

FINAL BID DOCUMENTS

ADDENDUM NO. 3, April 1, 2008

RECEIVED
SAMBE CONSTRUCTION CO. INC.

APR 11 2008

1650 HYLTON ROAD
PENNSAUKEN, NJ 08110

RE: The College of New Jersey – New Art and IMM Building
2000 Pennington Road
P.O. Box 7718
Fredericksburg, VA 22401
EYP Project No. 1006041.01

FROM: EINHORN YAFFEE PRESCOTT
Architecture & Engineering, P.C.
The Flour Mill
1000 Potomac Street, NW
Washington, DC 20007-3238

TO: Prospective Bidders

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated **20 February 2008** as noted below. Acknowledge receipt of this in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

This Addendum consists of (**118**) Pages, including (**29**) pages of Specification sections, (**18**) Sketches and (**49**) Full Size Drawings with the revised date of **1 April 2008**.

THIS ADDENDUM CONTAINS THE FOLLOWING DOCUMENTS

CHANGES TO PRIOR ADDENDA

1. Not Applicable

CHANGES TO PROJECT MANUAL

1. SECTION 02500 – BITUMINOUS PAVING AND SURFACING, BITUMINOUS SIDEWALKS
 - a. 1.2.1 change "1989 Edition" to "2001 Edition"
2. SECTION 04720 - CAST STONE

Add Paragraph 2.3.B as follows:

- B. Cast stone units shall match the selected face brick FB-3, Glen Gery Tuscan Buff/Speck W-42 or Cunningham Brick Oatmeal modular, as specified in Section 04810.

3. SECTION 04810 - UNIT MASONRY ASSEMBLIES

Add paragraph 2.4.D and subparagraphs as follows:

- D. Alternate Product: Subject to conformance with requirements, provide the following products.

- (i)FB-1: Redland Brick Middle Plantation.
- (ii)FB-2: Redland Brick Jaslor.
- (iii)FB-3: Cunningham Brick Oatmeal modular.

4. SECTION 07720 - ROOF ACCESSORIES:

- a. page 5 Add the following to become 2.6.A.1. Roof pavers to be 24"x24"x1-7/8" color and texture to be selected from manufacturers standard colors and textures.

5. SECTION 08710 – DOOR HARDWARE:

3.7.L Set #10 -

Delete 2 Push Plate: Ives 8302,

Delete 2 Pull Plate: Ives 8102,

ADD 1 Exit Device: Von Duprin 99NL-996L-06-313AW,

ADD 1 Exit Device: Von Duprin 99DT-996L-06-313AW,

ADD 2 Lockset: Corbin Russwin ML2010-NSA-MR-LC-613,

ADD 1pr Manual flush bolt: Ives FB457-US10B

6. SECTION 100801 – TOILET AND BATH ACCESSORIES

a. 2.2.B.1 – Replace TBD with "Basis-of-Design – Bobrick B-385 or B-388"

b. 2.2.B.2 - Replace TBD with "Basis-of-Design – Surface mounted units Bobrick B-262, Recessed units Bradley-Bradex247"

c. 2.2.B.3 - Replace TBD with "College furnished and installed"

d. 2.2.B.4 – Replace TBD with "not used"

e. 2.2.B.5 –Replace TBD with "Basis-of-Design – Single access napkin disposal unit used at female toilets with push door and removable waste container, Rubbermaid – 6140".

7. SECTION 12355 – INSTITUTIONAL CASEWORK

2.8.b – Replace "solid brass" with "brushed Aluminum"

8. SECTION 13851 – ADDRESSABLE FIRE ALARM SYSTEM

Insert reissued section attached.

9. SECTION 15145 – DOMESTIC WATER PIPING SPECIALTIES

Add subparagraph 2.5.A.10 as follows:

10. Color coded type for both hot and cold water.

Add subparagraph 2.11.B.18 as follows:

18. 1.0 gpm minimum flow rate.

Correct title of paragraph 2.12 to read:

DOMESTIC HOT WATER EXPANSION TANK AT ELECTRIC WATER HEATER ONLY

10. SECTION 15158 – ACID WASTE PIPING SPECIALTIES

Insert reissued section attached.

11. SECTION 15410 - PLUMBING FIXTURES

Add subparagraph 1.1.A.12 as follows:

12. Emergency eye wash.

Add new paragraph 2.15 as follows:

2.15 EMERGENCY EYE WASH – EW

A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

1. Guardian.

- B. Description: Guardian G1806 deck mounted eye wash mounted on front right hand side of sink nearby, 90 degree swivel type, two GS Plus spray heads with integral removable ABS plastic spray cover, reticulated polyurethane filter, self regulating flow control, integral "flip-top" dust cover, stay open ball valve, epoxy coated cast aluminum flag handle.

12. SECTION 15446 – SUMP PUMPS

Insert subparagraph 2.2.A as follows. Renumber subsequent subparagraphs

- A. See Architectural drawings for location, piping and accessories and detail.

Revise subparagraph 2.2.C.10 to read as follows:

10. Coordinate with detail on architectural drawing.

Insert new subparagraph 2.2.E as follows:

E. Pump Capacity:

1. 5 gpm.
2. 51 feet of head.
3. Electrical Data: 240 volts, 1.2 HP, single phase, 60 cycle, 360 rpm.

13. SECTION 15447 – SEWAGE EJECTOR

Delete the last sentence in subparagraph 2.2.B.3.

14. SECTION 15590 - FUEL OIL SYSTEM

Revise Paragraph 2.3.B to read as follows and add subsequent subparagraphs:

B. Piping, Fuel Oil, Underground:

1. Flexible, double wall containment piping shall consist of a flexible inner primary pipe contained within a flexible outer containment pipe. All piping runs shall be continuous, whereby there shall be no fittings or piping connections, for either the primary or secondary containment pipe which are not visible or accessible from the above ground surface. The secondary containment system shall provide water tight containment of the tank's piping and its associated fittings.
 - a. Product Compatibility: All components of the double wall piping system shall be compatible with the products to be stored.
 - b. Corrosion Resistance: All components of the double wall piping system shall be made of non-corrosive materials, or if metallic, such as the fittings and couplings, isolated from corrosion causing elements.
 - c. Structural Integrity: The outer secondary containment system shall be of such a design and made of materials to have sufficient strength to withstand the maximum underground burial loads and tested in accordance with AASHTO M294. The flexible inner primary piping system shall be capable of withstanding liquid pressure five times greater than the designated operating pressure.
 - d. Integrity Testing: The outer secondary containment system shall undergo an air pressure hold test (3 to 5 psi) after installation and before the final backfill. The flexible

inner primary piping system shall be subject to 60 psi air pressure hold test prior to final backfill.

- e. Provide product tight and secure pipe and conduit exits at connection to remote fill port.
- f. Double wall piping system shall be Enviroflex as manufactured by Total Containment, or approved equal.

- 1) Primary pipe shall be composed of three layers of advanced thermoplastic surrounding by protective polyester braid and bonded to a polyurethane covering. Secondary pipe is corrosion resistant corrugated high-density virgin polyethylene.

Add Paragraph 3.2.B as follows, renumber next paragraph as 3.2.C:

- B. Install underground piping in accordance with manufacturer's instructions.

Add Paragraph 3.2.D as follows:

- D. After installation and before backfill, test all underground fuel oil piping.

15. SECTION 15835 - EXHAUST AND VENTILATING FANS

Insert reissued section attached.

CHANGES TO DRAWINGS

LANDSCAPE REVISIONS:

1. Refer to Sheet L1.1:

- Revised planting locations, entire sheet reissued.

2. Refer to Sheet L1.2:

- 6 furniture schedule – change quantity for teak seat bench from 17 to 15.

CIVIL REVISIONS:

3. Refer to Sheet CE-2:

- Added note
- Added demo of existing storm
- Curbing within hatched area to be removed
- Entire sheet reissued

4. Refer to Sheet CE-3:

- Added note for the start of the parking lot construction

5. Refer to Sheet CE-4:

- Added inlets adjacent to new walk at Music Building

6. Refer to Sheet CE-5:

- Changes made to routing of underground utilities.

7. Refer to Sheet CE-6:

- Added connections from RWC to storm on East side of new building

8. Refer to Sheet CE-7:

- Added notes

9. Refer to Sheet CE-9:

- Revised details for the concrete sidewalk and fire lane paving reinforcement.

10. Refer to Sheet CE-10:

- Added inlet detail

ARCHITECTURAL REVISIONS:

11. Refer to Sheet A101, A102, A103, and A104:

- Add General Note "7. Install mop shelf in all janitor closets."

12. Refer to sheet A102:

- Add wall in wall in Design Storage 120.1 see sketch ADD-A-03.
- Add counter in RM 110.1 see sketch ADD-A-07

13. Refer to sheet A103:

- Move FEC located west of elevator to wall just left of column 10H.
- Add counter in RM 214, see sketch ADD-A-08

14. Refer to sheet A104:

- Move FEC located in lobby 342 to right of elevator outside of room 319.
- Sloped floor in mechanical room shown, see attached sketch ADD-A-05.

15. Refer to sheet A203:

- Add detail 9 Mockup wall, see sketch ADD-A-09.

16. Refer to sheet A405

- Delete details 6, 7, and 8.

17. Refer to sheet A409

- This new sheet has been added.

18. Refer to Sheet A701

- Eliminated built in shelving in A 6/A701
- Added keyed doors to base cabinets in C 6/A701
- Entire sheet reissued

19. Refer to Sheet A702

- Revised base cabinets for acid neutralization tanks. 7/A702
 - Added counter elevation 5/A702
 - Eliminated 2/A702
 - Entire sheet reissued
20. Refer to Sheet A703
- Changed shelves on standards to cabinets 4/A703
 - Changed shelves on standards to cabinets and added cabinets 3/A703
 - Added cabinets and changed all counter tops to stainless steel 2/A703
 - Eliminated 1/A703
 - Entire sheet reissued
21. Refer to Sheet A704
- Added Storage RM 120.2
 - Revised Storage RM 120.1
 - Revised casework B 2/A704
 - Entire sheet reissued
22. Refer to Sheet A706
- Added projection screen 2/A706
 - Revised 3/A706
 - Clarified shelves on standards
 - Added counter 9/A706
 - Entire sheet reissued
23. Refer to Sheet A707
- Added cabinets in Graphics 4/A707 See sketch ADD-A-09
24. Refer to Sheet A708
- Revised Slide Library Island 5/A708
 - Revised Slide Library elevations
 - Entire sheet reissued
25. Refer to Sheet A709
- Revised Light Table Section 10/A710 – entire sheet reissued
26. Refer to Sheet A710
- Added drawing storage see sketch ADD-A-10
27. Refer to Sheet A711
- Added details 11 and 12 – entire sheet reissued
28. Refer to sheet A901
- In door schedule doors 227.3, 227.4, 227.5, and 227.6 change door material from SC WD to ST.
 - Entire schedule reissued

29. Refer to sheet A903:
- Window hinge side shown, entire sheet reissued.
30. Refer to sheet A905:
- Added rooms entire sheet reissued.
31. Refer to sheet A906:
- Added TERR-1, Entire sheet reissued.

STRUCTURAL REVISIONS

32. Refer to Sheet S102:
- Masonry wall type along A between 1 & 3 and 12 & 14 revised from MW-2 to MW-3.
 - Masonry wall type along 1 between C & D revised from MW-2 to MW-4.
 - Masonry wall type along 1 between E & F revised from MW-2 to MW-3.
 - Masonry wall type at stair 3 and stair 2 revised from MW-1 to MW-2.
 - Masonry wall type at stair 3 and stair 2 along G revised from MW-1 to MW-3.
 - Masonry wall type along 12 between B & C revised from MW-2 to MW-3.
 - Masonry wall at the intersection between B & 12 revised to structural tubing and footing F6 with pier P1 added.
 - Entire sheet reissued
33. Refer to Sheet S103:
- Callouts added to explicitly indicate concrete lintels at wall openings.
 - Masonry wall type at intersection between 1 & E revised from MW-4 to MW-3.
 - Masonry wall type along 3 between B & C revised from MW-2 to MW-4.
 - Masonry wall type at intersection between 3 & D revised from MW-2 to MW-3.
 - Masonry shear wall along E between 3 & 12 are explicitly shown as type MW-4.
 - Masonry wall type along 12 between B & C revised from MW-2 to MW-3.
 - Concrete lintels at the intersection between 12 & B revised to steel lintel L1.
 - Entire sheet reissued
34. Refer to Sheet S104:
- Callouts added to explicitly indicate concrete lintels at wall openings.
 - Ramp slab framing revised.
 - Entire sheet reissued
35. Refer to Sheet S105:
- Roof framing for the corridor leading to mechanical rooms along 2 & 13 had been revised.
 - Member sizes for beams along H & J are clearly indicated.
 - Entire sheet reissued
36. Refer to Sheet S302:
- Detail 9 had been revised to indicate wall and footing reinforcements.
 - Entire sheet reissued

37. Refer to Sheet S303:

- Bond beam spacing for masonry wall types MW-6 & MW-7 as shown on detail 10 revised from 4'-0" to 2'-0".

38. Refer to Sheet S402:

- Detail 4 is added to clearly indicate the typical slab mesh reinforcements.
- Details 17 & 18 are added to show slab-to-beam connections at ramp slabs.
- Entire sheet reissued

39. Refer to Sheet S403:

- Details 10, 11 & 12 are added to shown construction details for roof at the corridor leading to mechanical rooms.
- Entire sheet reissued

PLUMBING REVISIONS

40. Drawing Number P001:

- Added "Powerwash" fixture to "Plumbing Fixture Connection Schedule",
- Added notes 35 and 36 to "Plumbing Fixture Connection Schedule".
- See Sketch Number ADD-P-01 issued in addendum #3

41. Sketch Number ADD-P-02, Drawing Number P002: The following revisions are per direction from the State of New Jersey Code Official:

- Removed elevator pit sump pump requirements in "Plumbing Pumps Schedule", same requirements are listed in appropriate division 15 specifications.
- Added note at bottom of same schedule.

24. Sketch Number ADD-P-03, Drawing Number PF101:

- Revised sanitary piping due to addition of "Powerwash" fixture and acid waste monitoring system between and near columns AA-3 and C-3.

25. Sketch Number ADD-P-04, Drawing Number P101:

- Per direction from State of New Jersey Code official: the elevator pit sump pumps, associated accessories, and piping near column 9-I has been transferred from this drawing to the architectural drawing on same floor, revised keyed note 10. Revised incoming domestic water service and backflow preventer, revised location of domestic cold water branch line for mechanical system domestic cold water make-up.

26. Sketch Number ADD-P-05, Drawing Number P200: Per direction from State of New Jersey Code official:

- Transferred elevator pit sump pump detail from this drawing to appropriate architectural drawing.

27. Sketch Number ADD-P-06, Drawing Number P201:

- Added "ANSI" number to thermostatic mixing valve.

28. Sketch Number ADD-P-07, Drawing Number P303: Riser Diagram #1:
 - Revised incoming pipe and backflow preventer size, revised location of branch line for added hot and cold water hose bibs and associated piping for added "powerwash" fixture., revised keyed note 4.
29. Sketch Number ADD-P08, Drawing Number P304: Riser Diagram #1:
 - Added storm drainage piping and associated riser designations from roof drains in accordance with floor plan on Drawing Number P103 along curved column line ZZ.
30. Drawing Number P102:
 - Added storm drainage riser designations from roof drains along curved column line number ZZ.
 - Revised acid waste piping, acid vent piping, sanitary waste piping, sanitary vent piping, domestic water piping and accessories, to accommodate addition of acid waste monitoring system and "Powerwash" fixture near and between column lines 2-A and 2-C. Also added keyed notes in same area.
 - Revised routing and added wall mounted access panel for sanitary riser designation S/14 near column line 3-C
 - Revised keyed notes 5, 11, and 16. Added keyed notes 17, 18, 19, 20, and 21.
 - Per direction for State of New Jersey Code Official, transferred elevator pit sump pump discharge piping spilling on grade from this drawing to architectural drawing of same floor.
31. Drawing Number P301:
 - Revised keyed notes 1, 3, 6, and 7.
 - Revised piping on riser diagram #1 for addition of "powerwash" fixture, acid waste monitoring system, and floor interceptor near "powerwash" fixture.
 - Revised drainage fixture units for riser diagram #2.

MECHANICAL REVISIONS

32. Refer to Sheet H102:
 - Change fan labeling of fan "EF-8" to "EF-7". Fan is located near the intersection of column lines E and 14.
33. Refer to Sheet H601:
 - Air Handling Unit Schedule: change AHU-2 return fan from "RF-2" to "external".
34. Refer to Sheet H601:
 - Air Handling Unit Schedule: change AHU-3 return fan from "RF-3" to "-", indicating no return fan for this unit.
35. Refer to Sheet H601:
 - Air Handling Unit Fan Schedule: move RF-2 from this schedule to H603.
36. Refer to Sheet H603:
 - Exhaust/Transfer Fan Schedule, add return fan RF-2 from H601.

37. Refer to Sheet H603:

- Exhaust Fan Schedule: add new exhaust fan EF-7 Location- TRASH/RECYCLING LOADING 105, Serves - TRASH/RECYCLING LOADING 105, the remainder of the information is identical to TF-1.

ELECTRICAL REVISIONS

38. Refer to Sheet E001:

- Added Specification for ups for Dark Room

39. Refer to Sheet E102:

- Revised Switching for corridor track lights.

40. Refer to Sheet E103:

- Revised Switching for corridor track lights.
- Added ceiling mounted Power outlets have been for photography lights in room 203
- Lights near north wall put on separate switch in room 224
- Added new note

41. Refer to Sheet E201:

- Location shown for building meter.
- Location of Transformer for PS2 show in AV storage room.
- Added new Notes.

42. Refer to Sheet E202:

- Added one circuit in rooms 112 and 114.
- Added Emergency Push Button for Panel PS2 in room 108.
- Added shunt trip breaker for Panel PS2.
- Added ceiling mounted cord reeled power in room 108.1.
- Added floor outlets and outlets on unistrut in room 113.
- Added power for spray booth and Air compressor in room 108.
- Added weather-proof outlets for welders in sculpture yard.
- Relocated the Panel PS2 with shunt trip circuit breaker.
- Relocated Blue light Telephone.
- Added new Notes.
- Added power for acid controller (plumbing) in room 118.
- Added power for electronic Trap Primer (plumbing) in room 118.

43. Refer to Sheet E203:

- Added floor outlets for desk/table in rooms 209 and 211.
- Added outlets on east and west wall in room 204 and 205.1.
- Added floor outlets for podium in rooms 215, 216, 217 and 218.
- Added quad outlets at two end of the island in room 212.
- Added UPS power for dark room booths in room 212.3.
- Added new Notes.

44. Refer to Sheet E301-E304:

- Added new General Notes
- 45. Refer to Sheet E401-E402:
 - Added new Breakers and feeders for panel PS2 and Building meter
 - Added new Note
- 46. Refer to Sheet E402:
 - Added new Breakers and feeders for panel PS2 and Building meter
- 47. Refer to Sheet E502:
 - Revised schedules for Panel PBM1, P1E1 and P1E2
- 48. Refer to Sheet E503:
 - Revised schedules for Panel PS1 and PS2
- 49. Refer to Sheet E504:
 - Revised schedules for Panel P2E1 and P2E2

TELECOMMUNICATION REVISIONS

- 50. Refer to sheet T001:
 - Revised faceplate configuration refer to sketch ADD-T-01
- 51. Refer to sheet T003:
 - Butterfly diagrams call for 48/48 fiber from Art to Kendall. Change to match Section 16700, 96/96 cable.
- 52. Refer to sheet T302:
 - Layer was left off, entire sheet reissued.
- 53. Refer to sheet T303:
 - Deleted floor box in room 221.
- 54. General revisions:
 - The backboards shall be painted matte-black with two coats of fire-resistant paint.
 - All references to Category 6 shall be changed to read Augmented Category 6.
 - All fibers and fiber patch panels are to be terminated in and provide termination for ST-type connectors.
 - Labels for riser and backbone cables shall be applied via self-laminating tags physically secured to the cable; adhesive labels for these cables are not permitted.

- Adjust twisted-pair cable testing to accommodate for Augmented Cat 6 testing requirements.
- Provide certificates for ADC/KRONE TrueNET and Corning EWP program warranties on horizontal twisted pair and horizontal/riser/backbone fiber installations.
- Conduits shall be capped immediately after initial installation to reduce incidence of moisture intrusion and collection within the conduit. Before installation of the cabling, conduits shall be swabbed dry.
- Horizontal cable management components in racks is provided by The College. Horizontal cable management components for the wall-mounted termination field are listed in the specifications and provided by the Installer.
- Headend description includes references to fire alarm and security connections. Fire alarm connection is to be made as described in Section 13851, and security system connections are made within the Art building via network equipment (provided by the owner) tied to the Campus network.
- Cables intended to be "spare" shall be indicated as such on the shop drawings, in both the termination field diagrams and the floorplan diagrams. Each cable shall be properly identified and terminated on both ends, and tested in accordance with testing requirements set forth in the specifications.

RESPONSE TO BIDDER QUESTIONS

1. There is a clarification needed for ACT-2, the specs call it out to be Armstrong tile #3257-2'x4' w/Sonata Grid and the Material Schedule Section 09001 calls it out to be a USG Curvatura #D system Perforated Panel A116 2'x6'. Which is correct?

Act-2 is USG Curvatura as per material schedule.

2. Spec section 12355 references "the college of NJ Standards Manual". Please provide a copy of this document.

Disregard reference to TCNJ standards.

3. The hardware shown on enlarged details, Dwg A711, conflict with what is listed in specification section 12355, what takes precedence, the drawings or the specs?

Refer to specification section 12355 for casework hardware. Door and drawer pulls to be brushed aluminum finish.

4. On drawing T303 it appears that the desks/tables in rooms, 211, 209 and 221 have data outlets. No electrical outlets are shown on drawing 203. Should there be floor receptacles?

Power floor outlets have been provide in rooms 209 and 211. There shall be no floor Data outlet box in room 221 accordingly there shall be no floor power outlets.

5. On drawing T303 in room 221 no data outlet is shown for the tables /desks. Please clarify the number of cables to each table/desk.

There shall be no floor Data outlet box in room 221.

6. Please verify that the scale of site plans for the E-series and T-series drawings are correct. Distances between drawings do not match.

E002 scale 1:30, E003 scale 1:16, E004 scale 1:30, and T002 scale 1/32"=1'-0"

7. In the specification on page 16700-10 lines 14, 15, and 16 it reads that we need to supply and install a 96mm/96sm, 144/144, and 24/24 composite cables. On print T-401 in the Fiber Optic Backbone and Riser section it reads 48mm/48sm, 144/144, and 48/48. Which one should I use in order to get the correct amount of hardware?

The riser diagram T-401 is correct

8. How are we to get the correct footages for the OSP cables? Should we make an appointment with the College of NJ to visit the site to walk off footages? The prints are not to scale or I would use them instead.

See answer to question #6 above for drawing scale.

9. Who is going to supply the conduit footage from the main Telecommunications closet to the first floor closet of both East and West Risers?

This is the responsibility of the bidder.

10. Are we to supply and install the 100pr cables from Greene 9 to Greene 13? (print T401 section Copper Telephone Backbone and Riser.

Yes.

11. Please provide more information on the Blue light phones. I could only find the material information in the specification.

Locations shown on the following sheets E002 and E202.

12. Will the bid form be available in an electronic format? The reason for our question is that the documents received from the printer had the areas where the bid form had gray or other coloring is very hard to read.

No.

13. Is 1 copy of the bid form required to be submitted?

Three (3) copies are to be submitted.

14. Is there a specific bid bond form to be used or can the surety provide their standard form. The only bond forms we saw in the specifications were the Performance Payment Bond and Surety Disclosure and both these documents are submitted by the awarded contractor.

The surety can provide their standard form.

15. In the General Conditions of the Contract, page 12 item J, please advise if the pictures can be taken by the contractor's superintendent via digital camera and submitted to the College via a CD or does the contractor have to hire a professional photographer?

Digital Camera is acceptable as long as the pictures meet the size requirements. The pictures cannot be printed on paper.

16. In the General Conditions of the Contract, page 19 item J, please advise if the contractor is to hire an independent scheduler or does the contract permit the contractor to do a schedule via its project manager?

The contractor is permitted to perform the scheduling themselves. Upon final acceptance of the schedule, all parties will sign off on the schedule and the original schedule will be filed with TCNJ.

17. In the General Conditions of the Contract, page 30 article 14.a, please advise specifically what the 2 year HVAC Systems warranty is to include. Does it include the controls and equipment, or does it include the ductwork, hydronic piping etc.

The warranty should be for the entire HVAC system.

18. Bonds and insurance are considered direct cost items. For any additional or deleted work, will the college allow the mark-up for bonding cost and insurance costs which are both variable cost of the project?

Bonds and Insurance are to be included in the mark ups as defined in the specifications, Division 1 for the sub-contractors and/or the prime contractor.

19. In specification 01 320 1.5.B & C, please concur that the 40' office trailer that is being supplied for the Owner & Architect is the same trailer that will be used for Project Meetings?

Yes, the trailer will be used for project meetings. This is a separate trailer to what the contractor will be using.

20. In specification 01320 1.9, can the contractor use a 6'temporary fence in lieu of 8'?

No, the fence shall be 8' and have full height windscreen in accordance with the drawings.

21. Specification 0221 0 paragraph 1.3 indicates that the contractor is providing a geotechnical engineer. This is in conflict with DCA bulletin 03-5 dated 11-2003 and New Jersey Administration Code 5:23-2.20.b. These two documents are very clear that inspection of steel, concrete, masonry, soils, veneers, spray-on fire materials, and EFIS are covered under these sections. Every project we do today, the fees are paid by the owner, but the coordination of the inspection is by the contractor. Please concur.

TCNJ has hired a third party agency for inspections, however the contractor is required to monitor their own work and are required to coordinate the inspection and testing work.

22. Specification 02500 1.2.1 references the 1989 Edition. The most current edition is 2001.

The section has been amended in addendum #3.

23. Due to the volatility of the petroleum market, the NJDOT standard specification allows for fuel and asphalt price index adjustment for asphalt. Please concur that this project will also have same or have the bid documents provide an allowance that all contractors bidding will use.

There are no price adjustments or allowances in this project.

24. Specification 02721 paragraph 1.3.1 indicates that the storm structures are to be sealed by a NJPE. This is typically not the norm. Would the College consider deleting this requirement?

The requirement for sealed drawings on drainage inlets and manholes is common. This is to assure that the structures can safely support traffic loads and construction vehicles. Virtually all inlets and manholes are supplied by concrete precasters today. The precast companies are accustomed to this requirement, and they do provide product cuts with a professional engineer seal for your product submittal.

25. On drawing L1.1 and L1.2, we only found 15 benches, yet 17 accounted for on the schedule. Should we base the bid on the schedule?

15 benches per the drawings. The schedule has been revised in addendum #3.

26. On drawing S302 detail #9 please provide the following:

- a. Concrete beam along CL-14 does not have a schedule
first floor plan on dwg S102 indicates beam B-1 while concrete beam schedule shown on 12/S303 indicates its size and reinforcements
- b. Concrete grade beam size and spacing of stirrups are unknown
#4@12" oc stirrups.
- c. Concrete curb on top of the grade beam, horizontal rebar is unknown
(2) #5 continuous horizontal bars E.F.
- d. Concrete footing size and spacing of stirrups is unknown
#6@10" oc U-Bars top & Bottom.

27. On drawing S101 the wall along column line 1 between 5 and 6.5

12" conc. wall detail shown in detail 14 of dwg S302 indicates the wall reinforcements. Section cross reference mark is shown at First Floor framing on dwg S102

28. T1 track in corridors has dual controls. How are we to accomplish this? Two runs of T1 or two circuit track?

Switching arrangement have been revised in the corridors and issued in addendum #3.

29. Drawing T302 does not show any telephone or data outlets. Are there none on this floor of the building?

A drawing layer was not turned on, the sheet has been reissued in addendum #3

30. Drawing T301 1st floor of the Art building does not have the communications symbol need. The rest of the floors are ok.

Drawing T301 is the basement level. Drawing T302, first floor, has been reissued in addendum #3

31. On the floor prints the Teacher locations have a symbol that indicates 1-voice, 2-data, and 1-coax. The print with the symbol diagrams has a symbol that indicates 1-voice, 4-data, and 1-coax. Which of the two should we use for the Teacher locations on this project?

The floor prints, the symbol diagram has been changed.

32. What is the scope of work for the security? No specification provided.

Pathways and junction boxes shown on electrical drawings.

33. What is the scope of work for the AV drawings?

The scope of work of the AV work is listed on the AV drawings to include power, data, media, conduits and wire installation, and the support components for the owner supplied devices. The AV equipment except for the projection screens will be bid out at a later date. Bidders are to provide and install the projections screens as part of the Art Building base contract.

34. On drawing T303 it appears that the desks/tables in rooms 211, 209, and 221 have data outlets. No electrical outlets are shown on drawing E203. Should there be floor receptacles?

Refer to the answer per Item #4.

35. On drawing T303 in room 221 no data outlet is shown for the tables/desks. Please clarify the number of cables to each table/desk.

Refer to the answer per Item #6.

36. No details of sitting wall on site drawings.

Sitting wall was issued with addendum #3

37. No spec for terrazzo tile.

Terrazzo has been added to finish material key and was issued with addendum #3

38. No spec for "shelving" shown on casework elevations.

Shelves are 3/4" PBD with plam finish on bruched aluminum brackets and standards.

39. No spec for mesh partitions.

The information for the mesh partitions is on sheet 5/A002

40. Reinforcing of slabs on deck unclear is mesh required.

Detail 4/S402 is added and issued with Addendum #3

41. No spec or detail for grating @ areaway.

Grating is specified in 05500 2.4 gratings, and detailed on 2/A305 and 9/A405.

42. No spec for pavers to roof deck.

Roof pavers are to be 24"x24"x1-7/8", color and texture to be selected from manufacturers standard colors and textures.

43. Is "equipment" shown on drawings A110, A111, A112 by owner?

Equipment shown on drawings A110, A111, and 1112 are both by owner and part of the FFE package to be released later. All is owner furnished equipment, refer to note 3 on A001 "the contractor shall install all owner furnished equipment according to manufacturers instructions."

44. Where is sprayed acoustic insulation room noted in spec does not exist.

Sprayed acoustic Insulation is not in the job.

45. No spec for folding partition.

Information for folding partition is on A406 details 1, 2, and 3

46. Note 8 & 9 on A102: no spec provided. Are they by G.C?

Basis of design is listed on drawings, darkroom standard finishes. Enlarger stations are by G.C.

47. No detail or spec for sight proof louver drawing A306.

The sight proof louver was removed from the project.

48. Detail 14 S304 indicates mesh on slab on deck no other details show mesh. If mesh is required specify.

Detail 4/S402 is added and issued with Addendum #3

49. Detail 1 on A713 what is 1st floor isolation system, no spec.

1" floor sound isolation system is in spec section 07210 2.8

50. Where do detail 7, 8 (A405) apply.

These details no longer apply. Details 17 & 18 on dwg S402 are also added and issued with Addendum #3.

51. Confirm extent of piers designation P3 & P4 on grid lines 14, 3.

Piers P3 & P4 extend up to the Third Floor

52. What is profile of wood base?

Wood base is shown on 6/A709

53. No spec or details on yard gates (both pairs)

See information is included in addendum #3

54. Ref dwg A103 notes 8 & 9 no spec provided.

Basis of design is listed on drawings, darkroom standard finishes.

55. Dwg A105 grids 13 & 2 between 1 & H. How is corridor constructed walls & roof? Structural dwg & architectural contradictory see 1/A305.

Structural plan on dwg S105 is revised and details 10, 11 & 12 on dwg S403 are added and issued with Addendum #3.

56. Spec for black out shades missing.

Black out shades are specified in section 12494

57. How are black out blinds supported no details provided.

Black out shades are 'ceiling mounted' to the window head.

58. How are perimeter footing drains & underslab drains constructed? Plumbing drawings have no details.

The drawings indicate sizes and invert elevations of the foundation drainage piping. Plumbing specification 15160, paragraph 2.1 indicates the material of same foundation drainage piping. A general note will be added to plumbing drawing P001, "General Notes" as follows: Foundation drainage piping shall be sloped at .5 % unless indicated otherwise.

59. The A200 series elevations do not clearly indicate what is a window and what is storefront. Sections in the A300 series are also unclear with regard to this differentiation. The only plan details we find on A717 show 4 1/2" storefront. Nowhere is there a window plan detail and the specified storefront is a 6" system not 4 1/2" system. The window elevation dwgs A903 and A904 are also unclear. The window spec mentions both casement and projected windows and thought you could interpret some of the double lines show on various elevations as operables, the dashed lines usually utilized to show swing are not indicated. Please clarify which elevations are to be storefront, which are window and where the operable are located.

W7, W10, W15, W23 and W24 are curtain wall at 5 1/4". The remainder are storefront with window units inset into the storefront. YKK storefront YES 600 is available in both 4 1/2" and 6" Windows are all casements revised drawings are issued in addendum #3.

60. Please be advised that there is no model numbers listed in the spec book or on the drawings for the plumbing fixtures. Please provide model numbers.

Specifications 15410 and 15415 describes all the fixtures.

61. A905- finish schedule does not call for toilet rooms B03 & B04
A603 - (1) shows toilet rooms B03 & B04. Detail, (4) shows base tile. Will rooms B03 & B04 receive floor and wall tile?

Finish schedule updated in addendum #3

A905- finish schedule calls for wall tile CWT 1, 2, 3 in rooms 106, 107, 206, & 207.

Yes, wet walls behind plumbing fixtures, see reissued finish schedule

A601 - 8, 9, 13 shows base only.

This is correct.

A601 - 7 shows wall at the lavatory section.

Eliminate tile from wall at this section.

What will the extent of the wall tile be? What will be the % of CWT 1, 2, 3?

CWT1=15%, CWT2=15%, CWT3=70%

CWT 1, 2, 3 does not match what is called for in spec's 09310-4, 2.2, A.I and 09310-5, A.I different manufacturers and materials.

The finish material key on A906 shows the correct tile.

62. T1 track in corridors has dual controls. How are we to accomplish this? Two runs of T1 or two circuit track?

Refer to the answer per Item #28.

63. No mop shelves are shown. Does one go in all (4) janitor closets?

Yes, note 7. "Install mop shelf in all janitor closets" has been added to all plan sheets in addendum #3.

64. (5) Toilet accessories are marked in section 10801 as TBD. A basis of design is required. Please advise!

Section 10801 has been revised in addendum #3.

65. No sanitary napkin dispensers are shown. Are any required?

Sanitary napkin dispensers are not required.

66. The floor plans show that all grab bars are 36" long. ADA required 42" bars at side of the toilets as show on the typical mounting height elevations. What length are the bars in the ambulatory stall?

Grab bars are per the typical mounting 1/A601. Grab bars in the ambulatory stalls are 42".

67. Brick 1 & 2 are molded brick (FB1& FB2) Glen Gery 50dd.they are only available in type FBS. Spec calls for (FBX-FBS address the size tolerances of the brick) FBX carries a tighter tolerance then FBS. Note: most of the campus has molded brick on it all FBS brick.

Brick per spec. Note: Second brick added per addendum #3.

68. Ramped floor on S104 not shown on third floor arch. plan please clarify.

Ramped floor has been shown on A104 and issued in addendum #3

69. Is a projection screen required in RM 103?

Yes, one projection screen is required in RM 103.

70. Doors 2C1, 2C3, 3C1, 105A, 1C2A, 3C3 & 1C4A are pairs of fire rated doors with hardware group #10. Hardware group #10 is not fire rated (push and pull. plates). Please advise correct hardware requirements.

Doors 2C1, 2C3, 3C1 and 3C3 are no longer in the project. Door 105A is not rated. Doors 1C2A and 1C4A to receive hardware group #10. Hardware group #10 has been updated in addendum #3.

71. Doors 342 and 345 do not show a hardware group. Please advise hardware group required.

Listed doors are no longer in the project. Refer to updated door schedule released in addendum #3.

72. Pair of doors 108.1 calls for hardware group #9 which is for single doors. Please advise correct hardware group.

Doors to receive hardware group #11.

73. Pairs of doors 1C2 and 1C4 do not show up on the floor plan (Drawing A102.) Please advise if these doors exist. If they do exist, we will need the correct hardware group because specified group 2A is not correct for pairs of fire doors.

Listed doors are no longer in the project. Refer to updated door schedule released in addendum #3.

74. Please confirm that keyed lock cylinders are not part of Section 08710: TCNJ door hardware standard guide states "keying and cylinder needs will be provide by the college's representative."

TCNJ will provide keying and cylinders. Contractor is to provide construction cores only.

75. Please confirm that all aluminum door hardware is to be provided by Section 08411.

Section 08411 2.3 ENTRANCE DOOR SYSTEMS C. Hardware – 2. Closers, 3. Cylinders, and 4. Exit Devices refer to Division 8 Section “Door Hardware”

76. STC55 Acoustic Doors are specified to be wood doors. STC55 is only available as hollow metal. Wood doors with an STC 53 rating are available. Advise if hollow metal is acceptable or if STC 53 wood doors are preferred.

STC 55 doors are to be steel.

77. Dust Collector tagged DCU-1 - shown on dwg. H102 and scheduled on dwg. H603. Need specification and basis of design manufacturer & model number.

Refer to Specification section 15835 – EXHAUST AND VENTILATING FANS reissued in addendum #3

78. Dwg. H102 shows a transfer fan tagged EF-8 in room 105. Dwg. H105 shows a roof fan tagged EF-8. Dwg. H603 fan schedule indicates EF-8 as a roof fan. Please advise.

Will change fan model number to inline fan. Will renumber EF-8 in room 105 to EF-7.

79. Air handling unit tagged AHU-3. Schedule on dwg. H601 indicates return fan tagged RF-3. This fan is not noted in the air handling fan schedule on dwg. H601 or the exhaust/transfer fan schedule on dwg. H603. Please advise.

No return fan required for AHU-3. Reference will be deleted on H601, Air Handling Unit Schedule.

80. Air handling unit tagged AHU-2. Fan RF-2 is indicated as part of unit AHU-2 in the schedule on dwg. H601. It is shown as external to AHU-2 on dwg. H302. Please advise.

Schedule will be revised to indicate external exhaust fan for AHU-2.

81. Drawings E301 to E304 security drawings general notes and key notes are X out is this correct?

General note have been added on sheets and issued in addendum #3.

82. Security specifications are missing. Who is responsible for security?

See response to question #32.

83. Drawing T302 does not indicate that there are any telecommunication devices required?

A drawing layer was not turned on, the sheet has been reissued in addendum #3.

84. Who is the fire alarm vendor for college?

TCNJ does not have a specific vendor however TCNJ uses a UL listed fire alarm system installed and maintained by Honeywell.

85. Who is the telecommunication vendor for college?

There is no one specific telecommunication vendor for the college. The college will allow any installers on site that meet the specification/certification criteria.

86. On sheet AV2.02 room 205 who furnishes and installs 2" steel pipe grid?

G.C. is responsible for steel pipe grid.

87. Who do I need to contact for a site visit?

Please contact Tony Gattone at 609-771-3315.

88. There are audio visual drawings, but there are no audio visual specifications.

See answer to question 33.

89. Is a CPM consultant required to attend the montly meetings?

Answer: No

90. Is the CPM a dollar-loaded CPM to be used to determine payment?

Answer: No

91. The photographic requirements differ. The college asks for 4 sets of 4 views. The architect asks for 3 sets of unknown views.

Answer: 1 set of 4 or more views via digital camera is acceptable.

92. In the case of other conflicts that may arise which set of general conditions take precedent.

Answer: The Most stringent.

93. The Architects General conditions ask for what appears to be a daily narrated videotaping of construction. If not please provide more information regarding how often and long the taping should be and what the end product should consist of.

Answer: Videotaping shall occur 1X a month.

94. On the finish schedule dwgs A-905, stair #1 is to have a TERR-1 flooring. This type of flooring is not shown on the finish material key drawing A-906. Also, there is no spec for Terrazzo flooring. Please advise.

TERR-1 has been added to the finish material key and reissued with addendum #3

95. There are no specs. or details for interior signage for this project.

A signage spec and revised door schedule were issued in addendum #1

96. There is no Audio Visual specification. Please advise.

See answer to question 33

97. It isn't clear on the dwgs. Which windows are to receive window treatments. The only window treatment specified is roller shades and they are not shown on all exterior windows. Do exterior windows get any window treatments?

Per general note 6. on A102, A103 and A104 "install roller shades at all windows" Please note that several rooms receive blackout shades indicated by key note 1 on plans.

98. The AV bidders are requesting a full set of AV drawings including the facility and flow drawings, complete AV specifications and a complete AV equipment list in order to provide us a price.

See answer to question 33.

99. We request the following clarification based on a budget of \$20M. the liquidating damages would be \$10,000/day which seems excessive. In an effort to avoid over pricing or protection pricing against liquid damager we suggest a more typical dollar amount be used such as \$1000/day on substantial completion only: Answer: Liquidated damages stand as written. Another minor issue which should be clarified is article #16 of the contract and paragraph R of page 34. That references auditing our bid. We can appreciate reviewing back up for change orders by bid pricing would seem moot. Lastly, Article M of the general conditions the permanent heat and AC units must be used to create an environment for finishes.

Liquidated damages stand as written.

100. Another minor issue which should be clarified is article #16 of the contract and paragraph R of page 34. That references auditing our bid. We can appreciate reviewing back up for change orders by bid pricing would seem moot.

This is not applicable to the bid price.

101. Lastly, Article M of the general conditions the permanent heat and AC units must be used to create an environment for finishes.

Refer to Division 1 specification sections for further delineation of the use of permanent power and HVAC for the purpose of temporary usage.

102. Who is responsible for Builder's Risk?

TCNJ obtains Builder's Risk coverage under its property insurance policy.

103. Is an OCP policy required on the New Art & IMM Building?

An OCP policy is not required.

104. **General Note:** The contractor will be required to provide a street sweeper as necessary to maintain the streets around the project free from any debris.

105. **General Note:** Contractor working hours are from 8am to 5pm and all contractors are required to park at the Carlton Ave. parking lot.

END OF ADDENDUM NO. 3