



## CONSTRUCTION MEETING MINUTES

UNIVERSITY OF MINNESOTA - DULUTH  
James I. Swenson Science Lab

**U of M PROJECT NUMBER** 581-65-1221  
**BUILDING PERMIT** 111068  
**ARCHITECT PROJECT NO.** 01023  
**DATE:** **April 6, 2004**  
**PROJECT:** James I. Swenson Science Lab  
**LOCATION:** University of Minnesota – Duluth  
Duluth, MN 55812  
**OWNER:** University of Minnesota  
**CONTRACTOR:** M.A. Mortenson  
**SCOPE:** \$ 25,451,000  
**START DATE:** April 1, 2003  
**COMPLETION DATE:** **December 31, 2004**

**PRESENT:**

Greg Ewald	-UMD
Bruce Gingerich	-Uof M Building Codes
Tim Manz	-UMD Building Codes
Brian Morse	-STANIUS JOHNSON architects
Bart Kowalski	-AEI
Dan Pennington	-M.A.Mortenson
Bret Woodland	-M.A.Mortenson
Bob Braun	-M.A.Mortenson

### OBSERVATIONS AND DISCUSSIONS:

A construction meeting was held at 1:30 p.m. on Tuesday, April 6, 2004. There was a review of the previous construction meeting minutes dated March 30, 2004.

The following items were discussed and observations made:

#### SJA Architects

Architecture Interior Design Planning  
staniusjohnson.com

##### Principals

Kenneth D. Johnson, AIA  
Rickard A. Stanius, AIA  
Ronald E. Stanius, AIA

##### Partners

Brian D. Morse, AIA  
Steven B.P. Kalkman, AIA

##### Associates

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## ACTION

- MAM** 1. Relative to item no. 1 of the previous meeting minutes, questioned by the Architect the Contractor reported that they are on schedule.
- MAM** 2. Relative to item no. 2 of the previous meeting minutes, Contractor needs to update AEI's Field Report No. 9, as well as Architects Field Report No. 2, when items have been addressed by the Contractor.
3. Regarding proposal requests, the contractor is reminded that all proposal requests require backup by the subcontractor/supplier indicating labor, materials, and quantities. This is required for the architect's review of the proposal request prior to approvals.
- MAM** Outstanding PR's are #'s 46.2, 61.1, 72, 73, 74.1, 75, 76, 78, 79, 80, 80.1, 81, 81.1, 82 and 83. **Contractor is to respond to these proposal requests as soon as possible.**
4. Disruption avoidance issues:
- Greg Ewald** ■ Contractor anticipates starting on the steam line the first week of June. The Contractor is questioning the time issue, whether the steam line will be down for the summer or if there are time constraints? Greg Ewald will advise.
- MAM** ■ With respect to the skyway tie in to the existing building, Greg Ewald indicated that the penetration to the exiting building should take place after 5/17/04.
5. Progress to date:
- For detail dates of work items in progress, or anticipated, see attached short term schedule. This schedule is contingent on weather conditions.
- MAM** ■ **Area A.** Ductwork is proceeding in room build out, ground floor, through next week. Duct and pipe insulation on all floors is continuing. Front end rough in at ground floor utilities is scheduled through next week. Installation of second floor sheetrock is proceeding through next week. Stocking and sheetrock work on the first floor is scheduled to start mid April. Installation of the penthouse lapped siding has begun and is scheduled through next week. Pulling of electrical wire on the first floor continues through the end of next week. Pulling of wire on the ground floor has begun and is scheduled through this week. Installation of stand pipes in Stair No. 4 is scheduled through this week. Brick work, Line L and 15, continues through next week. Stone sills and washing of the brick is scheduled to be complete this week. Glazing on the north curtain wall is scheduled to start mid April.
- MAM** ■ **Area B.** Heating and cooling line installation on the ground floor continues. Installation of second floor heat will be substantially complete this week. Installation of ductwork in penthouse 300 continues. Rough in of the second floor bathrooms is scheduled for this week. Room build out ventilation on the first and second floors has begun. Rough-in of utilities on the first floor is proceeding. Drywall installation at the mechanical shafts on the second floor is scheduled for this week. Electrical conduit and pulling of wire on the first floor is ongoing. Installation of metal panels, 1 to 9 Line, has begun.
- MAM** ■ **Area C.** Glazing the curtain wall at the skylight is scheduled for late April. Glazing, second floor, A-Line 9 – 11, will start Friday and continue through next week. Glazing of the first floor C Line will be complete by the end of this week. Electrical conduit on the second floor has begun and is scheduled through next week. Installation of heating on the ground floor will start April 12. Work on the second floor heating lines will be complete by the end of this week.

- MAM**                   ▪ **Area D.** Wiring of the generator should be complete this week. Installation of the remainder of the louvers is scheduled to be complete by the end of this week.
- MAM**                   6. Relative to item no. 6 concerning PCO No. 121 regarding the thickness of the wood paneling, the Contractor was instructed to move forward immediately with a mock-up of the specified ¼” wood paneling.
- Also as indicated in last weeks meeting minutes, the blocking that is scheduled by Addenda for all of the paneling areas shall be put in at this time.
- Architect has been in contact with RBJ who has indicated that they will have representation onsite on April 27, and if possible would like to review a mock-up of the wood panel at that time.
- MAM**                   7. Relative to item no. 8 of the previous meeting minutes with respect to corrective work anticipated for Stair No. 1 stringer, they are to notify Design Team for their inspection of the contemplated procedure.
- Also, RBJ would like the vertical leg on the “two ears” at the bottom of the stair removed, these are non-structural and can be eliminated. The horizontal plate is necessary.
- MAM**                   8. Relative to item no. 10 of the previous meeting minutes, Dan indicated that he will be putting forward an RFI for consideration by the University for either a pigmented sealer for the Stairs, or possibly a two-part epoxy floor finish.
- SJA, MAM**           9. Relative to item no. 11 of the previous meeting minutes regarding the toilet accessories, Greg Ewald has returned to the Architect some requested changes to toilet accessories. The Architect will issue a proposal request for these changes. The Contractor has noted that the soap dispensers will need to be mounted along side the mirror and as such will not be over the sink. This item will be reviewed.
- MAM**                   10. Relative to item no. 12 of the previous meeting minutes regarding the cut sheets on the support for the control wire cabling, AEI has reviewed the submittal and it was reviewed with Greg Ewald at this meeting. Greg indicated the support brackets are acceptable to the Owner if the wire cabling manufacturer has a recommendation for proper spacing of the cable supports.
- UMD**                   11. Relative to item no. 14 of the previous meeting minutes with respect to the updated equipment schedule, the Owner is still working on updating this schedule. Copy sent to Contractor and Design Team are simply reference copies and no action is required at the present time.
- MAM**                   12. Relative to item no. 15 of the previous meeting minutes with respect to the acoustical tile ceiling system, the Contractor has replaced approximately half of the prototype lab ceiling with the specified Clima-Plus Mars tile. Brian Morse and John Rashid reviewed the installation on April 8<sup>th</sup> and it has been approved. The Contractor is authorized to proceed with the ordering of the specified ceiling suspension system and the Clima-Plus Mars tile.
- Bret noted that the ceiling diffusers will be factory modified to sit within the narrow grid suspension system. There was some discussion regarding the radiant ceiling panels. The radiant ceiling panels, with respect to thermal expansion and contraction. The architect reviewed this item with the Contractor and John Rashid on Thursday, April 8<sup>th</sup>, and it was discovered that there are potential mounting locations on the back of the panel for a wire support. Bart will be reviewing this item onsite at his next visit and give the Contractor direction if appropriate to support the RCP’s with 10-gauge ceiling tie wires.

- MAM** 13. Relative to item no. 16 of the previous meeting minutes regarding the hold down clips for the grating on the walkways at the roof, Architect indicated that the standard clips provided by the manufacturer will be acceptable.
- SJA** 14. Relative to item no. 17 of the previous meeting minutes regarding the Stair No. 4 tie-in, Architect has reviewed this item onsite with the Contractor and has worked out a detail with the structural engineer. The Architect will be issuing a proposal request for this item.
- MAM** 15. Relative to item no. 18 of the previous meeting minutes regarding the opening of the roadway, a meeting has been scheduled for 8:00 a.m., Thursday, April 8<sup>th</sup>, to discuss this item. The Owner has stated that the roadway shall be open to vehicular traffic on or before August 15, 2004.
- MAM** 16. Relative to item no. 19 of the previous meeting minutes regarding the gas vent locations relative to the air intake exhaust louvers, Bret will be issuing an RFI on this issue.
- MAM** 17. Relative to item no. 20 of the previous meeting minutes regarding the access panels at the roadway, Architect has issued a proposal request to delete a number of access panels. Greg Ewald asked that the Contractor confirm that there are no junction boxes or other items that will require access panels which would not be serviceable from the scheduled access panels in the proposal request.
- AEI** 18. Relative to item no. 21 of the previous meeting minutes regarding the relief air for the heater blowing into the roadway soffit, the mechanical engineer has noted that the heater is scheduled at a 500 CSM supply rate which will not require any specific relief venting. It is believed that the leakage around the ceiling panels and the access panels will be sufficient. Greg Ewald noted that there will be stagnant chilled water within the lines of that soffit and the engineer shall consider this as the heat requirements for that soffit are contemplated.
- MAM** 19. Relative to item no. 22 of the previous meeting minutes, Greg Ewald brought up a point that they will need a 40-day notice for notifying MPCA prior to starting or testing the generator.
- MAM** 20. Relative to item no. 23 of the previous meeting minutes, Greg indicated that the Contractor must be sure that the roof is properly flashed down and sandwiched in between the roof drain bowl and the upper clamping ring. Relying on flood coat is not acceptable.
- Greg Ewald,  
Bob Braun** 21. Greg Ewald indicated that he has a number of samples of typical acids which will be used within the labs. He would like to arrange with the Contractor for a time to test the retroplate floor finish with respect to these chemicals. This item will be coordinated between Greg Ewald and Bob Braun.
22. The Contractor raised an issue regarding a possible color shift within the spec mix being used for the brick work. The Architect reviewed an area where the new spec mix was utilized and noted that that area was acceptable as installed. However, a subsequent visit to the site revealed that the color shift in the mix continues to be significantly different than the originally installed mortar. Architect rejected the use of this new batch of spec mix. The Contractor is to resolve this issue with the spec mix supplier.
23. Dan Pennington questioned the Architect regarding the room finish schedule which apparently indicates a sealed concrete in Corridor 200. This item will be reviewed. The Architect noted that the desire is that the retroplate system is used throughout the entire Corridor system.

**MAM** 24. Prior to the review of last weeks meeting minutes the Architect, Contractor, Bruce Gingerich and Tim Manz discussed the issue of firestopping at the combustible piping. Tim had indicated that there will be a need for the Contractor to submit a UL approved detail for the rain leaders with insulation as they pass through the second floor. This item will need to be a UL firestop system.

The Contractor was asked to submit a detail for the floor infill at the air shafts and the stair shafts where the current approximate 1" gap is. The Architect indicated that this should be pursued on a time and material basis with the Contractor.

**MAM, SJA** 25. There was considerable discussion about the combustible piping as it passes through the second floor. It was noted that the majority of the UL assemblies allow for a maximum 1/2" angular space. The Contractor will be infilling those spaces with non-shrink grout to reduce the angular spacing to a nominal 0" space and the UL FA 20/25 system will be utilized as installation from below. The Architect will be revising the PR on this item to include the system as previously identified in addition to the other conditions that the Contractor will need to address.

Architect approved the Contractor proceeding on a time and material basis in the Research Wing only. This item will be re-assessed as the work progresses.

26. Greg Ewald requested that the Architect look into the chemical resistance of the specified finish on the wood casework.

**All Contractors** 27. Discussion was held regarding the Retro-Plate concrete floor finishing system. **All contractors are advised that the concrete slabs on grade, concrete slabs on metal deck, as well as the concrete stair treads and landings, is the final floor finish for this project!** Therefore no damage to the floor finish will be tolerated. This includes no cutting oil, no tobacco products or spitting of tobacco products, no dragging or dropping of materials, equipment, etc., etc. **Damage to these slabs will be permanent and cannot be removed, therefore all contractors are to treat these slabs as if they were finished terrazzo floors!!!**

**All Contractors** 28. The next construction meeting will be held **Tuesday, April 13th, 2004 at 1:30 p.m., in the Construction Trailer.**

The preceding is assumed to be a complete and correct account of the items discussed, directions given, and conclusions drawn, unless this office is notified to the contrary immediately.



Brian Morse, AIA

bsa

cc: John Rashid, UMD  
Jim Riehl, UMD  
Stephanie Goke, AEI  
Michael Ross, RBJ  
Tiffany Nash, RBJ  
Dan Murphy, MBJ  
Bob Leonard, MAM  
Rick Stanius  
File

Bruce Gingerich, UofM – (mail)  
Scott Holm, UofM – (mail)  
Ken Kornberg, KKA  
Tom Oslund, O&A  
Chris Rousseau, MSA  
Paul Johnson, MBJ  
Eric Edlund, GME  
Brian Morse  
Sebesta Blomberg