
TULSA COUNTY

PURCHASING
DEPARTMENT

MEMO

DATE: February 6, 2019

FROM: Matney M. Ellis
Purchasing Director



TO: Board of County Commissioners

SUBJECT: Addendum 4 – Tulsa County “HQ” Administration Building Renovations

On December 31, 2018, the Notice to Bidders was mailed for the Tulsa County “HQ” Administration Building Renovations. This bid is set to open on the 25th day of February, with bids to be received by the County Clerk’s Office until February 22nd, 2019 at 4:00pm CST.

This addendum serves to provide:

- Answers to vendor submitted requests for information and substitutions;
- Changes and Clarifications to specifications and drawings;
- CM Clarification including updates to the individual bid packages; and
- A Revised Bid Form.

This addendum is respectfully submitted for your approval.

MME / mlb

ORIGINAL: Michael Willis, County Clerk, for the February 11, 2019 agenda.



Purchasing Department

A Department of the Tulsa County Budget Board

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Matney M. Ellis
Purchasing Director

February 11, 2019

Board of County Commissioners
Tulsa County Administration Building
Tulsa, Oklahoma 74103

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This letter is to serve as notice that Addendum 4 has been issued for this solicitation. This addendum serves to provide:

- Answers to vendor submitted requests for information and substitutions;
- Changes and Clarifications to specifications and drawings;
- CM Clarification including updates to the individual bid packages; and
- A Revised Bid Form.

Addendum 4 is available for review and/or download at the following:

- Tulsa County Purchasing Department
- <http://www.tulsacounty.org/purchasingvendors>

Respectfully Yours,

Matney M. Ellis
Purchasing Director

Addendum

To: Mr. Matney Ellis
Tulsa County Purchasing
Project File

Date: 02/06/2019

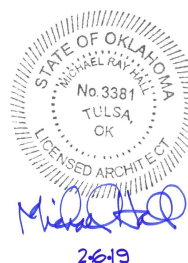
Addendum Number: 04

Architect's Project #: 20180005

Project Name: **Tulsa County Administration
Building**

From: **GH2 ARCHITECTS, LLC**
320 South Boston, Suite 100
Tulsa, Oklahoma 74103
Tel 918.587.6158
Fax 918.587.0357

Professional Seal:



NOTICE.....

This Addendum supplements and amends the original Bidding Documents, shall be taken into account in preparing proposals, and shall become a part of the Construction Documents. The bidder shall indicate receipt of this addendum and all previously issued Addenda on the Bid/Proposal Form.

PRIOR ADDENDA

Addendum 01, Addendum 02, Addendum 03

**MISCELLANEOUS – QUESTIONS AND SUBSTITUTION REQUESTS
ASKED BY CONTRACTORS AND ANSWERS**

1. What is the deck height for each floor?

Answer:

- a. Basement varies approx. 9'-6" to 12'-3", Contractor to field verify
 - b. First Floor varies approx. 9'-0" to 14'-1", Contractor to field verify
 - c. 2nd thru 8th Floor approx. 10'-4.5", Contractor to field verify
 - d. 9th Floor approx. 13'-0.5", Contractor to field verify
2. What is the construction type of the existing exterior walls- I saw some of the details have CMU, concrete and interior plaster (in lieu of drywall). Is that the case throughout?
- Answer: Yes**
3. Is there going to be a trash chute? If not, I strongly recommend Flintco to make a bid package for trash chute, as it will keep the elevators freed up for manpower and keep the floors clean during construction.
- Answer: The owner has allowed us use of the South half of the alley between the Garage and the HQ building. Demo contractor will be using a trash chute.**
4. Will MC cable be acceptable for use in concealed areas? (above grid ceiling, enclosed inside wall from devices. Not for "homerun" use.)
- Answer: MC cable allowed for lighting whips, integral mounted millwork devices, and whips from underfloor raceway boxes to poke-thru devices.**
5. The site demo extents for the stair tower appear to be the exact footprint of the new stair tower, this leaves no room for our excavation. Who will be required to replace extra paving material beyond the stair tower footprint?

Answer: Extent of paving demolition to be coordinated with the contractor's anticipated means

- and methods. If extra paving demolition is required due to the contractor's means and methods, the contractor is responsible for replacing the extra paving material.
6. What are the loading requirements for the temporary shoring of existing floor?
Answer: 18,000 lbs.
7. RE: C300, C400, C500, C501, B/AS101, S100: There is a new vestibule, steps, & handicap ramp on the North side of the building from grids 4-5 and A-B. It appears some of the concrete should be on foam fill. Does the existing structure require waterproofing? Civil details make it look as though it is on grade, but per structural, there is an existing elevated structural slab at elevation 96'-9". Please provide additional details/information for this area.
Answer: Reinforced concrete slab for ramp to be used. Detail 2 on sheet C600 shows sidewalk next to building condition. Existing Terrazzo to be removed, existing structural deck to remain in place. New work is an overlay.
8. RE: C300, C400, C500, 2/S100, 9/S300: It appears the site demolition drawing only shows paving being removed to the edge of the new stair basement walls. Per structural details, more paving will have to be removed (and replaced) in order to properly construct the new stair basement walls. Please clarify.
Answer: Construction means and methods of the new stair basement walls are the sole responsibility of the contractor and are not outlined in the structural drawings. Extent of paving demolition to be coordinated with the contractor's anticipated means and methods.
9. RE: 03 4100 Precast Structural Concrete Spec, 2/S100: 18'x10' precast concrete slab
- a. Paragraph 1.5D Samples: Given the usage of this precast, are samples required?
Answer: No
- b. Paragraph 1.7 Quality Assurance, requires fabricator/plant certification and Installer Qualifications. With only 1 panel on the project, we are finding it difficult to get precast manufacturers to commit to bidding the project and may be even more difficult to find an installer. All of which could make this one expensive panel. Can the fabricator and installer qualifications be relaxed AND can we have the option to site cast & set this panel as a tilt-up panel?
Answer: No - use precast fabricator certification. Installers can be discussed further based on the fabricator selected.
- c. Please confirm no color additives are required.
Answer: No color additive is required
10. RE: 8/S001, 2/S100: Please clarify weight of equipment (and delivery vehicle) to be installed so we can estimate the cost for shoring of existing structure.
Answer: Weight of equipment is 18,000 lbs.
11. At the location in the basement where the new 6" standpipe supply is to penetrate the south wall, what is the distance from the bottom of the basement ceiling deck and the top of the new stairwell floor? We are trying to determine if we can penetrate the new 6" supply directly into the new stairwell without having to bury a portion of the 6" standpipe supply underground under the stairwell floor.
Answer: Stairwell Finish Floor Elevation is 101'-0" Bottom to Basement ceiling deck is approx. elev. 96'-0"
12. RE: 1/S100, 9/S300, 10/S300: Detail 10/S300 shows the new walls/pilasters doweling into the existing basement wall. Detail 9/S300 shows the footing under the walls, but does not make any reference to dowel into the existing footings. Do the new footings need rebar doweling into the existing footings?
Answer: Yes – dowel the footing, similar to the wall/pilaster note.
13. Locker spec – the spec in the original set of specs is for an open-front style athletic locker and that does not match up with the 4-high box style lockers that are shown on the plans. GH2 may want to issue an updated spec to clarify exactly what type of lockers and accessory options are

required?

Answer: Provide Lockers as shown on A422

14. Locker dimensions – the dimensions are called out on sheet A422 but if the spec changes will the dimensions change as well, or stay the same?

Answer: Dimensions will stay the same.

15. Locker base – I noticed on the drawings that a concrete base is called out. Since this project involves lockers on multiple floors I wanted to point out that we can supply a metal locker base, painted to match the lockers, at a much cheaper cost than having another sub pour concrete bases. Also, I noticed on sheet A422 there are base details shown for wall lockers and lockers installed in an “island” configuration (back to back). I did not find any island layouts for lockers on the plans so did I overlook something? I only see wall lockers in Rooms 281B, 281C and 424.

Answer: Provide concrete bases, there are no island lockers.

16. Locker locks – the original spec calls for built-in combination locks. Do I need to include locks in our quote or will they be supplied by the owner or employees? With one of the locker locations being by the fitness center I assume different people will be using the lockers throughout the day so putting locks on the doors would complicate that process.

Answer: Provide latch that can receive owner/employee provided combination locks.

17. What is the thickness of SHT-3 Rubber Flooring at Ramp?

Answer: Provide 3mm thickness.

18. On sheet A101 it shows the two overhead doors 105 D & E in blue on the demo sheet but doesn't say to remove them, but sheet A610 calls out the two doors but gives no direction as weather they will be replaced or not.

Answer: Remove and replace. Revised in Addendum #4

19. Sheet A611 details and types show no sectional overhead doors which is why I'm writing this. Do those two doors and operators get replaced?

Answer: Yes, Existing Frames to remain.

20. Also, on sheet A801 parking garage it shows two entry and exit openings but nothing to close them off to traffic or people, will you require some sort of doors in those two openings?

Answer: No

21. On Lighting fixtures, branch conduit/wire, device Is the electrical contractor to only cut & make safe for a separate contract demolition contractor to remove, or will the electrical contractor be required to remove the fixtures, conduit/wire and devices completely?

Answer: Refer to specification Section 260450 – Electrical Demolition. Recommend management of electrical demolition by Electrical Contractor. Safe removal of de-energized equipment by contractor familiar with electrical demolition process. Refer to Addendum #4 Bid Package modifications for 2A Demo and 26A Electrical.

22. Q. For the switchgear/distribution & feeders which are to be demoed, Is the electrical contractor to only cut & make safe for a separate contract demolition contractor to remove, or will the electrical contractor be required to remove the switchgear/distribution & feeders (conduit & wire), completely?

Answer: Refer to specification Section 260450 – Electrical Demolition. Recommend management of electrical demolition by Electrical Contractor. Safe removal of de-energized equipment by contractor familiar with electrical demolition process. Refer to Addendum #4 Bid Package modifications for 2A Demo and 26A Electrical.

23. Sectional Door 083613

Part 2, 2.02B Can't find a manufacturer that offers 20GA front and back, it is due to a weight concern. 28GA is standard.

Refer to Specification 08 3613 Section 2.02, Change to 28 GA. for back skin.

Components 2.03

2.03 H. Locks are not recommended or doors with electric operators as it will void the warranty on

the motors from the manufactures. (interlocks can fail causing motors to burn out).

Delete Lock requirement.

2.05 E What is interconnection to security system?

To be Determined.

2.05 F Are radio controls really required?

Delete requirement.

24. My question is, can all of the AWI requirements for product labeling and QCP certification be waived for Section 06 4100 on this project?

Answer: AWI requirements and QCP certification are required.

25. Will the low voltage pathways with J-Hooks per sheet E302 be provided and installed by division 26?

Answer: Pathways indicated on each floor. Revision to Basement Floor in Addendum

26. Will Tele-Data become available for bid at a later date?

Answer: Tulsa County to provide all cabling drawings with vendor engaged by Owner contract.

27. Note P8 states (Mech. VAV Boxes route 120v power from circuit indicated in panelboard to Mech. Vav boxes with 120:24-vdc Integral step-down transformers. Typical for all "TUF-X and DDBXX". I am not able to find the panel nor the circuits where these are located. (Example: DDB04, DDB07, etc.).

Answer: Circuits for VAV Boxes indicated in panelboard schedules E502 thru E504 as noted.

28. Fixture type E: I am not seeing any detail of how this fixture will be installed?

Answer: Fixture 'E' to be connected to existing backbox as noted. Addendum #4 will indicate the landing fixture change.

29. Is the Flintco Bid Package 21A: Fire Protection Systems scope required to be included with the Tulsa County Bid Package documents?

Answer: Bid Packages will be part of winning bidder's Contract but are not required to be submitted with Bid Form.

30. Is there some DEMO required to be included for these package?

Answer: Refer to Bid Packages.

31. Exterior Brick and CMU sealer will be part of Package 09C OR that's what in Package 04B (Masonry Restoration) is about?

Answer: There is no sealer on masonry only concrete floor. Refer to Bid Packages for work that is to be included.

32. Tape and bed will be part of painting package or Drywall?

Answer: Refer to Bid Packages

33. Exposed to structure ceiling will be painted?

Answer: Refer to Finish Drawing General Notes, note 11.

34. Wood banquette finish (On ceilings) will be stain and/or clear coated, and part of painting package?

Answer: Per details, Banquette finish is PL-1. This is prefinished laminate.

35. Will radial ceiling system be painted and part of the 09C package?

Answer: Refer to Finish Drawings for ACT 5. This is a manufactured prefinished item.

36. Will the Lineal wood grided ceiling system be stained and/or clear coated, and part of the painting package (09C)?

Answer: Refer to Finish drawings for ACT 4. This is a manufactured prefinished item.

37. On Sheet ID106, there are two call outs boxes for finishes on the rooms 703 and 706 (Seventh Floor). Boxes are in blank. Does this means that no work is needed on these rooms?

Answer: Refer to Addendum 3

38. In the scope of work CM bid book page 42 of 83 states on number 11 to refer to drawings for owner provided millwork and countertops. Can you tell me what page or area that I could find the owner provided millwork?

Answer: Refer to floor plans. Top of each page has Owner Furnished Millwork Schedule. Refer to Addendum 3 for Bid Package changes

39. Line number 12 on page 42 of the CM bid book states to include mirrors. Would the mirrors not be under the specialties package?

Answer: Bid Package 6A: Millwork, item 12 refers to items "ON contractor provided desks and millwork".

40. Please confirm that the existing fire pump is sufficient to supply the standpipe systems and the existing fire pump will remain as is.

Answer: Authority Having Jurisdiction (AHJ) has not provided an evaluation of the existing fire pump application and building performance requirements.

41. Specification section 211200 Fire Suppression Standpipes, section 2.3A and 3.11B both call for schedule 40 black steel pipe. Section 211313 Wet-Pipe Sprinklers, section 2.3E and 3.11D-4 both call for schedule 10 black steel pipe. Can schedule 10 black steel pipe be used for the 6" standpipe supply and vertical standpipe?

Answer: Standpipes to be bid as described in Specifications.

42. Please confirm on floors 3 and 6 where no work occurs and other areas where the existing ceilings remain that the existing fire sprinklers remain as is and at their present location.

Answer: Fire sprinklers in these areas to remain as is unless noted otherwise on plans. Refer to keynote 5/FP103 sheet and 5/FP106 sheet.

43. On the FP Plans showing the new 6" standpipe in the new stairwell, each plan sheet a keynote that states "Provide new fire protection Class I hose valve cabinet with 2 1/2" threaded outlet for fire department connection". There is no valve cabinet type or size called for or shown on the plans or in Section 211200 Fire Suppression Standpipes. Can the 2 1/2" Fire Hose Valves be installed exposed on the exposed standpipe? If not, please specify size and type of the fire hose valve cabinet.

Answer: The hose valves can be installed exposed on the standpipe.

44. On the floors that are being extensively remodeled can the fire sprinkler systems on the floors that the fire sprinkler work is occurring be left out of service during each floors remodel, or will it be a requirement that each floor sprinkler system be taken out of service each work day and refilled and place back in service at the end of each work day?

Answer: Construction means and methods of modification to the fire sprinkler system on a floor by floor or overall building basis is the sole responsibility of the Contractor.

45. Will the sprinkler contractor be required to perform a 200 PSI hydrostatic on the floors where we will only be relocating sprinkler heads to accommodate the new floor and ceiling plan layout. If we are to perform the hydrostatic test on the existing sprinkler main and branch line piping, please confirm and clarify that we will not be responsible for any damage that may occur to any existing system piping that we did not perform any work on during the test.

Answer: Test the existing sprinkler system at the existing system pressure.

46. Are there any drawings of the existing fire sprinkler systems on each floor? Is so, may these please be issued for our use?

Answer: The latest fire protection drawings – Contractor: Jayhawk Fire Sprinkler Company; Project Name: St. John Community Care 218 West 6th Tulsa, OK; Document Date: 8-1-05.

47. As it is currently there are interior hose cabinets in the hallways and no stand piping in the stairwells. Will the fire marshal require the elimination of the interior hose cabinets and the installation of new standpiping in the existing stairwells?

Answer: Refer to Fire Protection plans addressed in Addendum #4.

48. Clarification of flooring demo and patch responsibilities.

Answer: Refer to Addendum #4 Bid Package modifications for 2A Demo and 9B Flooring

49. Please clarify regarding the ED Series Demolition Drawings and the E402 One Line Existing/Demolition Drawings, as to what will be the extent of the Electrical Contractors

responsibility regarding demolition.

Answer: Refer to Addendum #4 Bid Package modifications for 2A Demo and 26A Electrical.

50. There are approximately (33)-motor loads and approximately (5)- xfmr & panel feeders where the note appears on the drawing.

Without the knowledge as to whether the existing feeders are capable of passing the megger testing, and without the knowledge of the condition of the existing conduits which house the cables, it would be nearly impossible to quantify the amount of feeders and motor home runs which would need to be replaced, nor would it be verifiable as to whether the existing conduit is in good condition acceptable by code.

Should we exclude this work, assume all new feeders, or would it be possible for the CM to specify an Allowance which all electrical contractors would carry as an ADD Allowance of \$xxx , so that all bids would be on a level playing field?

Answer: Directive to be revised in Addendum #4 to address scope of work.

51. There are approximately (6)-motor loads, where the note appears on the drawing.

Without the knowledge as to whether the existing motor home runs are capable of passing the megger testing, and without the knowledge of the condition of the existing conduits which house the cables, it would be nearly impossible to quantify the amount of motor home runs which would needed to be replaced, nor would it be verifiable as to whether the existing conduit is in good condition acceptable by code.

Should we exclude this work, assume all new feeders, or would it be possible for the CM to specify an Allowance which all electrical contractors would carry as an ADD Allowance of \$xxx , so that all bids would be on a level playing field?

Answer: Directive to be revised in Addendum #4 to address scope of work.

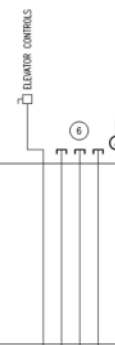
52. Sheet E104, room 416 has a note L6 shown (which is owner provided/installed light fixture).

What fixture is this particular note referring to?

As well as these notes on sheet E401 in rooms 461 & 468.

Answer: Incorrect Keynote to be revised in Addendum #4 for dimming conductors and controls.

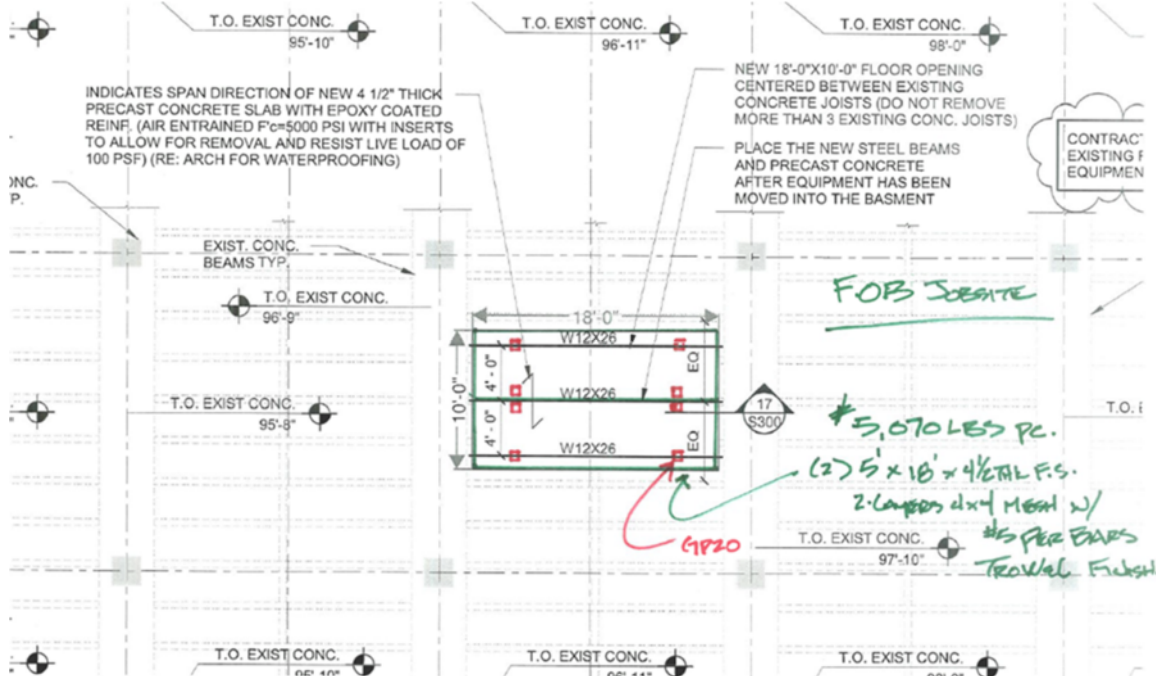
54. Sheet E403 has this general note. How are we supposed to price something like this without actually meg testing each motor circuit BEFORE bid time? Does the county have recent meg test reports we can use for bidding?



Answered in Addendum #3

58. There is polished concrete in the BID Packet, but I don't see any specified areas for polished concrete in the Floor Finished Plans and Drawings? Can you address and advise?
Answered in Addendum #1
59. How are we going to stock the drywall? Should we have an allowance to use the elevators, or have a crane allowance? If we are using the elevators, what size sheet will fit in the elevators, or give me dimensions of elevators?
- a. Are we to use the elevators to stock studs? If so, is there a hatch that opens on the elevators to stock full size studs? (11'-6" for 8th floor)
 - b. Is there going to be a man lift on the exterior of the building for hoisting materials and manpower? If so, questions one and two are answered.
 - c. Is there going to be a laydown area for materials, or do we need to stock the material as we need it?
 - d. What is the parking situation going to be like? Should we include in our bids long term parking fees?
- Answer: Refer to CM clarification in Addendum #3**
60. Clarification: This tells me that the demo contractor & Flintco is mostly responsible for getting the subfloor ready for the flooring contractor. Getting the subfloor smooth means getting the old adhesive off the subfloor.
Answer: Refer to revised Drawings in Addendum #4.
61. Clarification: This means getting the old adhesive off too!! Right??
Answer: Refer to revised drawings in Addendum #4.
62. Epoxy grout on the floors & walls? Epoxy grout has a tendency to sag, so epoxy on the walls is not regularly done. Please confirm. We recommend Laticrete epoxy grout on the floors & Laticrete Perma Color Select grout on the walls.
Answer: Refer to revised drawing ID001 in Addendum #4.
63. Who provides and installs the cement board?
Answer: Refer to revised drawing ID001 in Addendum #4.
64. WT-1 goes in the restroom walls:
- 1. What is the height of this waincot?
 - 2. What trim is used at the top? Schluter trim? Style & finish?
 - 3. What trim is used at outside corner? Schluter trim? Style & finish?
- Answer: Refer to revised Drawing ID001 in Addendum #4.**
64. Where's the details showing where the WT-1 tile goes. Usually, the tile is indicated on these elevation plans. Please help and clarify.
Answer: Refer to revised Drawing A421 in Addendum #4.
65. Inquiring of the disposition of the furniture remaining on these floors.
Are these items going to need to be stored or disposed of. Is their disposition included in the demo work.
All other floor are cleared of furniture.
Answer: Furnishings that are still on floors are property of the owner and are not to be removed or disposed of. They shall be stored on one of the floors as directed by the CM.
66. As this a Tulsa County property and project, who will be the Authority Having Jurisdiction regarding Permitting and inspections, the city of Tulsa Fire Marshal or the Oklahoma State Fire Marshal? The state of Oklahoma permit fee is 3 cents per square feet for plan review and permit.
Answer: This is undetermined
67. Specification 03 300, Cast-in-Place Concrete, paragraph 1.5, calls for the concrete scope to include an allowance of 10% additional concrete and reinforcing in our bid. Addendum #1, CM Clarification #1, item 1 calls for bid package 3A – Concrete to include \$7,000 allowance. Please clarify if we are to include both allowances or just the \$7,000 in bid scope 3A – Concrete.
Answer: Include only the allowance per the CM Bid Package.

68. I have located a precast plant that is interested in providing the precast on this project. They have sent over a sketch and would like to know if it is acceptable before they price it for me. I will make sure the rebar is epoxy as called out on drawings. My precast contact just confirmed he planned on galvanizing mesh and rebar. Please let me know if this is acceptable as well.



Answer: Provide a drawing and calculations showing that their design can support a live load of 50 spf, sealed and signed by an Oklahoma PE.

69. According with the Pre-Bid Meeting, floors 3rd and 6th wont be affected as the others. Will the walls and ceilings be repainted anyways, and part of package 09C? Please explain.

Answer: Please refer to plan sheets and notes.

70. I have found several issues with the fire alarm layout that need to be clarified in order to put together correct pricing and are as follows:

1. The fire alarm layout on the first floor is incomplete. Only pull stations are shown, no smoke detectors or audible/visual devices are shown.
2. No fire alarm devices are shown on the second floor.
3. The 3rd floor does not have nearly enough speakers to accommodate 15 db above ambient.
4. The 5th floor does not show any speakers at all.
5. The 8th floor does not show any speakers at all. List
6. The 9th floor has only speaker strobes, no strobe only devices (not consistent with the other floors).

Answer: See Revisions to Fire Alarm in Addendum 4

71. Below are a few clarification questions I have for the Tulsa County Admin Building project. These questions pertain to sections 122216 and 122400.

1. Are floors 3 and 6 to be covered with manual roller shades (type WS-1)?

Answer: Yes, per Addendum 3.

2. On the finish legend of page ID001 there are callouts WS-1, WS-2, and WS-3 for roller shades, blackout draperies, and sheer draperies. Can you clarify the desired locations of

these callouts on the interior finish plans? There are currently no location callouts on the finish plans.

Answer: Please refer to Addendum 3.

3. What specific fabric is desired for the roller shades?

Answer: Please refer to Addendum 3.

4. Can you clarify if the roller shades need fascia?

Answer: Please refer to Addendum 3.

72. The drawings indicate that it is a face frame job with frame-mounted hinges. Can you confirm that you are wanting a laminate face frame for the laminate cabinets instead of frameless construction?

Answer: Frameless construction with full overlay doors and concealed hinges.

- A. Substitution request for Morin X-16 Metal Panels were not considered because it was submitted after Final Substitution Submittal date.
- B. Substitution request of Cross Piece Grille was not considered because it was submitted after Final Substitution Submittal date.
- C. Substitution request for 9Wood Tegular Wood Ceiling System was not considered because it was submitted after Final Substitution Submittal date.
- D. Substitution request for Certainteed "Performa" Fine Fissured not approved.
- E. Substitution request for Versico Reinforced KEE PVC Membrane. Refer to Specification 07 5419, Section 02.01 add "Versico Reinforced KEE PVC Membrane"
- F. Substitution Request for Overhead Door. Refer to Specification 08 3313, Section 2.01 add "OVERHEAD DOOR, TULSA, OK."
- G. Substitution request for Overhead Door. Refer to Specification 08 3613, Section 2.01 add "OVERHEAD DOOR, TULSA, OK."
- H. Substitution request for SL20 Manual Shades approved.
- I. Equipment Bid Request from EEI:
 - 1. Manufacturer – MetalAire:
 - i. VAV Terminal Units are approved for bidding purposes in name only, final acceptance of product subject to submittal review process.
 - ii. Fan Powered Terminal Units are approved for bidding purposes in name only, final acceptance of product subject to submittal review process.
 - iii. Grilles, Registers & Diffusers are listed as an approved manufacturer in Specification Section 23 37 13, Part 2.1-A.
 - 2. Manufacturer – Penn Barry
 - i. Exhaust Fans are listed as an approved manufacturer in Specification Section 23 34 23, Part 2.1-A.
 - 3. Manufacturer – Indeeco
 - i. Electric Wall & Unit Heaters are approved for bidding purposes in name only, final acceptance of product subject to submittal review process.
 - 4. Manufacturer – LG
 - i. Heat Pump Units are approved for bidding purposes in name only, final acceptance of product subject to submittal review process. All additional or different system components, from the system components indicated on the construction documents, required to comply with the LG manufacturer's installation requirements and recommendations shall be provided and coordinated with all applicable disciplines and is the sole responsibility of the Contractor. Equipment to comply with specifications.

- ii. DX Fan Coil Units are approved for bidding purposes in name only, final acceptance of product subject to submittal review process. All additional or different system components, from the system components indicated on the construction documents, required to comply with the LG manufacturer's installation requirements and recommendations shall be provided and coordinated with all applicable disciplines and is the sole responsibility of the Contractor. Equipment to comply with specifications.
- 5. Manufacturer – Envirotec
 - i. Hydronic Fan Coil Units are approved for bidding purposes in name only, final acceptance of product subject to submittal review process.
- 6. Manufacturer – Carrier
 - i. Air Handling Units are listed as an approved manufacturer in Specification Section 23 73 13, Part 2.1-A.
- 7. Manufacturer – Grundfos Pumps:
 - i. Hydronic Pumps are approved for bidding purposes in name only, final acceptance of product subject to submittal review process. Refer Specification Section 232123, Parts 2.1-A; 2.2-A.
 - ii. Expansion Tanks are approved for bidding purposes in name only, final acceptance of product subject to submittal review process. Refer Specification Section 232116, Part 2.2, C.1.
 - iii. Air Separators are approved for bidding purposes in name only, final acceptance of product subject to submittal review process. Refer Specification Section 232116, Part 2.2, D.1.
 - iv. Steam to Heating Water HXs are approved for bidding purposes in name only, final acceptance of product subject to submittal review process. Refer Specification Section 235700, Part 2.1A.
- 8. Manufacturer – Camus
 - i. Gas Fired Boilers are approved for bidding purposes in name only, final acceptance of product subject to submittal review process. Refer Specification Section 235216, Part 2.2.
- 9. Manufacturer – Mepco
 - i. Condensate Pumps are approved for bidding purposes in name only, final acceptance of product subject to submittal review process. Refer Specification Section 232223, Part 2.1.
- 10. Manufacturer – Yaskawa
 - i. Variable Speed Drives are approved for bidding purposes in name only, final acceptance of product subject to submittal review process. Refer pump schedule on M001 sheet.
- J. Electrical Bid Request:
 - 1. Fire Alarm System: Fire Finder XLSV and Edward EST3 systems Approved pending performance of substituted system meets or exceeds revised specification section 283111 issued in Addendum #4.
 - 2. Lighting Fixtures - Approved listed manufacturers pending review from Architect and subject to being equal performance, quality and photometrics.
 - i. Columbia.
 - ii. Kuzco.
 - iii. Prescolite.
 - iv. Scott Architectural.
 - v. Elite Lighting USA.
 - 3. Specification Sections 262200 – 262419: Siemens Manufacturer not approved.

K. General Electrical Items:

1. MC Cable shall only be allowed for lighting whips, concealed millwork raceways and small whips from existing underfloor raceway system to new poke-thru device. Other location must be approved by Engineer of Record.
2. Switchboard and Panelboard Substitutions: Revised sections to only allow the (3) three listed manufacturers. Revised both sections accordingly.
3. Revised Fire Alarm Specification for interconnection and power distribute panels for high-rise buildings. Added Voice Evacuation System.

CHANGES / CLARIFICATIONS TO SPECIFICATIONS

1. Remove and replace Section 08 0671 - Door Hardware Schedule.
2. Remove and replace Section 08 4126 – All Glass Entrances.
3. Remove and replace Section 08 0671 – Door Hardware Schedule.
4. Refer to Specification 07 5419, Section 02.01 add “Versico Reinforced KEE PVC Membrane”
5. Refer to Specification 08 3313, Section 2.01 add “OVERHEAD DOOR, TULSA, OK.”, Slat size may vary in width
6. Added Section 260573.13 - Short-Circuit Studies.
7. Added Section 260573.16 - Coordination Studies.
8. Added Section 260573.19 - Arc-Flash Hazard Analysis.
9. Revised Section 262413 – Switchboards.
10. Revised Section 262416 – Panelboards.
11. Revised Section 283111 - Digital, Addressable Fire Alarm System.

CHANGES / CLARIFICATIONS TO DRAWINGS

1. CS1 COVER SHEET
 - a. Remove drawing and replace with attached.
2. A100 BASEMENT REFERENCE PLAN AND DEMOLITION PLAN
 - a. Remove drawing and replace with attached.
3. A101 FIRST FLOOR REFERENCE PLAN AND DEMOLITION PLAN
 - a. Remove drawing and replace with attached.
4. A102 SECOND FLOOR REFERENCE PLAN AND DEMOLITION PLAN
 - a. Remove drawing and replace with attached.
5. A103 THIRD FLOOR REFERENCE PLAN AND DEMOLITION PLAN
 - a. Remove drawing and replace with attached.
6. A104 FOURTH FLOOR REFERENCE PLAN AND DEMOLITION PLAN
 - a. Remove drawing and replace with attached.
7. A105 FIFTH FLOOR REFERENCE PLAN AND DEMOLITION PLAN
 - a. Remove drawing and replace with attached.
8. A106 SIXTH FLOOR REFERENCE PLAN AND DEMOLITION PLAN
 - a. Remove drawing and replace with attached.
9. A107 SEVENTH FLOOR REFERENCE PLAN AND DEMOLITION PLAN
 - a. Remove drawing and replace with attached.
10. A108 EIGHTH FLOOR REFERENCE PLAN AND DEMOLITION PLAN
 - a. Remove drawing and replace with attached.
11. A109 NINTH FLOOR REFERENCE PLAN AND DEMOLITION PLAN
 - a. Remove drawing and replace with attached.
12. A111 ROOF PLANS
 - a. Remove drawing and replace with attached.

13. A120 BASEMENT AND FIRST FLOOR REFLECTED CEILING PLAN
 - a. Remove drawing and replace with attached.
14. A124 FOURTH AND FIFTH FLOOR REFLECTED CEILING PLAN
 - a. Remove drawing and replace with attached.
15. A126 SIXTH AND SEVENTH FLOOR REFLECTED CEILING PLAN
 - a. Remove drawing and replace with attached.
16. A130 ENLARGED REFLECTED CEILING PLAN
 - a. Remove drawing and replace with attached.
17. A131 ENLARGED REFLECTED CEILING PLAN
 - a. Remove drawing and replace with attached.
18. A201 NORTH AND EAST EXTERIOR ELEVATIONS
 - a. Remove drawing and replace with attached.
19. A311 WALL SECTIONS
 - a. Remove drawing and replace with attached.
20. A410 STAIR DETAILS
 - a. Remove drawing and replace with attached.
21. A421 TOILET ELEVATIONS
 - a. Remove drawing and replace with attached.
22. A422 LOCKER ROOM DETAILS
 - a. Remove drawing and replace with attached.
23. A501 PLAN DETAILS
 - a. Remove drawing and replace with attached.
24. A531 PARTITION TYPES
 - a. Remove drawing and replace with attached.
25. A532 SECTION DETAILS
 - a. Remove drawing and replace with attached.
26. A533 SECTION DETAILS
 - a. Remove drawing and replace with attached.
27. A542 CEILING DETAILS
 - a. Remove drawing and replace with attached.
28. A543 CEILING DETAILS
 - a. Remove drawing and replace with attached.
29. A610 DOOR SCHEDULE
 - a. Remove drawing and replace with attached.
30. A620 WINDOW TYPES AND DETAILS
 - a. Remove drawing and replace with attached.
31. A621 WINDOW TYPES AND DETAILS
 - a. Remove drawing and replace with attached.
32. A700 INTERIOR ELEVATIONS
 - a. Remove drawing and replace with attached.
33. A701 INTERIOR ELEVATIONS
 - a. Remove drawing and replace with attached.
34. A702 INTERIOR ELEVATIONS
 - a. Remove drawing and replace with attached.
35. A703 INTERIOR ELEVATIONS
 - a. Remove drawing and replace with attached.
36. A711 ENLARGED PLANS, ELEVATIONS, AND SECTIONS OF SPECIAL MILLWORK
 - a. Remove drawing and replace with attached.
37. A751 MILLWORK SECTIONS
 - a. Remove drawing and replace with attached.

- 38. ID001 GENERAL FINISH INFORMATION
 - a. Remove drawing and replace with attached.
- 39. ID100 BASEMENT AND SECOND FLOOR INTERIOR FINISH PLANS
 - a. Remove drawing and replace with attached.
- 40. ID104 FOURTH AND FIFTH FLOOR INTERIOR FINISH PLANS
 - a. Remove drawing and replace with attached.
- 41. ID120 BASEMENT AND FIRST FLOOR SIGNAGE PLANS
 - a. Remove drawing and replace with attached.
- 42. ID122 SECOND AND THIRD FLOOR SIGNAGE PLANS
 - a. Remove drawing and replace with attached.
- 43. ID124 FOURTH AND FIFTH FLOOR SIGNAGE PLANS
 - a. Remove drawing and replace with attached.
- 44. ID136 SIXTH AND SEVENTH FLOOR FURNITURE PLANS
 - a. Remove drawing and replace with attached.
- 45. ID138 EIGHTH AND NINTH FLOOR FURNITURE PLANS
 - a. Remove drawing and replace with attached.
- 46. ID141 SIGNAGE DETAILS
 - a. Remove drawing and replace with attached.
- 47. ID142 SIGNAGE DETAILS
 - a. Remove drawing and replace with attached.
- 48. ID143 EXTERIOR SIGNAGE
 - a. Remove drawing and replace with attached.
- 49. S100 FOUNDATION/BASEMENT PLAN AND LEVEL 1 FRAMING PLAN
 - a. Remove drawing and replace with attached.
- 50. S100 FOUNDATION/BASEMENT PLAN AND LEVEL 1 FRAMING PLAN
 - a. Remove drawing and replace with attached.
- 51. S103 LEVEL 8 AND 9 FRAMING PLAN
 - a. Remove drawing and replace with attached.
- 52. S104 ROOF FRAMING PLAN
 - a. Remove drawing and replace with attached.
- 53. S301 STRUCTURAL DETAILS
 - a. Remove drawing and replace with attached.
- 54. M101 FIRST FLOOR HVAC PLAN
 - a. Revised Commission Room Lobby area HVAC ducting and diffuser locations.
- 55. M105 FIFTH FLOOR HVAC PLAN
 - a. Identified new air devices on existing Dual Duct Boxes.
- 56. M107 SEVENTH FLOOR HVAC PLAN
 - a. Revised HVAC in coordination with Addendum #4 base changes.
- 57. E001 GENERAL ELECTRICAL INFORMATION
 - a. Revised Fire Alarm device legend for speakers.
 - b. Revised fixtures A and B as Owner Provided, Contractor Received and Installed.
 - c. Add fixture G to light fixture schedule.
 - d. Add fixture F to light fixture schedule.
 - e. Revised fixtures T2 and T3 to be stem mounted at consistent height of 8'-0" AFF.
 - f. Revised fixture 'T4 to be provided by Contractor.
- 58. ED100 LIGHTING AND POWER DEMO PLANS, BASEMENT & 1ST FLOOR
 - a. Detail #1 - Revised east 2" C. and 3-1/2" C. from basement to Parking Garage to (E) Existing to Remain.
 - b. Detail #1 - Added Keynote D14 for Mechanical Room Lighting.
 - c. Detail #2 - Added existing Clock in Lobby to remain.

- d. Added general block note for reuse of existing Fire Alarm back boxes.
- 59. ED101 LIGHTING AND POWER DEMO PLANS, 2ND FLOOR & 3RD FLOOR
 - a. Detail #1 & 2 – Revised Keynote D5 to D6 in restrooms receptacles.
 - b. Added general block note for reuse of existing Fire Alarm back boxes.
 - c. Revised Keynotes D9 and D10.
 - d. Added “3rd Floor Scope of Work” statement for clarifications.
- 60. ED102 LIGHTING AND POWER DEMO PLANS, 4TH FLOOR & 5TH FLOOR
 - a. Detail #1 & 2 – Revised Keynote D5 to D6 in restrooms receptacles.
 - b. Added general block note for reuse of existing Fire Alarm back boxes.
 - c. Revised Keynotes D9 and D10.
- 61. ED103 LIGHTING AND POWER DEMO PLANS, 6TH FLOOR & 7TH FLOOR
 - a. Detail #1 & 2 – Revised Keynote D5 to D6 in restrooms receptacles.
 - b. Added general block note for reuse of existing Fire Alarm back boxes.
 - c. Revised Keynotes D9 and D10.
 - d. Added “6th Floor Scope of Work” statement for clarifications.
- 62. ED104 LIGHTING AND POWER DEMO PLANS, 8TH FLOOR & 9TH FLOOR
 - a. Detail #1 & 2 – Revised Keynote D5 to D6 in restrooms receptacles.
 - b. Added general block note for reuse of existing Fire Alarm back boxes.
 - c. Revised Keynotes D9 and D10.
- 63. ED105 LIGHTING AND POWER DEMO PLANS, 10TH FLOOR
 - a. Added Keynotes D1 thru D4.
 - b. Added general block note for reuse of existing Fire Alarm back boxes.
- 64. E101 LIGHTING AND POWER PLANS 1ST LEVEL
 - a. Revised Fire Alarm Devices and added general block note for existing device reuse.
 - b. Revised stairwell landing light fixture from E to C.
 - c. Added Data drop locations per Owner directives.
 - d. Revised Keynote L3.
 - e. Revised Lighting Plan per new ceiling plan requirements.
 - f. Added Keynote P-20 for existing Lobby Clock directives.
 - g. Revised east exterior door operator to the emergency power 2EM-18.
- 65. E102 LIGHTING AND POWER PLANS 2ND LEVEL
 - a. Revised Fire Alarm Devices and added general block note for existing device reuse.
 - b. Revised stairwell landing light fixture from E to C.
 - c. Added reference 7/E302 callout to Breakroom lighting controls.
 - d. Added Keynote L7 for lighting sensors/dimmer connection in Conference Rooms.
 - e. Added proposed fixture F for exterior signage to be determined.
 - f. Revised “Owner Provide and Installed Light Fixture...” to clarify contractor shall install homerun j-box to the room(s).
- 66. E103 LIGHTING AND POWER PLANS 3RD LEVEL
 - a. Revised Fire Alarm Devices and added general block note for existing device reuse.
 - b. Revised stairwell landing light fixture from E to C.
- 67. E104 LIGHTING AND POWER PLANS 4TH LEVEL
 - a. Revised Fire Alarm Devices and added general block note for existing device reuse.
 - b. Revised stairwell landing light fixture from E to C.
 - c. Added reference 7/E302 callout to Breakroom lighting controls.
 - d. Added Keynote L7 for lighting sensors/dimmer connection in Conference Rooms.
 - e. Added Detail #3 – Enlarged Data Room to indicate Owner equipment and Ladder Tray additions. New additional Cooling Units to be served from Basement panel ‘ELDP’.
Owner condensing units served from Penthouse Emergency Panel.
- 68. E105 LIGHTING AND POWER PLANS 5TH LEVEL

- a. Revised Fire Alarm Devices and added general block note for existing device reuse.
 - b. Revised stairwell landing light fixture from E to C.
 - c. Added reference 7/E302 callout to Breakroom lighting controls.
 - d. Added Keynote L7 for lighting sensors/dimmer connection in Conference Rooms.
69. E106 LIGHTING AND POWER PLANS 6TH LEVEL
- a. Revised Fire Alarm Devices and added general block note for existing device reuse.
 - b. Revised stairwell landing light fixture from E to C.
 - c. Added lighting, power and data to (2) indicated office/rooms.
 - d. Added receptacles in Library Rooms.
70. E107 LIGHTING AND POWER PLANS 7TH LEVEL
- a. Revised Fire Alarm Devices and added general block note for existing device reuse.
 - b. Revised stairwell landing light fixture from E to C.
 - c. Added reference 7/E302 callout to Breakroom lighting controls.
 - d. Added Keynote L6 for lighting sensors/dimmer connection in Conference Rooms.
 - e. Revised outlets at Supply Room per new floor plan changes.
71. E108 LIGHTING AND POWER PLANS 8TH LEVEL
- a. Revised Fire Alarm Devices and added general block note for existing device reuse.
 - b. Revised stairwell landing light fixture from E to C.
 - c. Added reference 7/E302 callout to Breakroom lighting controls.
 - d. Added Keynote L7 for lighting sensors/dimmer connection in Conference Rooms.
72. E109 LIGHTING AND POWER PLANS 9TH LEVEL
- a. Revised Fire Alarm Devices and added general block note for existing device reuse.
 - b. Revised stairwell landing light fixture from E to C.
 - c. Added reference 7/E302 callout to Breakroom lighting controls.
 - d. Added Keynote L7 for lighting sensors/dimmer connection in Conference Rooms.
 - e. Added disconnecting means and Keynote 14 for Owner Provided roof mounted condensers for 4th floor data rack cooling units.
73. E110 LIGHTING AND POWER PLANS ROOF
- a. Revised Fire Alarm Devices and added general block note for existing device reuse.
 - b. Revised stairwell landing light fixture from E to C.
 - c. Added fixture G for canopy up-lighting at roof.
74. E200 ENLARGED ELECTRICAL PLANS
- a. Revised Keynote P5.
75. E301 DETAILS AND DIAGRAMS
- a. Revised Detail #3 to include switchboard concrete equipment pad.
 - b. Revise Detail #3 transformer size to 150 kVA.
 - c. Revise keynotes 8 and 11.
 - d. Add keynote 20.
76. E302 DETAILS AND DIAGRAMS
- a. Revise Detail #5 – block note clarification.
 - b. Revise Detail #6 – block note clarification.
77. E403 NEW ONE-LINE DIAGRAM
- a. Add Service Entrance Rated 800-Amp/3-Pole, NEMA 1 Pedestal mounted disconnecting means for possible future Fire Pump alterations.
 - b. Revise raceways from panel 'ELDP' to floors above.
 - c. Revise Keynotes 3 to replace conductors serving existing panel 9M motor loads.
 - d. Revise General Note B to replace conductors serving existing motor loads.
78. E404 NEW FIRE ALARM AND LOW-VOLTAGE RISER DIAGRAM
- a. Detail #1 – Revise FACP panels, devices and add Voice Evacuation System.
 - b. Detail #2 – Revise fixture E to C at stair landings.

- c. Detail #3 – Correct spelling of note.
 - d. Detail #4 – Revised 4th Floor Data Room Ladder Tray and move 30A outlets to ceiling mounted, supported to structure.
- 79. E502 PANELBOARDS
 - a. Updated panelboard calculated loads per changes.
- 80. E503 PANELBOARDS
 - a. Updated panelboard calculated loads per changes.
- 81. E504 PANELBOARDS
 - a. Updated panelboard calculated loads per changes.
- 82. FP100 BASEMENT FLOOR FIRE PROTECTION PLAN
 - a. Indicated core standpipes valves to be capped and locked.
 - b. Clarified that existing piping to be coordinated with new construction.
- 83. FP101 FIRST FLOOR FIRE PROTECTION PLAN
 - a. Removed cabinet requirement from standpipe hose valve.
 - b. Clarified that existing piping to be coordinated with new construction.
 - c. Indicated coordination of existing fire protection drain along south wall of building with new stair tower.
- 84. FP102 SECOND FLOOR FIRE PROTECTION PLAN
 - a. Removed cabinet requirement from standpipe hose valve.
 - b. Indicated relocation of hose valves to interior of stairway by north elevator.
 - c. Clarified that existing piping to be coordinated with new construction.
- 85. FP103 THIRD FLOOR FIRE PROTECTION PLAN
 - a. Removed cabinet requirement from standpipe hose valve.
 - b. Indicated relocation of hose valves to interior of stairway by north elevator.
- 86. FP104 FOURTH FLOOR FIRE PROTECTION PLAN
 - a. Removed cabinet requirement from standpipe hose valve.
 - b. Indicated relocation of hose valves to interior of stairway by north elevator.
 - c. Clarified that existing piping to be coordinated with new construction.
- 87. FP105 FIFTH FLOOR FIRE PROTECTION PLAN
 - a. Removed cabinet requirement from standpipe hose valve.
 - b. Indicated relocation of hose valves to interior of stairway by north elevator.
 - c. Clarified that existing piping to be coordinated with new construction.
- 88. FP106 SIXTH FLOOR FIRE PROTECTION PLAN
 - a. Removed cabinet requirement from standpipe hose valve.
 - b. Indicated relocation of hose valves to interior of stairway by north elevator.
- 89. FP107 SEVENTH FLOOR FIRE PROTECTION PLAN
 - a. Removed cabinet requirement from standpipe hose valve.
 - b. Indicated relocation of hose valves to interior of stairway by north elevator.
 - c. Clarified that existing piping to be coordinated with new construction.
 - d. Revised sprinkler head locations.
- 90. FP108 EIGHT FLOOR FIRE PROTECTION PLAN
 - a. Removed cabinet requirement from standpipe hose valve.
 - b. Indicated relocation of hose valves to interior of stairway by north elevator.
 - c. Clarified that existing piping to be coordinated with new construction.
- 91. FP109 NINTH FLOOR FIRE PROTECTION PLAN
 - a. Removed cabinet requirement from standpipe hose valve.
 - b. Indicated relocation of hose valves to interior of stairway by north elevator.
 - c. Clarified that existing piping to be coordinated with new construction.
- 92. FP110 TENTH FLOOR FIRE PROTECTION PLAN
 - a. Clarified that existing piping to be coordinated with new construction.

- 93. P001 PLUMBING GENERAL INFORMATION
 - a. Revised drinking fountain model number in plumbing fixture schedule.
- 94. P104 FOURTH FLOOR PLUMBING PLANS
 - a. Retain existing mop basin.
- 95. P108 EIGHTH FLOOR PLUMBING PLANS
 - a. Revised water connection in Supply Room 862.

LIST OF ATTACHMENTS

- 1. Specification Sections: 08 0671, 08 4126, 08 7100, 26 0573.13, 26 0573.16, 26 0573.19, 26 2413, 26 2416, 28 3111
- 2. Drawings: CS1, A100, A101, A102, A103, A104, A105, A106, A107, A108, A109, A111, A120, A124, A126, A130, A131, A201, A311, A410, A421, A422, A501, A531, A532, A533, A542, A543, A610, A620, A621, A700, A701, A702, A703, A711, A751, ID001, ID100, ID104, ID120, ID122, ID124, ID136, ID138, ID141, ID142, ID143, S100, S103, S104, S301, M101, M105, M107, ED100, ED101, ED102, ED103, ED104, ED105, E001, E100, E101, E102, E103, E104, E105, E106, E107, E108, E109, E110, E200, E301, E302, E403, E404, E502, E503, E504, FP100, FP101, FP102, FP103, FP104, FP105, FP106, FP107, FP108, FP109, FP110, P001, P104, P108
- 3. CM Clarification: Updates to individual bid packages scopes.
- 4. Revised Bid Form.

END OF ADDENDUM