


**Addendum 3**

**RALPH AND BETTYE BAILEY HALL - 2012**


Purdue University  
West Lafayette, Indiana

**December 23, 2011**



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STATE OF  
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ARCHITECT

*Wayne S. Schmidt*



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PROFESSIONAL ENGINEER

*Wesley B. Harrison*



## ADDENDUM NO. 3

### **PART 1 - CHANGES TO PRIOR ADDENDA (NOT APPLICABLE)**

### **PART 2 - CHANGES TO THE PROJECT MANUAL**

Modifications described herein shall be incorporated in the Project Manual. All other Work shall remain unchanged.

This Addendum consists of the cover page, nine Addendum page(s), and the following attachments:

- Attachment A – Milestone Schedule.
- Drawings AC001 – AC010, AC121, and AC122.
- Drawing A3-7/S-403.
- Sketch A120-A3.
- Pre-Bid Meeting Notes and Sign-in Sheet are being made available to Bidders for informational purposes only and are not a part of the Addendum.

Acknowledge receipt of this Addendum by inserting its number on the Bid Form. Failure to do so may subject the Bid to disqualification. This Addendum is part of the Contract Documents.

#### **2.1 APPROVED MANUFACTURERS**

Add the following as approved equals. Manufacturers listed below are subject to ALL requirements of the Contract Documents, including color selection where applicable.

- A. Section 057300 “Decorative Metal Railings”
  - 1. Tuttle Aluminum & Bronze Co., Inc.
- B. Section 095113 “Acoustical Panel Ceilings”
  - 1. American Decorative Ceilings (APC-5 only).

#### **2.2 CHANGES TO BIDDING DOCUMENTS**

- A. Bidding Documents
  - 1. Document “Instructions to Bidders”
    - a. In item G, on page C-5, first paragraph, the fax number is 765-496-1207.
  - 2. Document “ALTERNATE PROPOSALS”
    - a. Delete second sentence of Alternate No. 7 Landscape Materials in its entirety and replace with the following: “Base bid includes stabilization of all landscape areas with temporary seeding per erosion control plan.”

#### **2.3 CHANGES TO THE SPECIFICATIONS**

- A. Division 01
  - 1. Section 013216 “Construction Progress Schedules”

- a. Add the Milestone schedule labeled ATTACHMENT A behind this section.
2. Section 018199 “Performance Requirements – Acoustical Considerations”
  - a. Add attached Drawings AC001 through AC010, AC121, and AC122 after Section.
- B. Division 05
  1. Section 054000 “Cold-Formed Metal Framing”
    - a. Delete subparagraph 2.2 A. 2. in its entirety and replace with the following:  
“2. Coating: G90.”
- C. Division 07
  1. Section 075216 “Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing”
    - a. Delete subparagraph 3.3 I. in its entirety and replace with the following:  
“I. Mechanically Fastened Insulation: Install each layer of insulation and secure to deck using mechanical fasteners specifically designed and sized for fastening specified board-type roof insulation to deck type.
      1. Fasten insulation according to requirements in FM Approvals' "RoofNav" for specified Windstorm Resistance Classification.”
  2. Section 079200 “Joint Sealants”
    - a. Delete subparagraph 2.2 A. 1. d. in its entirety and replace with the following:  
“d. Sika Corporation; SikaSil WS-295.”
    - b. Add the following subparagraph 2.2 B. 1. b.:  
“b. Sika Corporation; SikaSil N Plus.”
    - c. Add the following subparagraph 2.2 C. 1. e.:  
“e. Sika Corporation; SikaSil GP.”
    - d. Delete subparagraph 2.3 B. 1. c. in its entirety and replace with the following:  
“c. Sika Corporation; Sikaflex – 2c NS EZ.”
- D. Division 08
  1. Section 084113 “Aluminum-Framed Entrances and Storefronts”
    - a. Delete paragraph 1.4 J. in its entirety.
    - b. Within paragraph 2.5 A. 1., replace as follows:  
“...1-3/4-inch overall thickness...” with “...2-inch overall thickness...”
  2. Section 084413 “Glazed Aluminum Curtain Walls”
    - a. Within paragraph 2.1 A., replace as follows:  
“...1600 Wall System 1; Kawneer North America...” with “...1600 Wall (system as required to meet performance requirements); Kawneer North America...”
    - b. Within paragraph 2.7 D., replace as follows:  
“...using screw-spline system.” with “...using screw-spline or shear block system.”

## **PART 3 - CHANGES TO THE DRAWINGS**

Modifications described herein shall be incorporated in the Drawings. All other Work shall remain unchanged.

### **3.1 C-SERIES DRAWINGS**

#### **A. Drawing CL101**

1. Modify layout note #3 to read: "Pavers, see detail 1B/CL502 and specifications."
- B. Drawing Number 1A, 3A & 3B/CL501
  1. Add the following note to Drawing 1A, 3A & 3B:  
"All concrete flatwork shall receive 1.5#/CY synthetic fibers and 6" x 6" – W2.1/W2.1 welded wire mesh."

### 3.2 S-SERIES DRAWINGS

- A. S-101
  1. Add the following note adjacent to grid B between grids 4 & 6: WF36 -16'-8"
  2. Add an elevation cut-mark symbol 7/S-403 looking west toward the inside face of basement wall along grid B between grids 4 & 6.
  3. Add the following FOUNDATION PLAN NOTES:
    20. G.C. MAY SUBSTITUTE 6x6-W2.1xW2.1 W.W.F. FOR FIBERMESH REINFORCING IN INTERIOR SLABS-ON-GRADE (AT CONTRACTOR'S OPTION).
    21. INSTALL RECESSED SLABS BELOW THE BASEMENT AIR HANDLING EQUIPMENT CONDENSATE DRAIN TRAPS. EXACT LOCATIONS, SIZES AND DEPTH OF RECESS SHALL BE COORDINATED WITH THE MECHANICAL CONTRACTOR PRIOR TO SLAB INSTALLATION. FOR BIDDING PURPOSES, ASSUME (2) 6" X 6" X 4" DEEP RECESSES WILL BE REQUIRED. REFERENCE THE TOP DETAIL OF 8/S401.
- B. S-402
  1. Section 7: Change 12" CONCRETE MAT FTG. to 16" CONCRETE MAT FTG.
  2. Section 7: Add the following note:

TOP OF MAT FOOTING ELEVATION = -20'-0"  
(G.C. VERIFY w/ ELEVATOR SUPPLIER  
PRIOR TO CONSTRUCTION)
  3. Section 7: Add CONT. WATERSTOP Rx where the slab-on-grade abuts the 12" concrete wall.
- C. S-403
  1. Add Detail 7 BASEMENT WALL ELEVATION - GRID B per attached Drawing A3-7/S403.
- D. S-601
  1. Under COLD-FORMED (LIGHT GAUGE) METAL FRAMING NOTES:
    - a. Revise Note #2 as follows: Change Fy=36 ksi to Fy=33 ksi for 18, 20 gauge members.
    - b. Add Note #27 as follows:

27. The requirements listed above shall pertain to all cold-formed framing covered under Specification Section 054000 and need not pertain to framing covered under Specification Section 092216.

### 3.3 A-SERIES DRAWINGS

- A. Drawing Number A002
  1. Modify Detail 1B; replace as follows:  
“07 84 46.A1” with “07 92 19 – Acoustical Joint Sealant”
  2. Modify Detail 2B; replace as follows:  
“07 84 46.A1” with “07 92 19 – Acoustical Joint Sealant”
- B. Drawing Number A120
  1. Modify Plan 2A per the attached Sketch A120-A3.
- C. Drawing Number A314
  1. Modify Section 1A by adding the following note:  
“Insulation & waterproofing at this location similar to 1A/A311.”
- D. Drawing Number A316
  1. Modify Detail 4E by adding one-inch thick ductliner to the exposed faces (vertical & horizontal) of the projection screen recess.
- E. Drawing Number A317
  1. Modify Section 3A by adding the following note:  
“Reference 6A/A201 for brick coursing/pattern requirements.”
- F. Drawing Number A414
  1. Modify Plan 1A by changing the South and West walls to be wall type M8gD in lieu of cast-in-place concrete.
  2. Modify Section 3A by adding the following note:  
“Provide waterproofing on exterior, vertical surfaces of elevator pit walls; similar to 1A/A311.”
  3. Modify Section 4A by adding the following note:  
“Provide waterproofing on exterior, vertical surfaces of elevator pit walls; similar to 1A/A311.”
- G. Drawing Number A601
  1. Modify Door Remark #3; replace as follows:  
“STC-32 min.” with “STC-35 min.”

### 3.4 M-SERIES DRAWINGS

- A. Drawing Numbers M100, M101, M102, and M110
  1. MECHANICAL HVAC PLAN NOTES
    - a. Revise Plan Note #7 to read as follows:  
“Alternate bid shown. Under base bid provide same floor supply grilles as alternate bid. Under base bid provide Price Model 510Z or approved equal for the

return grille located in the wall. All return ductwork shown on the alternate bid to be removed back to one return location for each space in shell wall, for base bid.”

- B. Drawing Number M601
  - 1. AIR COOLED CHILLER SCHEDULE
    - a. Model Number
      - 1) Revise to the following:  
“AGZ080DH”
- C. Drawings Number M702
  - 1. Diagram 1A, VAV Box with Reheat:
    - a. Notes for VAV Boxes:
      - 1) Revise Note #3 to read:  
“VAV controller/actuator furnished by Owner to TCC for field installation and wiring.”
- D. Drawings Number M703
  - 1. Diagram 1A, Heat Pump Fan Coil Units:
    - a. Diagram:
      - 1) Remove return air humidity sensor.
    - b. Notes:
      - 1. Revise all of the notes to read as the following:  
**SUPPLY FAN START/STOP:** THE SUPPLY FAN WILL RUN CONTINUOUSLY OR BE STARTED BASED ON SPACE TEMPERATURE TO MAINTAIN SETPOINT. IF THE SUPPLY FAN STATUS DOES NOT MATCH THE COMMANDED VALUE, AN ALARM WILL BE GENERATED. WHEN THE SUPPLY FAN STATUS INDICATES THE FAN STARTED, THE CONTROL SEQUENCE WILL BE ENABLED.
      - 2. **ZONE CONTROL:** THE ECONOMIZER DAMPERS OR HEATPUMP WILL OPERATE IN SEQUENCE TO MAINTAIN THE SPACE TEMPERATURE AT SETPOINT.
        - a. IF THE ZONE TEMPERATURE IS ABOVE SETPOINT, THE HEATPUMP COMPRESSOR SHALL BE ENERGIZED AND THE HEATPUMP REVERSING VALVE SHALL REMAIN DE-ENERGIZED. IF THE OUTSIDE AIR TEMPERATURE IS BELOW 55F, THE OUTSIDE AIR DAMPER SHALL MODULATE AS REQUIRED TO MAINTAIN SETPOINT AND THE HEATPUMP COMPRESSOR SHALL BE DE-ENERGIZED.
        - b. IF THE ZONE TEMPERATURE IS BELOW SETPOINT, THE HEATPUMP REVERSING VALVE SHALL BE ENERGIZED TO THE HEATING POSITION AND THE HEATPUMP COMPRESSOR SHALL BE ENERGIZED TO MAINTAIN SETPOINT. THE OUTSIDE AIR DAMPER SHALL BE CLOSED.
      - 3. **ECONOMIZER SWITCHOVER:** WHEN THE OUTSIDE AIR TEMPERATURE IS BELOW 55F, THE ECONOMIZER WILL BE ENABLED. WHEN THE OUTSIDE AIR TEMPERATURE RISES ABOVE 55F, THE

ECONOMIZER WILL BE DISABLED. ALLOW DIFFERENTIAL TO PREVENT SHORT CYCLING.

4. **MIXED AIR CONTROL:** THE MIXED AIR SENSOR SHALL PREVENT THE MIXED AIR TEMPERATURE FROM DROPPING BELOW 50F.
5. **OUTSIDE AIR INTAKE DAMPER CONTROL:** IF EITHER FAN COIL UNIT RECEIVES A START COMMAND, THE OUTSIDE AIR INTAKE DAMPER SHALL OPEN. VERIFY DAMPER IS OPEN BEFORE ENABLING EITHER FAN COIL UNIT.
6. **NIGHT SETBACK/NIGHT SETUP:** WHEN IN “UNOCCUPIED” MODE, THE UNIT WILL CYCLE AS NECESSARY TO MAINTAIN THE NIGHT SETBACK ZONE TEMPERATURE AT SETPOINT. A DIFFERENTIAL PREVENTS THE UNIT FROM CYCLING EXCESSIVELY.
7. **SECONDARY CONDENSATE PAN WATER SENSOR:** IF WATER IS SENSED IN THE SECONDARY CONDENSATE PAN, THE UNIT SHALL STOP AND AN ALARM SHALL BE SENT TO THE FRONT END OPERATOR’S TERMINAL.
8. **SHUTDOWN:**  
WHEN THE UNIT IS SHUTDOWN BY EITHER A STOP COMMAND OR SYSTEM SAFETY THE UNIT WILL BE SET AS FOLLOWS:
  - a. SUPPLY FAN WILL BE OFF
  - b. HEATPUMP COMPRESSOR WILL BE OFF
  - c. OUTSIDE AIR DAMPER WILL BE CLOSED
9. **POINTS LIST:** THE FOLLOWING REPRESENTS THE MINIMUM POINTS TO BE PROVIDED AND DISPLAYED IN THE SYSTEM GRAPHICS. ADDITIONAL POINTS REQUIRED TO MEET THE SEQUENCE SHALL BE PROVIDED AND ALSO SHOWN.
  - a. BINARY INPUTS:
    - i. SUPPLY FAN STATUS
    - ii. SECONDARY CONDENSATE PAN WATER SENSOR
    - iii. COMMON OUTSIDE AIR DAMPER STATUS
  - b. BINARY OUTPUTS:
    - i. SUPPLY FAN START/STOP
    - ii. HEATPUMP COMPRESSOR ENABLE
    - iii. HEATPUMP REVERSING VALVE
    - iv. COMMON OUTSIDE AIR DAMPER
  - c. ANALOG INPUTS:
    - i. OUTSIDE AIR TEMPERATURE (MAY BE BROADCAST)
    - ii. DISCHARGE TEMPERATURE
    - iii. SPACE TEMPERATURE
    - iv. MIXED AIR TEMPERATURE (AVERAGING SENSOR REQUIRED)

- d. ANALOG OUTPUTS:
  - 1) MIXED AIR DAMPER CONTROL

### 3.5 T-SERIES DRAWINGS

- A. Drawing Numbers T001 and T002
  - 1. Within Telecommunication Site Plan Note #1, delete “encased in concrete”.
- B. Drawing Numbers T101 and T102
  - 1. Within the Data Device Schedule, provide (2) data cables per each Wireless Access Point as indicated in Detail in detail 5D, Sheet T401.
- C. Drawing Number T403
  - 1. Within Details 2E, 4A, and 4E, remove requirement for concrete encasement. In addition, minimum cover for Trench in Pavement as shown in Detail 2E shall be 48-inches.

### END OF ADDENDUM NO. 3

### PRE-BID ATTENDANCE

The following Pre-Bid Meeting Notes and Sign-In Sheet are being made available to Bidders for informational purposes only and are not a part of the Addendum.

### BIDDER QUESTIONS AND ANSWERS

- A. Pre-bid meeting question 6 – there was a request for the base bid landscape plan.
  - 1. Per this addendum, a modification to the bidding documents, alternate proposals is being made to clarify the base bid landscape requirement.
- B. Pre-bid meeting question 7 – please clarify wire mesh vs. rebar on site concrete?
  - 1. Per this addendum, clarification is made to drawing Number **1A, 3A & 3B/CL501**.
- C. Alternate #6, should a 12” wide concrete containment band be figured around the pavers where they are not bound in by other features?
  - 1. The specifications call for aluminum edge restraint mechanically fastened to the concrete subslab. This provides paver edge restraint where there is not another site feature in place that would act as the restraint.
- D. Question: On sheet T001 note 1 provide 4 4” underground conduits encased in concrete from tunnel to BDF121 for telecommunication services as specified in section 270543. In 270543 Part 2 Products 2.01 A2 may be non-metallic PVC (minimum of schedule 40) and in 2.01 B. 1A PVC Conduits encased in concrete PVC Type DB and to meet NEMA TC-6 standards ? TC-6 does not meet (schedule 40) 2.01 C (Rigid Heavy Wall Conduit) C6. Used where crossing under roads, tunnels, or intersections? So would these conduit under Central Drive, Grant Street and under the paved parking lot need to be (Rigid Heavy Wall Conduit).
  - 1. Answer: Requirement for concrete encasement will be removed in this addendum. Telecommunications services conduit may be directionally bored HDPE SDR 11.

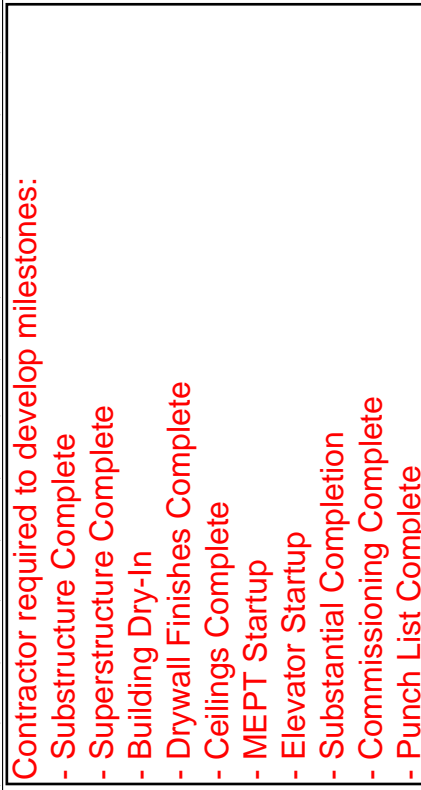
- E. Question: On sheet T403 Detail 1C and 3C In 1C there three darken lines one to Bailey, one to Knoy and one to Cent Node are we only providing Copper backbone to Bailey or to all three and if we are providing backbone to Cent Node and Knoy. What would the routing be, none shown on the drawings? In 3C there are two darken lines one to Bailey and one to Cent Node are we only providing Fiber backbone to Bailey or to both Bailey and Cent Node.
1. Answer: Refer to Detail 1A, Sheet T403 for communications backbone requirements.  
Only provide new backbone cabling to Bailey Hall as indicated. Other backbone cabling indicated in Details 1C and 3C exist and are shown for splicing reference only.
- F. Drawing M402, detail 1 shows the location of the humidifier (HUB-1) but I do not find a piping detail for the humidifier. Will one be provided?
1. A piping detail will not be provided. Any and all connections made to the humidifier will need to be coordinated with the manufacturer's instructions.
- G. Drawing M402, detail 1 shows an RO system (ROB-1) to feed the humidifier (HUB-1). I find a schedule for the RO system but do not find a specification for the equipment or the piping. I also do not find a piping detail. Will specifications and piping details be provided for these items?
1. There is not a spec nor a detail for this specific piece of equipment. All information can be coordinated with the basis of design manufacturer's representative or any other HVAC water treatment manufacturer's representative that meet the schedule on the drawings.
- H. Drawing M402, detail 1 shows the location of a glycol mixing tank. I do not find a schedule or a piping detail. Will these be provided? What percent glycol is required for the chilled water system and who furnishes glycol?
1. The glycol mixing tank is specified in the specification section 232500 "HVAC Water Treatment".
- I. Drawing M401 ACB-1 hydronic coil locations do not match the coil locations on the detail for ACB-1 on drawing M504, detail 4a. Which is correct?
1. The coil connections on M504, detail 4A are correct. This will be cleared up in an addendum.
- J. The "P" series drawings do not have a scale shown. It appears that these drawings are 1/8" = 1'. Please confirm.
1. The scale for the plumbing drawings is 1/8" = 1'-0".
- K. I do not find specifications for the discharge piping from the duplex storm ejector pump (SP-1) and the duplex sanitary ejector pump (SP-2). Will one be provided?
1. The specification for storm piping is in specification section 221316 "Sanitary Waste, Storm, and Vent Piping".
- L. Mechanical drawings M-801 and M-802 are blank. Was this done intentionally?
1. Yes, this was done intentionally. These are where the Purdue Control Drawings will be pasted from Addendum #1.
- M. Will mechanically pulled tees be allowed for copper piping?
1. Only piping, fittings, valves, and accessories that are currently in the specifications will be allowed.
- N. The plumbing drawings do not indicate scale size on each print.

1. The scale for the plumbing drawings is  $1/8" = 1'-0"$ .
- O. M-601 air cooled chiller model number would indicate a remote chiller by manufacturer's breakdown; however the schedule and prints do not indicate a remote package. Will this unit be a package unit?
  1. The chiller model number is to be changed to "AGZ080DH" as indicated above in this Addendum.
- P. M-502 detail 3C shows a gauge and thermometers at each FCU/VAV. Is this the intent to install these items at each piece of equipment?
  1. Yes, this is the intent.
- Q. No piping detail is shown for the fintube radiation.
  1. A fintube radiation detail will not be issued. This is part of a separate pumped system that is connected to the main heating system. There is a detail for the inline pump used in this system.
- R. PF1A1 note 26 would indicate storm piping to downspout boot; does this note pertain to this drawing?
  1. Plan Note 26 is used on the floor plans. The canopy has three (3) sets of roof drains, all of which are 3", and the leaders that come off of the canopy drains drop in a chase/wall. That is what Plan Note 26 is referring to.



ATTACHMENT A

Activity ID	Description	Orig Dur	Early Start	Early Finish	2011	2012	2013						
					DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
<b>Milestones</b>													
1000	Start Date - Construction	0	01MAR12*										
1010	Substantial Completion -	0		14JUN13*									
<b>Sitework</b>													
1020	Mobilization	10d	01MAR12	14MAR12									
1170	Site Development	80d	12OCT12	04FEB13									
<b>Building Construction</b>													
1180	Excavation	10d	15MAR12	28MAR12									
1030	Substructure	40d	29MAR12	23MAY12									
1040	Superstructure	45d	24MAY12	26JUL12									
1050	Structural Concrete (above grade)	35d	06JUL12	23AUG12									
1060	Exterior Enclosure	50d	03AUG12	11OCT12									
1070	Roof Enclosure	40d	28SEP12	22NOV12									
1080	Interior Construction	90d	26OCT12	04MAR13									
1090	Interior Finishes	80d	22JAN13	13MAY13									
1140	Furniture/Equipment	20d	14MAY13	10JUN13									
<b>Building Systems</b>													
1100	MEPT U/G Rough-In	20d	29MAR12	25APR12									
1110	MEPT Overhead Rough-In	60d	24AUG12	15NOV12									
1120	MEPT In Wall Rough-In	40d	16NOV12	14JAN13									
1190	MEPT Finishes	30d	15JAN13	25FEB13									
1130	MEPT Equipment Start Up	20d	26FEB13	25MAR13									
<b>Project Management</b>													
1160	Commissioning	30d	14MAY13	24JUN13									
1150	Punch List	40d	17JUN13	12AUG13									



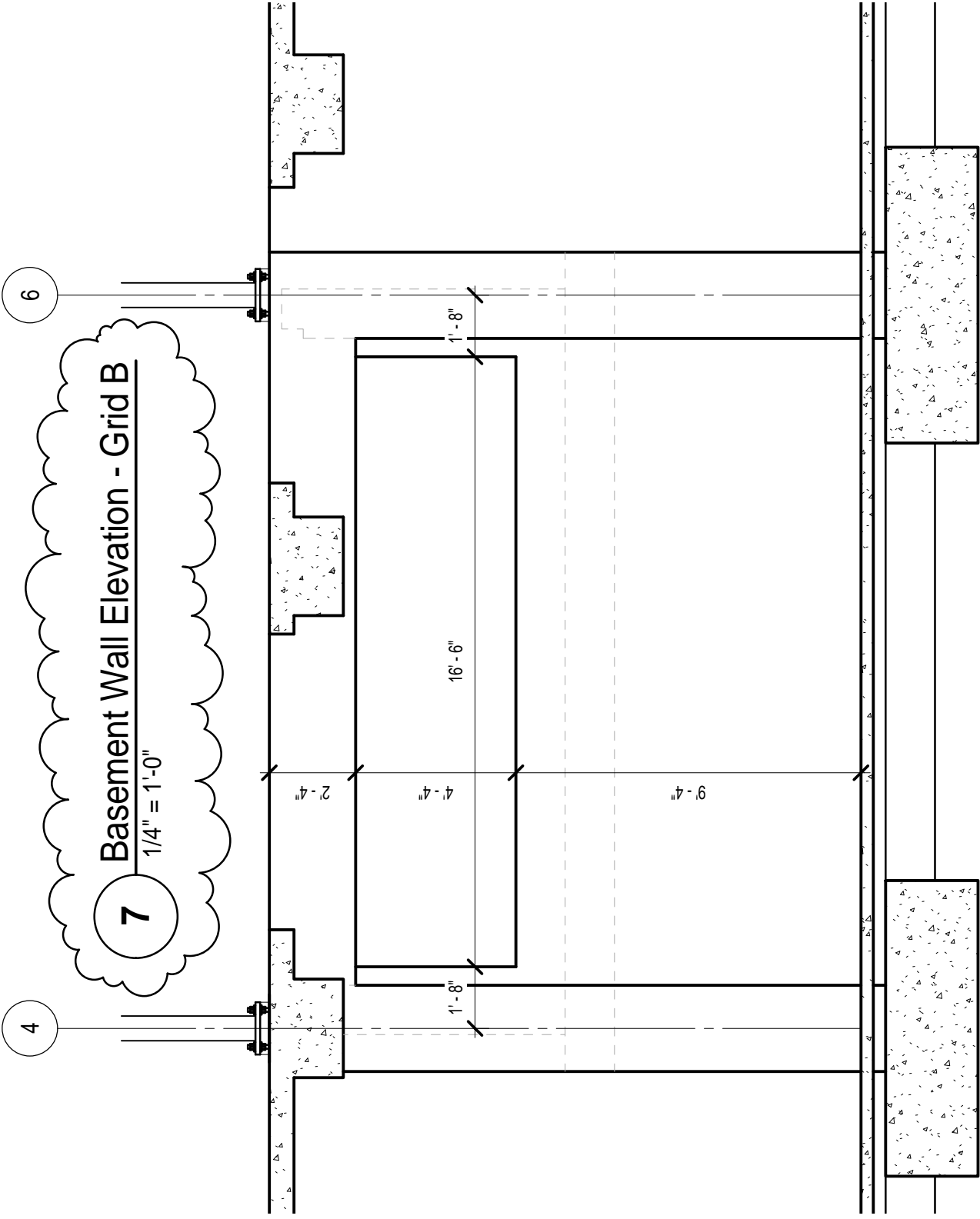
- Contractor required to develop milestones:**
- Substructure Complete
  - Superstructure Complete
  - Building Dry-In
  - Drywall Finishes Complete
  - Ceilings Complete
  - MEPT Startup
  - Elevator Startup
  - Substantial Completion
  - Commissioning Complete
  - Punch List Complete

Start date	21DEC11
Finish date	12AUG13
Data date	21DEC11
Run date	21DEC11
Page number	1A
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**Schmidt Associates, Inc.**  
**Bailey Hall - Purdue University**

	Early bar
	Progress bar
	Critical bar
	Start milestone point
	Finish milestone point





#	Revision	Date
1	Addendum 3	12.23.2011

**Addendum 3**  
 Drawing #: A3-7/S403  
 Date: 12.23.2011  
 Project #: 2010-050.BH1



# Meeting Notes

**Attendees:** Jim Naville, Purdue University  
Lisa Gomperts, AIA, Schmidt Associates  
Sarah Hempstead, AIA, Schmidt Associates,  
Chris Hawk, PE, Schmidt Associates

*See attached sign in sheet*

**From:** Lisa C. Gomperts, AIA, LEED AP  
Project Manager / Principal  
lgomperts@schmidt-arch.com

**Date:** December 21, 2011

**Re:** Pre-Bid Meeting Notes  
Purdue University - Bailey Hall  
2010-050.BH1 4.1

**Meeting:** December 21, 2011      **Time:** 10:00 am

**Location:** Purdue University

*Architecture  
Engineering  
Technology  
Interior Design  
Landscape Architecture*

*Wil-Fra-Mar Building  
320 East Vermont Street  
Indianapolis IN 46204-1640  
317.263.6226  
317.263.6224 (fax)  
www.schmidt-arch.com*

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The purpose of this meeting was to review the Scope of the Project and respond to Bidders' questions before bidding. All Bidders bidding this Project shall review the Bid requirements described in the Documents. This meeting is intended to cover highlights, not all of the requirements of the Contract Documents.

1. A Sign-in sheet was circulated at the meeting – See attached
2. The following introductions will be made:
  - a. Principal/Project Manager – Sarah Hempstead
  - b. Project Manager – Lisa Gomperts (Schmidt Associates primary contact for questions – lgomperts@schmidt-arch.com )
  - c. Project Architect – Ryan Benson
  - d. Construction Administrator – Ron Ewing
  - e. Owner's Representative – Jim Naville
  - f. Civil Engineer – David Lach, Cripe Architects and Engineers
  - g. Acoustical Consultant –Rick Talaske, Talaske
  - h. A/V Consultant – Chris Kusek, Talaske
  - i. Mechanical Engineer – Chris Hawk
  - j. Plumbing Engineer – Mike Perry
  - k. Electrical Engineer – Jeff Reed

- l. Structural Engineer – Rob Dee, Lynch Harrison  
Brumleve
  - m. Technology – James Darnell
3. Questions during bidding should be directed to Schmidt Associates – Lisa Gomperts. Questions shall be submitted ten days prior to bidding (**December 30, 2012**) for a formal written response incorporated into an addendum. You may ask questions verbally; however, all responses given verbally from any entity shall not be considered official nor part of the Bidding Documents.
  4. Contract Documents and Bidders List may be obtained from Purdue University Printing Services. The deposit is \$300 per hardcopy set payable to Purdue University Printing Services. The deposit will be returned upon receipt of the complete Bid Set within two weeks of the Bid date. A nonrefundable fee of \$6 will be added for postage or delivery when necessary. One compact disk containing bidding documents in PDF format is available for pick up at no charge.
  5. The Bids are due at 3pm on Tuesday, January 10, at the following location:
    - a. Parking Facilities Office, Visitor Information Center  
504 Northwestern Ave., West Lafayette, IN 47906
    - b. Bids will be publicly opened at the same address in the Conference Room.
  6. Work shall be performed under one Unified Contract. This Project is a Public Works job and all Bids shall be executed in accordance with Indiana Board of Accounts Form No. 96. A one hundred percent (100%) Bid Bond and any alternates are required as described in Document A-1 “Advertisement for Bids”. All Bidders should review the Project Manual for all bidding requirements.
  7. Attendance at the Pre-Bid meeting as scheduled is not required for Bidder’s Bid to be considered responsive.
  8. A Pre-Award meeting may be required with the apparent low Bidder to review their qualifications, preliminary schedule, and subcontractor qualifications.
  9. Bidders are required to submit two "Subcontractors and Products" lists. The Principal Subcontractor Questionnaire shall be submitted with the Bid; the other longer list shall be submitted by 3:00 p.m., January 17th, to:

Physical Facilities Construction Department  
401 S. Grant Street  
Purdue University  
West Lafayette, IN 47907-2024

The Owner can reject a Bid if these lists are not provided as stipulated. The Owner reserves the right to accept or reject the Bid for a period up to sixty (60) days after Bid opening.

10. A one hundred percent (100%) Labor and Material Payment Bond and a one hundred percent (100%) Performance Bond are required.
11. If there is a discrepancy between Drawings and Specifications not clarified before bidding, the order of precedence shall be followed per GC “General Conditions of the Contract”.
12. Bidders should note the Wage Rate requirements in Documents A-1 “Advertisement for Bids” and B-1 “Wage Rates”.
13. Bidders should note the One-Year Correction Period requirement in Document GC “General Conditions of the Contract” item 26.
14. Bidders should have submitted any proposed substitutions to the Architect/Engineer no later than ten days prior to the Bid opening (**December 30, 2011**). All substitutions must be approved before bidding and included in an Addendum. Substitutions will not be considered during construction.
15. The Owner is tax exempt.
16. Bidders should note Document GC “General Conditions of the Contract” item 6 regarding timely completion of the Project and possible back-charges against the Project Closeout line item on the Schedule of Values.
17. The Bidder shall note the cleaning requirements of Specification Section 017300 “Execution.”
18. The Bidder shall note the “Use of Premises” in Specification Section 010100 “Project Requirements” and 015000 “Temporary Facilities and Controls”. Tobacco, drug, and alcohol use is prohibited. (Exception: Smoking is only permitted in designated areas or inside privately owned, closed vehicles).
  - a. Project Coordination
    - 1) Schedule - refer to GC “General Conditions of the Contract” Item 4 and Specification Section 013216 “Construction Progress Schedules.”
    - 2) Applications for Payment - refer to GC “General Conditions of the Contract”.
    - 3) Insurance - refer to Document GC “General Conditions of the Contract” Item 19.
      - a) Builder’s Risk and Liability Insurance
19. Description of Work - refer to Specification Section M-1 “Alternate Proposals and Section 010100 “Project Requirements”.
20. Other Comments
  - a. Damages - Refer to Contract Documents regarding liquidated damages of \$1000/day.

- b. Reference document, GC “General Condition of the Contract” Item 32, for requirements of building permits. The Owner will obtain and pay for all permits with the exception of the Crane permit. The Contractor is responsible for obtaining the crane permit from the FAA.
- c. Substantial Completion, as stated in the Contract Documents, is anticipated for June 14, 2013, for the total Project to be substantially complete. There is a 60-day limit on completing all Punch Lists items or there will be additional charges to the Contractor. There is a two-inspection limit on Punch Lists or there will be additional charges to the Contractor. Final Completion means done-done with all Punch Lists complete and all Closeout Documents submitted.
- d. Project personnel - Refer to the Contract Documents. Contractor shall provide a qualified Project Superintendent and Project Manager. Contractor may not remove Project Superintendent and Project Manager from Project until the time final payment is made.
- e. Project subcontractors qualifications - Refer to Specifications - subcontractor will be required to submit qualification information prior to award of Contract. Subs required to submit information include, but are not limited to, Mechanical, Electrical, Structural Steel, and Masonry.
- f. Bidders shall keep in mind that the surrounding buildings will be occupied year round and that construction sequencing is important.
- g. Alternates were reviewed as listed in the Bidding Documents.

## 21. Questions & Answers

- 1) A request was made for a written clarification of the electrical system base vs alternate in the first five alternates.
  - a) This will be addressed in the addendum.
- 2) For the first five alternates, what is the base versus alternate wall assembly?
  - a) The wall assembly sheet clarifies the alternate vs base wall conditions
- 3) Under section 31500 it reads that all shoring materials need to be removed? For the anchoring system do you really want everything removed underground?
  - a) Purdue responded - Yes, all shoring materials need to be removed after construction is complete.
- 4) Can shoring go under the streets?
  - a) Yes, but the contractor would need to verify utilities. Purdue suggested looking at alternate shoring methods that would not go under the street and potentially affect the utilities.
- 5) Where is the milestone schedule referenced in Section 013216 Construction Progress Schedules?
  - a) A schedule will be issued by addendum.
- 6) There was a request for the base bid landscape plan

- a) This will be addressed by addendum.
- 7) Please clarify woven wire mesh versus fiber reinforcing on site concrete?
  - a) This will be addressed by addendum.
- 8) Need clarification of the "SW1" note on the basement bulkheads on Sheet A120
  - a) This is clarified in the General notes on that sheet and references back to the wall types' sheet.
- 9) There is a difference in the wall types of the elevator machine room between the structural and the architectural drawings. Structural shows concrete block walls and architectural shows poured concrete. Please clarify.
  - a) This will be addressed by addendum.
- 10) Is the June 14<sup>th</sup>, 2013 date substantial completion?
  - a) Purdue responded that this was the substantial completion with 60 days to do punch. It was also noted that substantial completion means it is a useable building
- 11) What is the ceiling that requires FAA permits for cranes?
  - a) Purdue responded that the Contractor should count on anything building over two stories needing a crane permit.
- 12) Are minorities required?
  - a) Minority participation is encouraged and tracked, but not required.
- 13) Can you clarify the start date?
  - a) Yes. This will be clarified with the milestone schedule to be issued by addendum.
- 14) Do you intend to build the HVAC units on site? When do you need them?
  - a) Yes. The schedule will ultimately be determined by the general contractor, but probably within 4 months.
- 15) Can we do the A/V pricing breakout later?
  - a) Yes. The addendum will clarify that this is not required until January 17<sup>th</sup>
- 16) How many addenda will be issued?
  - a) There have been 2 addenda issued to date. One to change the date from January 5<sup>th</sup> to January 10<sup>th</sup> and Addendum #2 to issue the temperature control drawings. We anticipate another addendum the week of the 26<sup>th</sup> and the final addendum the first week in January.

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If any of the above does not agree with your understanding, please clarify by return mail within seven days of receipt. Otherwise, notes shall stand as written.

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