

**MEETING MINUTES #8**

DATE September 9, 2011

FROM Don Adams, Omni Architects

TO David Proffitt (for internal distribution)

PROJECT University of Louisville – Student Recreation Center

COMMENTS A Construction Document kick-off meeting was held in the conference room of University Planning, Design and Construction on September 9, 2011. The meeting was from 8:00 AM to 12:00 PM. The purpose of the meetings was to discuss comments from David Proffitt concerning the DD submittal drawings, budget/cost estimates, and bid packs. See the attached sign-in sheets for those in attendance:

NOTES

A. Review of 100% Design Development submittal drawings:

1. Intramurals would prefer 18"x18"x18" day lockers. Showing 15" cubes. Need to be able to get a backpack in the locker. At minimum 18" wide by 18" deep by 15" high locker at 4 or 5 high. Need 100 total.
2. High volume fans in MAC have been eliminated. David Proffitt does not want the fans to be the focal point of the room. Over ride for fans to be at check-in desk.
3. Smart-board technology to be in classrooms and Administration conference room. Smart-boards are not in the project but need to be roughed-in for blocking, power and data. The smart-boards will utilize the integral projector.
4. Will also need to provide rough-in for overhead projectors in the Classrooms. Projectors are not in the construction scope of work. Projection screens will need to be provided and will be in the construction scope of work.
5. David Proffitt would prefer that the sill of all interior windows and storefronts be raised a minimum of 4" above the floor.
6. IT closet on main level to have a subdivided room with door for UofL IT.
7. "Robbins" Pulastic to be basis of design in the MAC and the running track. 7+2 track, 9+2 MAC.
8. Carpet to be provided in all spaces in the administrative area except Reception and transaction.
9. Carpet to be provided in the corridors outside the Aerobics rooms.
10. The second and third levels will have carpet in lieu of the polished concrete originally discussed. David Proffitt would prefer to use a durable floor surface outside the stair tower and elevator on the third level.
11. All walls in the MAC to have CMU to 16' above finish floor.
12. Cannon researching mats for the Sports Club that can be stored. This would allow the Sports Club floor to be all wood when mats are not in use.
13. Floor in the small Aerobics room to have wood floor.
14. Carpet to be provided in the locker rooms.
15. No ceiling in the small Aerobics room. Will need to consider acoustics in this space if no ceiling is provided.

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16. "Senoh" to be basis of design for volleyball and badminton equipment.
 17. Horner to be basis of design for all wood floors.
 18. Dedication plaque to be in the project. Possible location would be in main entry vestibule.
 19. Drawings to show running dimensions to all column lines from the control point shown on the floor plans.
 20. All ramps to be 21:1 slope, therefore ramp requirements per code are not required.
 21. Do not show equipment on enlarged floor plans.
 22. Chase needs to be shown at water fountains adjacent to the North stair tower.
 23. No pre-engineered stairs to be used. It is preferred that a 3" x 12" steel stringer be used.
 24. Rangaswam to size the structural shelf angle for the brick. Adjustability of the angle will need to be considered.
 25. Douglas fur to be used for all roof blocking. Pressure treated lumber will not be used.
 26. Currently a 2-ply (base sheet, cap sheet) SBS roofing system is specified. David Proffitt would prefer the plys be the thickest available.
 27. CMU wall not to be pinned to structural steel columns. These will need to move independently.
 28. All M/E/P wall mounted items to be aligned both vertically and horizontally. Would like to avoid a random look with items such as strobes, pull stations, annunciators, etc.
 29. Show control joints in gypsum board ceilings.
 30. The design team will investigate using wrap around hollow metal frames.
 31. Main entry doors to use continuous hinges.
 32. Rangaswamy to determine if bond beams are needed above doors less than 6' wide in non load bearing CMU walls.
 33. The design team to develop a scheme for material colors. This scheme will be considered the starting point for color selections. Angela Johnson of UofL, Mike Jacobs, Intramurals, and Cannon to be involved with final color selections. Cannon would prefer the color selections to be made during the Construction Document phase.
 34. David Proffitt requested a full time roof inspector in addition to the inspections required by the roofing manufacturer. This cannot be an employee of the roofing installation company.
 35. See also attached meeting minutes as prepared by Michael Jacobs of Omni Architects dated August 16, 2011 for additional notes and comments.
- B. Review of budget and cost estimates from Omni Architects and Robert Pass and Associates:
1. David Proffitt clarified the amount of additional funds for the burying of underground utilities. This will be \$355,000 added to the project. This has been revised in the Omni estimate.
 2. \$434,683 will be used for the MSD fund transfer. This has been revised in the Omni estimate.
 3. Both the Omni prepared estimate and Robert Pass prepared estimate are under budget. See attached estimates.
 4. High volume fans have been removed from the MAC.
 5. Alternates will still need to be determined.
 6. Rainwater harvesting may be a deduct alternate.
 7. CMTA may change the solar heating approach for hot water. Geothermal may be used during peak times and solar for low demand.
 8. John Carman to contact MSD and John Stratton of UofL to determine if the rainwater harvesting system could apply to the MSD fund transfer. While this may not increase the \$2 allowance per SF of site, it may add to the \$434,683 credit.
 9. Condensate will also go to the rainwater harvesting system.
 10. Everything shown on the "Potential Cost Savings" sheet will remain in the project except for the following
 1. The high volume fans will be removed from the MAC.

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2. Sports flooring to remain in Cardio areas. Note: David Proffitt distributed an e-mail on September 9 stating that, per Intramurals, carpet would not be considered under the cardio equipment. This will remain sports flooring.
 3. Rubber treads and risers for stairs and rubber tile for stair landings will be removed from the project.
 4. Acoustical panels to be removed from the MAC. It is possible that acoustical wall panels will be added to the small aerobics room since a ceiling will not be provided.
 5. Epoxy flooring add for locker rooms can be removed from the cost estimate.
 6. Electric hand dryers to be removed from the cost estimate.
 11. The overhangs in the Southwest corners of the MAC and upper level gyms to have the roofs accessible. Roof hatch and ladder to be provided. Note: If roof hatch is within 10' of the roof edge either a 42" high parapet needs to be provided or a guard rail.
 12. CMTA and UofL to begin looking at the requirements for digital surveillance. It is possible the budgeted number in the estimate may be reduced.
 13. The fence around the Great Lawn to be a 10' high black vinyl chain link. The North side of the fence to have netting extending 30'.
 14. All viewing berms and landscaping to remain.
- C. Discussion of bid packages.
1. Foundation bid package may be eliminated. Robert Pass to review this and notify the design team if this is prudent.
 2. Bid Package #1, Site Prep, to include the following:
 1. Fencing to be located on the West side of the existing sidewalk. Fencing to be 8' high chain link with fabric containing view ports.
 2. Existing sidewalk to remain for now though utility work for burying overhead utilities may require the removal of sidewalk.
 3. Protect trees not scheduled to be removed. Currently no trees to be removed along 4th Street unless they conflict with new entrances in which case those can be relocated.
 4. Two construction signs to be provided. David Proffitt to send typical construction sign layout to the design team.
 5. Temporary toilets to be provided.
 6. Demolition of asphalt, curbs, trees, light poles, bases, huts, duress alarms (may be reused)
 7. Bid Package #1 will NOT include mass excavation for site, detention basins, storm sewers or utility installation.
 8. No utilities included in this bid pack.
 9. Erosion control
 10. Construction entrance and exit off Fourth Street.
 11. Parking lot behind Kurz is not included in this bid pack.
 12. Bid package #1 scope of work to be delivered to UofL prior to September 24. This will be included in the 30 day notice.
 13. Bid Package #1 review meeting on October 5 at 9:00.
 14. Bid Package #1 to be delivered to UofL on October 24, 2011.
 15. CARMAN will assess the cost for recycling demolished asphalt and concrete. (Could this be bid as an Alternate?).
 16. Bid Package #1 Contractor will provide an as-built survey for verification of their work. U of L will not provide surveys.

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17. Tony Hans will obtain further information from LGE with regards to demolition of sidewalks and/or trees along 4th Street in conjunction with utility relocations. He will also confirm if sidewalk will be replaced by LGE. John Carman will meet with Tony if schedules can be coordinated.
 18. John Carman will email CARMAN's site cost estimate to Robert Pass to work through discrepancies of storm water detention basin costs.
3. Bid Package #2, Steel Package, to include the following:
 1. Bid Package #2 scope of work to be delivered to UofL prior to October 30.
 2. Bid Package #2 review meeting to be the first week of November.
 3. Bid Package #2 to be delivered to UofL the week of November 28.
 4. David Proffitt needs special inspection specification section as soon as possible from Rangaswamy.
 5. Fabrication will not commence until February 23, 2012 once the GC has been selected.
- D. Robert Pass Associates estimate comments.
1. Currently steel is the unknown concerning pricing. Changing the floor and roof trusses from a "v" section to single plane has saved money.
 2. RPA does not have double handling of steel in the estimate.
 3. RPA confident of the Architectural portion of the estimate.
 4. Food Service equipment was not included in the RPA or Omni cost estimates but the roll down gate was not included in the RPA estimate.
 5. RPA included residential appliances in the cost estimate. All residential appliances to be by UofL and not included in the construction scope of work.
 6. Scoreboards are included in the Omni estimate but not included in the RPA estimate.
 7. Commercial washer and drying to be similar to what is in the Yum Practice Facility.
 8. Turnstiles and handicap gates included in both the Omni and RPA estimates.
 9. Access gate at the new parking area may be included in the project. David Proffitt to meet with UofL Parking to determine if this is included in the construction scope of work or if installed by UofL Parking. Conduit to the access gate would be in the construction scope of work.
 10. Mechanical estimate seems appropriate.
 11. Electrical estimate went down from the Schematic Design estimate.
 12. All purpose synthetic field should not be used for rugby.
 13. Water detention number appeared low according to John Carman. Robert Pass to double-check these numbers.
- E. Paladin review comments.
1. Enhanced commissioning as being provided for this project is worth 2 LEED points.
 2. See attached handout from Paladin dated September 8, 2011 for project issue report.
 3. Project issue report to be sent to CMTA. CMTA will respond and send back to Paladin. Paladin will then change the status of each of the review comments as appropriate and redistribute to the design team and David Proffitt.
 4. This process will be repeated at 90% Construction Documents.
 5. Michael Jacobs to send David Proffitt a cost for implementing LEED into the project.
 6. David Proffitt would like a line item for LEED costs in the schedule of values for each sub contractor.
- F. Project is within budget. Design team received verbal authorization to continue into Construction Documents.

This concludes the meeting minutes for the September 9, 2011 meeting.

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The next meeting date and time to be determined.

Meeting minutes have been prepared to establish a record of the meeting and information shared. If you have any questions, additions or corrections please forward to Omni Architects for inclusion in the next edition of the minutes.

CC

Reed Voorhees	Cannon Design
George Nikolajevich	Cannon Design
David Body	Cannon Design
Richard Bacino	Cannon Design (For Internal Distribution)
Anthony Ehlers	Rangaswamy (For Internal Distribution)
John Carman	Carman (For Internal Distribution)
Tony Hans	CMTA (For Internal Distribution)
Tracy Steward	CMTA
Matt Branham	Paladin
Ann Swope	Swope Design
Michael Jacobs	Omni Architects
Don Adams	Omni Architects
Tom Lorenzen	DBA Acoustics
Omni Architects Project file	

ATTACHMENTS

1. September 9, 2011 Sign-In Sheets
2. Project schedule
3. Paladin Project Issue Report dated September 8, 2011
4. Omni Architects 100% DD cost estimate dated September 9, 2011
5. Robert Pass and Associates 100% DD cost estimate dated September 9, 2011



PROJECT RECORD

PROJECT NAME _____ NO. _____ DATE _____

PHONE CONVERSATION MEETING FIELD REPORT MEMO OTHER _____

TO _____ FROM _____

LOCATION _____ TIME _____

ATTENDED BY _____

COMMENTS _____

MICHAEL JACOBS

OMNI ARCHITECTS

Tony Haws

CMTA

Candice Rogers

Paladin

Robert Pass

RPA

DAVID PROFFITT

CL CDC

[Signature]
Rich Arzoo

CANNON DESIGN

Anthony Ehlers

Cannon Design

Don Adams

Rangaswamy

JOHN GISEMAN

OMNI

GISEMAN

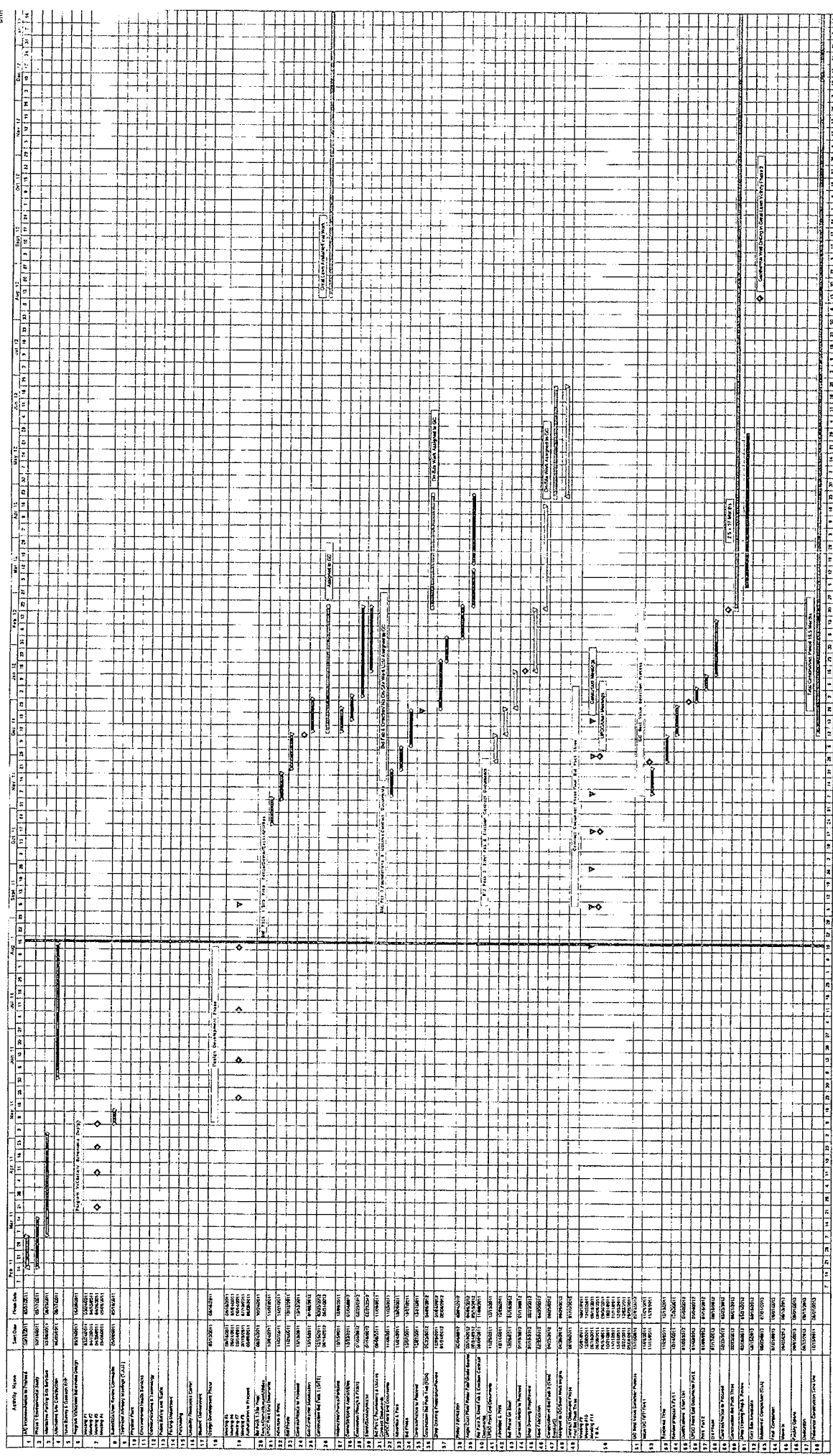
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SIGNED

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Project Issue Report

PROJECT: Student Recreational Facility

LOCATION: Louisville, KY

PROJECT #: UOLBRF

DATE: 9/8/2011

CONTACT: Matt Branham

ID	Name / Area	Status	Deficiency Issue	Action	Date	Performed By
0001	Project Assigned: Matt Branham	Open	UM0102 - Provide detail for proposed underground utility marker similar to site electrical drawing. Type: Design Engineer	Created	8-Sep-11	Matt Branham
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0002	Project Assigned: Matt Branham	Open	UM0102 - Vault sump pump detail refers to three vaults. Is sump pump required in this type of vault? If so, show sump location on UM0101 vault detail. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0003	Project Assigned: Matt Branham	Open	UM0101 - Riser and purge port detail shows digital thermometers; do these require control power? Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0004	Project Assigned: Matt Branham	Open	UM0101 - Geothermal riser and purge port detail is not consistent with vault and well field schematic. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0005	Project Assigned: Matt Branham	Open	UM0100 - Has space and taps been allowed for in well field vault for future three well circuits? Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0006	Project Assigned: Matt Branham	Open	UM0100 - Show service clearances required for transformer, generator, future PV inverter, and above ground well field vault. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0007	Project Assigned: Matt Branham	Open	M0110 - MAC gym has temperature sensor that appears to be on exterior wall. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						

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ID	Name / Area	Status	Deficiency Issue	Action	Date	Performed By
0008	Project Assigned: Matt Branham	Open	M0110 - Stair #1, MAC storage, mech/elec spaces, stair #3, and entry vestibule do not appear to be part of a zone. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0009	Project Assigned: Matt Branham	Open	M0110 - Gymnasium temperature sensor appears to be on exterior wall. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0010	Project Assigned: Matt Branham	Open	M0120 - Mechanical 212 does not appear as part of a zone. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0011	Project Assigned: Matt Branham	Open	M0120 - All racquet/squash courts are on one zone? Is Owner OK? Where will zone sensor be located? Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0012	Project Assigned: Matt Branham	Open	M0130 - Gymnasium temperature sensor appears to be on exterior wall. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0013	Project Assigned: Matt Branham	Open	M0130 - Mechanical 303 does not appear to be part of a zone. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0014	Project Assigned: Matt Branham	Open	M0220 - Proposed duct routing/grille location for racquetball/squash areas not shown. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0015	Project Assigned: Matt Branham	Open	M0311 - Need to show extents of underfloor radiant zones. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						

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Project Issue Report

PROJECT: Student Recreational Facility
 LOCATION: Louisville, KY
 PROJECT #: UOLBRF

DATE: 9/8/2011
 CONTACT: Matt Branham

ID	Name / Area	Status	Deficiency Issue	Action	Date	Performed By
0016	Project Assigned: Matt Branham	Open	M0311 - Tagged Notes and General Notes appear to use same symbols. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0017	Project Assigned: Matt Branham	Open	M0311 - OA-1 and OA-2 is exhausted through roof? Not yet shown on Architectural or Structural plans. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0018	Project Assigned: Matt Branham	Open	M0311 - Show service clearances for all equipment including coil pulls. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0019	Project Assigned: Matt Branham	Open	M1001 - Heat pump/coil hose kit detail appears to be for horizontal above ceiling heat pumps. Provide detail for vertical heat pump. Flex hose placement is important so as to allow for system flushing and prevent creation of "dirt leg" in piping to unit's heat exchanger. Plate/frame heat exchangers are particularly susceptible to this. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0020	Project Assigned: Matt Branham	Open	M1001 - Labels of pumps in OA system piping schematic do not match schedule on M1202. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0021	Project Assigned: Matt Branham	Open	M0401 - Show service clearances including coil pulls for all equipment. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0022	Project Assigned: Matt Branham	Open	M1002 - Has it been coordinated with the Architect where these manifold/valve assemblies will be located? Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						

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Project Issue Report

PROJECT: Student Recreational Facility

LOCATION: Louisville, KY

PROJECT #: UOLBRF

DATE: 9/8/2011

CONTACT: Matt Branham

ID	Name / Area	Status	Deficiency Issue	Action	Date	Performed By
0023	Project Assigned: Matt Branham	Open	M1201 - Where is air-curtain to be installed? Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0024	Project Assigned: Matt Branham	Open	M1202 - Where are fan-coil units, electric unit heaters located? Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0025	Project Assigned: Matt Branham	Open	M1202 - Where are pumps P-6, P-7, and P-8 located? Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0026	Project Assigned: Matt Branham	Open	M1202 - P-8 is on VFD but not P-7? Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0027	Project Assigned: Matt Branham	Open	FP0111 - Provide flow test data on drawings. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0028	Project Assigned: Matt Branham	Open	FP0111 - Show system drain locations. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0029	Project Assigned: Matt Branham	Open	E1401 - Tagged Note 2 - Provide Hawkeye 8100 or similar energy monitoring device. The component must be BACNet per OPR requirements. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0030	Project Assigned: Matt Branham	Open	P0201 - Elevator sump pump discharge location is not identified; coordinate discharge with Architect and code requirements. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						

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Project Issue Report

PROJECT: Student Recreational Facility

LOCATION: Louisville, KY

PROJECT #: UOLBRF

DATE: 9/8/2011

CONTACT: Matt Branham

ID	Name / Area	Status	Deficiency Issue	Action	Date	Performed By
0031	Project Assigned: Matt Branham	Open	P0212 - Booster heater has not been scheduled on plans. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0032	Project Assigned: Matt Branham	Open	UE1201 - S and S1 great lawn fixture have not been scheduled or cut sheets provided. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0033	Project Assigned: Matt Branham	Open	E0312 - Provide convenience receptacles at a minimum for MAC gym. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0034	Project Assigned: Matt Branham	Open	E1401 & E1402 - Riser represents natural gas generator; spec refers to diesel. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0035	Project Assigned: Matt Branham	Open	E0411 & E0412 - Show service clearances required for electrical panels and transformers. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0036	Project Assigned: Matt Branham	Open	Mechanical – How are enclosed stairwells heated and cooled? Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0037	Project Assigned: Matt Branham	Open	Mechanical – How are mechanical and electrical rooms heated and cooled? Are these loads represented in energy models? Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0038	Project Assigned: Matt Branham	Open	Mechanical – What is laundry dryer exhaust and ventilation strategy? Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						

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Project Issue Report

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LOCATION: Louisville, KY

PROJECT #: UOLBRF

DATE: 9/8/2011

CONTACT: Matt Branham

ID	Name / Area	Status	Deficiency Issue	Action	Date	Performed By
0039	Project Assigned: Matt Branham	Open	Mechanical – How is elevator machine room cooled? Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0040	Project Assigned: Matt Branham	Open	Mechanical – Narrative references one OA unit, are the two redundant, what is their control strategy? Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0041	Project Assigned: Matt Branham	Open	Electrical – Narrative describes web-based DDC lighting control system, OPR requires standalone system. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0042	Project Assigned: Matt Branham	Open	Mechanical/Plumbing – Meters for make-up water systems need to conform with requirements of OPR. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0043	Project Assigned: Matt Branham	Open	Mechanical – Provide documentation for design redundancy in geothermal well field as required by OPR. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0044	Project Assigned: Matt Branham	Open	Mechanical – If antifreeze loop is to be utilized, prior consent from UofL operating staff is required. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0045	Project Assigned: Matt Branham	Open	Plumbing – 2nd and 3rd level janitors closets do not currently show mop sinks. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0046	Project Assigned: Matt Branham	Open	Plumbing – Provide hose bibs at building exterior as needed by grounds maintenance staff. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						

Paladin

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LOCATION: Louisville, KY

PROJECT #: UOLBRF

DATE: 9/8/2011

CONTACT: Matt Branham

ID	Name / Area	Status	Deficiency Issue	Action	Date	Performed By
0047	Project Assigned: Matt Branham	Open	Electrical – Present average foot-candle levels for each room on plans. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0048	Project Assigned: Matt Branham	Open	Mechanical – Pump tags in sequence of operations do not match those on plans. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0049	Project Assigned: Matt Branham	Open	Mechanical – Sequence of operations states that high-volume, low-velocity circulating fans only operate below 40 deg F OA temp, is this the desire? Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0050	Project Assigned: Matt Branham	Open	Electrical – Locate all electrical panels and transformers on plans with required service clearances for coordination with other trades. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0051	Project Assigned: Matt Branham	Open	Energy Model – Energy Model data in submittal appears to only be for baseline model, provide proposed model documenting energy improvement over baseline. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						
0052	Project Assigned: Matt Branham	Open	Energy Model – Baseline model is for packaged VAV with electric reheat and gas boiler and domestic water heating. It is our understanding that ASHRAE 90.1 Appendix G will require the baseline be System 6 – all electric with Packaged VAV w/ FP VAV since the proposed design is all electric. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						

Paladin

Engineers ♦ Managers ♦ Technicians

Project Issue Report

PROJECT: Student Recreational Facility

LOCATION: Louisville, KY

PROJECT #: UOLBRF

DATE: 9/8/2011

CONTACT: Matt Branham

ID	Name / Area	Status	Deficiency Issue	Action	Date	Performed By
0053	Project Assigned: Matt Branham	Open	Energy Model – ASHRAE 90.1 Appendix G requires energy reduction achieved to be in terms of energy costs where actual energy rates are utilized in the model. Type: Design Engineer	Created	8-Sep-11	Norma Burks
				Recheck		
				Fixed		
				Accepted		
Comments / Signature						