, and 237.

9. **Sheet E2.3**
   A. Delete keynote 1 (card reader and cabling are not part of this project).
B. Delete keynote 2 (magnetic switch and cabling are not part of this project).
C. Refer to mechanical sketches XM-3 and XM-4. Add duct smoke detectors at each smoke damper location indicated in rooms 303 and 326.

10. **Sheet E4.1**
A. Delete laptop, access controller, and power supply indicated in detail 1, they are not part of this project.
B. Delete keynote 2 & 3 (magnetic contact is not part of this project)
C. Delete keynote 7 (lock is not part of this project)
D. Delete keynote 8 (switch is not part of this project)
E. Delete keynote 10 (cable is not part of this project)
F. Delete keynote 13 (exit device is not part of this project)
G. Delete keynote 14 (laptop is not part of this project)

11. **SHEET E6.1**: Change circuit breaker EHF-37,39,41 from 125A to 60A.

END OF ADDENDUM NO. 1
PARTIAL PLAN - FIRST FLOOR FDN. (REF. S1.1)

1/8" = 1'-0"

AD1-S1
PARTIAL PLAN - FIRST FLOOR FOUNDATION AT STAIR #1 (REF. S1.1)

1/8" = 1'-0"
FOOTING AT FIRST FLOOR LECTURE CLASSROOM

3/4" = 1'-0"
**SECTION AT STAIR - STORAGE ROOM 106**

1/2" = 1'-0"

**WALL SECTION**

1/2" = 1'-0"
PARTIAL SECOND FLOOR FOUNDATION PLAN (REF. S1.2)

1/8" = 1'-0"
PARTIAL SECOND FLOOR FRAMING PLAN (REF. S1.2) 1

1/8" = 1'-0"

7#4 CONT. IN 3" STRUCTURAL SLAB, EQUALLY SPACED IN WIDTH OF WALKWAY, 1 1/2" BELOW TOP OF SLAB.
PIMA COMMUNITY COLLEGE
NORTHWEST CAMPUS BUILDING EXPANSION

JOB NO: 1106.000
DATE: 5 OCTOBER 2012

LABORATORY FURNISHINGS
THIRD FLOOR ENLARGED PLAN (REF: LF2 3B)

SHEET NO AD1-LF04
1. FOR FUME HOOD PRE-PIPING REFER TO:

2. FOR FUME HOOD SAFETY LABEL REFER TO:

3. ALL KNEE OPENINGS BELOW CHEMICAL FUME HOODS TO BE METAL

---

DUCT WORK: REFER TO MECHANICAL DRAWINGS

DUCT TRANSITION

FLUORESCENT LIGHT FIXTURE

RECTANGULAR EXHAUST COLLAR (SEE EXHAUST SCHEDULE FOR SIZE)

FIXED BAFLES

8" x 18" INTERIOR ACCESS PANEL W/ PVC GASKET

FUME HOOD BENCH WORKTOP (DISHED CONSTRUCTION)

CUP-SINK AND SINK OUTLET TAILPIECE (UNDER DM. 11)

"P" TRAP AND FINAL CONNECTION (UNDER DM. 22)

2" PVC VENT PIPE 4" ABOVE WORK SURFACE. SILICONE SEALANT AT BENCHTOP PENETRATION (WHERE CORROSIVE CABINETS OCCUR)

UNISTRUT PIPE SUPPORT ASSEMBLY, MINIMUM (2) PER HOOD

FINISHED FLOOR

---

FUME HOOD - FLUSH SILL COMBINATION SASH

1/2" - 1" - 0"

---

ADDENDUM #1

LABORATORY FURNISHINGS DETAILS (REF. LF.4)
1. FOR FUME HOOD PRE-PIPING REFER TO:

2. FOR FUME HOOD SAFETY LABEL REFER TO:

3. INVERT THE LG AND LV HANDLES/ FITTINGS, SO THAT ONE OF EACH IS AT ACCESSIBLE HEIGHT. AT 5'-0" ADA HOOD IN ORGANIC CHEMISTRY. SEE ALSO HOOD ELEVATION ON:

4. ALL KNEE OPENINGS BELOW CHEMICAL FUME HOODS TO BE METAL.

NOTES:

FUME HOOD - COMBINATION SASH - (ADA)

1/2" = 1'-0"
addendum #1
LABORATORY PLUMBING
THIRD FLOOR ENLARGED PLAN
(REF. LP2.3A)