



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 27, 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: John Rashid -UMD
Greg Ewald -UMD
Rick Stanius -STANIUS JOHNSON architects
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 27, 2004. There was a review of the previous construction meeting minutes dated April 20, 2004.

The following items were discussed and observations made:

SJA Architects

Architecture Interior Design Planning
stanusjohnson.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. 10 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 61.2, 72, 81.1, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91 and 92.
Contractor is to respond to these proposal requests as soon as possible.
4. Disruption avoidance issues:
- MAM** ■ Contractor anticipates starting on the steam line the first week of June. Greg Ewald indicated that there are no time constraints because the line will be down, but he is asking the Contractor for a construction time window from start to finish for this work.
- Greg Ewald will be requiring GME to perform x-ray photography of the steam lines. Bart is to instruct the Contractor through Bret on the locations of the welds for GME.
- Also, concerning the high pressure testing, the Contractor had proposed a pneumatic testing which will not be allowed. Hydro-testing is specified and that is the only test procedure that will be allowed on this project. High pressure steam needs to be coordinated and inspected by the State Steam Inspector.**
- 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 6/07/04.
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.** Ventilation room build outs, ground floor, continues through the next three weeks. Installation of penthouse heating continues through the end of next week. Heating of the first and second floors is proceeding. Taping and sanding of the sheetrock walls, second floor, is continuing through mid next week. Priming and painting of the second floor will start mid next week. Drywall installation, on the first floor, is continuing through the end of this week. Taping and sanding of the first floor will start mid next week. Wall framing at the feature wall will start next week and be complete by the end of the week. Work on elevator no. 2 will start Monday of next week. Installation of north curtain wall will begin Monday of next week. Terminal data and com wiring on the second floor continues through the end of next week.
- MAM** ■ **Area B.** Installation of penthouse hangers and piping continues through mid next week. Installation of ground floor steam will start the second week of May. Ventilation room build outs, first and second floor, is ongoing. Insulating of duct and plenums in penthouse 300 is ongoing. Installation of the louvers in the penthouse 300 will be complete by the end of this week. Rough-in of utilities on

the first floor continues through tomorrow with testing on Thursday. Rough in of utilities on the second floor will start Thursday of this week. Installation of vent piping at penthouse 300 will be complete by the end of this week. Application of vent perma barrier and insulation on penthouse 300 is ongoing. Installation of lapped siding on penthouse exterior is proceeding. Stocking of drywall for the first floor will start Wednesday of this week through the end of next week. Stocking of drywall on the second floor will begin Thursday of next week through the following week. Installation of cable tray and lighting, first floor, continues through the end of next week. Pulling of electrical wires, second floor, continues through the end of this week. Installation of cable tray and lighting, second floor, begins the end of this week. Installation of metal panels, 1 to 9 Line, is proceeding.

MAM ▪ **Area C.** Glazing, ground floor A line, continues through the first part of next week. Glazing of the curtain wall at the skylight will be done mid this week. Work on the feature wall and stair no. 1 will be substantially complete the end of this week. Electrical rough in conduits, all floors, is proceeding. Heating, ground floor steam, is continuing through the end of next week. Underground to cooling tower will start the second week of May. Installation of exterior slate, contingent on delivery, will start mid week.

MAM ▪ **Area D.** Rough in conduit, first and second floors, will start next week.

MAM 6. Relative to item no. 6 of the previous meeting minutes, Architect instructed the Contractor to communicate with their Subs that all exterior louver fins shall be in alignment. If they are not, the louvers are to be removed and replaced. Bret stated that the manufacturer will be onsite tomorrow.

MAM 7. Relative to item no. 7 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.

Contractor stated that they can not hit the April 27th requested date for the mock-up. The panels are at least 3-weeks out for delivery.

MAM 8. Relative to item no. 8 of the previous meeting minutes, Architect instructed the Contractor now that Stair No. 1 has received its initial coat of paint the Contractor is to come back and re-work all of the blemishes in the steel so that it is absolutely smooth.

MAM 9. Relative to item no. 9 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.

Greg Ewald 10. Relative to item no. 10 of the previous meeting minutes regarding the toilet accessory revisions, Greg is to spot location of these accessories.

MAM 11. Relative to item no. 11 of the previous meeting minutes concerning the cut sheets on the support for the control wire cabling, AEI has reviewed and requested resubmittal.

MAM 12. Relative to item no. 13 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.

- MAM** 13. Relative to item no. 14 of the previous meeting minutes, discussion was held concerning the Owners requirement to open the roadway to vehicular traffic on or before August 15, 2004. The Contractor has reviewed this issue at a meeting between Architect and Owner. They were instructed to submit their proposal as originally presented, as well as a modified proposal as directed by the Architect.
- MAM** 14. Relative to item no. 15 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. Bret is to contact undersigned when the Mechanical University Inspector is onsite to review proposed resolution.
- Greg Ewald, Bob Braun** 15. Relative to item no. 17 of the previous meeting minutes, 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 retro plate floor finish with respect to these chemicals. This item will be coordinated between Greg Ewald and Bob Braun.
- Mr. Rashid proposed the use of acid mats if by chance there is an incompatibility between the acids and the retro plate.
- MAM** 16. Relative to item no. 18 of the previous meeting minutes with regards to Greg Ewalds request for chemical resistance of the specified finish on the wood casework, Architect will request this information from the casework supplier. It is noted that the casework is specifically designed and intended for this use. Hopefully the submittal will clarify any concerns and questions that the Owner has.
- MAM** 17. Relative to item no. 20 of the previous meeting minutes, the Contractor stated that they are expecting slate delivery either today or tomorrow.
18. Relative to item no. 21 of the previous meeting minutes, Greg stated that early furniture delivery is scheduled for the first part of January. This will need to be coordinated so that the punch list is complete before the furniture vendor starts the actual delivery of the furniture into the building.
- MAM** 19. John Rashid requested that the Contractor sort changes by major Subcontractors. This would include mechanical, electrical, site work, Mortenson, etc.
20. There was a question with regard to card readers. The Contractor needs to know power requirements. The card readers have been roughed in and the card reader itself it furnished and installed by the University.
- Greg Ewald** 21. The Contractor requested timely ordering of the second cooling tower. They don't want it to arrive too late so that it impacts the Contractors exterior site work schedule. Mid August delivery would work well.
- All Contractors** 22. 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** 23. The next construction meeting will be held **Tuesday, May 4th, 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.



Rickard A. Stanius, AIA, CSI
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

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UMD Science Building Project #031007
3 Week Schedule

MORTENSON[®]		April					May					May										
		M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S
Contractor Responsible	ACTIVITY	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Area A																					
Jamar-Tinners	Room buildouts gr. Flr.	x	x	x	x	x			x	x	x	x	x			x	x	x	x	x		
Jamar-Fitters	Install Pent.heating - copper	x	x	x	x	x			x	x	x	x	x									
Jamar - Fitters	1st&2nd flr.heating - copper	x	x	x	x	x			x	x	x	x	x			x	x	x	x	x		
Minute-Ogle	Tape-sand walls 2nd flr.	x	x	x	x	x			x	x												
Rainbow Inc.	Prime&paint walls 2nd flr.										x	x	x			x	x	x	x	x		
Minute-Ogle	Drywall 1st flr.	x	x	x	x	x																
Minute-Ogle	Tape-sand walls 1st flr.										x	x	x			x	x	x	x	x		
Minute-Ogle	Frames walls @ feature wall								x	x	x	x	x									
Otis Elevator	Set rails elev. # 2			x					x	x	x	x	x			x	x	x	x	x		
HKL/Glassman	Install north curtainwall								x	x	x	x	x			x	x	x	x	x		
API	Terminal data&cont. wire 2nd flr.	x	x	x	x	x			x	x	x	x	x									
	Area B																					
Jamar - Fitters	Install pent. Hangars-load pipe	x	x	x	x	x			x	x												
Jamar - Fitters	Install gr. Flr. Steam															x	x	x	x	x		
Jamar - Tinners	Rm buildouts 1st, & 2nd flr.	x	x	x	x	x			x	x	x	x	x			x	x	x	x	x		
Jamar - Tinners	Install duct,& plenums in #300	x	x	x	x	x			x	x	x	x	x			x	x	x	x	x		
Jamar - Tinners	Install louvers-pent. #300	x	x	x	x	x																
AGO	Rough-in utility, 1st flr.	x	x	x	t																	
AGO	Rough-in utility, 2nd flr.				x	x			x	x	x	x	x			x	x					
AGO	Install vent piping @ Pent.#300	x	x	x	x	x																
Minute-Ogle	Perma-barrier & ins pent #300	x	x	x	x	x			x	x	x	x	x			x	x	x	x	x		
Minute-Ogle	Install lap siding-pent ext.	x	x	x	x	x			x	x	x	x	x			x	x	x	x	x		
Minute-Ogle	Stock & drywall 1st flr.			s	x	x			x	x	x	x	x									
Minute-Ogle	Stock & drywall 2nd flr.											s	x			x	x	x	x	x		
API	Cable tray & lighting 1st flr.	x	x	x	x	x			x	x	x	x	x									
API	Pull wire 2nd flr.	x	x	x	x	x																
API	Cable tray & lighting 2nd flr.					x			x	x	x	x	x			x	x	x	x	x		
HKL/Glassman	Install metal panels 1 to 9-line	x	x	x	x	x			x	x	x	x	x			x	x	x	x	x		
	Area C																					
HKL/Glassman	Glaze ground flr.- A-line				x	x			x													
HKL/Glassman	Glaze curtainwall at skylight	x	x	x																		
N. Erectors	Inst feature wall & stair # 1	x	x	x	x	x																
API	Rough-in conduit, all flrs.	x	x	x	x	x			x	x	x	x	x			x	x	x	x	x		
Jamar- Fitters	Heating gr. Flr. - steam	x	x	x	x	x			x	x	x	x	x									
Jamar- Fitters	Underground to cooling tower															x	x	x	x	x		
Harbor City	Install ext. stone			x	x	x			x	x	x	x	x			x	x	x	x	x		
	Area D																					
API	Rough-in conduit 1st, & 2nd flr.								x	x	x	x	x			x	x	x	x	x		

**UMD Science Building Project #031007
3 Week Schedule**

MORTENSON[®]		April							May							May						
		M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S
Contractor Responsible	ACTIVITY	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Area A																					