



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 20, 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
Rick Stanius -STANIUS JOHNSON architects
Bart Kowalski -AEI
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 20, 2004. There was a review of the previous construction meeting minutes dated April 13, 2004.

The following items were discussed and observations made:

SJA Architects

Architecture Interior Design Planning
stanijohnson.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, and 89. **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 5/17/04.
5. Progress to date:
- MAM**
 - 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.** Room build outs on the ground floor, ventilation, is continuing. Installation of fume hood ductwork on the second floor is continuing. Duct and pipe insulation, on all floors, is proceeding. Installation of ground floor condensate lines continues through this week. First and second floor heating copper lines is proceeding. Taping and sanding walls on the second floor is continuing. Installation of drywall on the first floor has started. Installation of lapped siding on the penthouse exterior is proceeding through the end of this week. Setting of sills and washing of brick continues through the end of this week. Elevator installation is scheduled to start his week. Installation of north curtain wall is scheduled to begin the latter part of next week.
- MAM**
 - **Area B.** Installation of ground floor cooling is continuing through the end of this week. Installation of penthouse hangers and loading of pipe is scheduled to start next Monday and will continue through the following week. Room build-outs, first and second floor ventilation, are proceeding. Installation of duct and plenums in penthouse 300 is ongoing. Installation of penthouse 300 louvers is scheduled to start mid week and continue through the end of next week. Rough-in of utilities on

the first floor continues through the end of this week. Rough in of acid waste, second floor, is continuing. Installation of perma-barrier and insulation on penthouse 300 is ongoing for the next three weeks. Installation of lapped siding on the exterior of the penthouse is scheduled to start next Monday. Stocking of drywall and beginning of drywall installation is scheduled to start the latter part of next week. Electrical rough in conduit in penthouse 350 continues through the end of next week. Installation of metal panels, 1 to 9 Line, is proceeding.

MAM ▪ **Area C.** Glazing, ground floor A line, will be complete by the end of this week. Glazing of the curtain wall at the skylight will continue through the end of next week. Installation of steel for feature wall in stair #1 continues through the end of this week. Electrical rough in of conduit on all floors will start next week. Heating, ground floor steam, is proceeding. Installation of slate, contingent on delivery, is scheduled to start this week.

MAM ▪ **Area D.** Electrical self testing of equipment is proceeding through the end of this week. Installation of the remainder of the louvers is scheduled for the end of next week. Installation of glass at the skyway continues through the end of this week.

MAM 6. 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.

MAM 7. 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.

Contractor stated that they can not hit the April 27th requested date for the mock-up. The panels are at least 4-weeks out for delivery.

MAM 8. Relative to item no. 7 of the previous meeting minutes, Contractor has started the corrective work on Stair No. 1 stringer to straighten the stringer out.

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 9. Relative to item no. 8 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. Concerning item no. 9 of the previous meeting minutes regarding the toilet accessory revisions, Greg is to spot location of these accessories.

MAM 11. Relative to item no. 10 of the previous meeting minutes concerning the cut sheets on the support for the control wire cabling, AEI has reviewed and requested resubmittal.

UMD 12. Relative to item no. 11 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 13. Relative to item no. 12 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** 14. Relative to item no. 13 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.
- AEI** 15. Relative to item no. 14 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** 16. Relative to item no. 15 of the previous meeting minutes concerning access panels at the roadway, Bret indicated that both the mechanical and electrical stated that there are no maintenance items, junction boxes, etc., that would need access. Therefore, the proposal request, as issued, does not need modification and Contractor is to respond.
- Greg Ewald, Bob Braun** 17. Relative to item no. 16 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 retroplate floor finish with respect to these chemicals. This item will be coordinated between Greg Ewald and Bob Braun.
- MAM** 18. Relative to item no. 19 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** 19. Mr. Rashid requested from the Contractor, through the Architect, on Change Order No. 9 additional backup from the sub-contractor/suppliers for items nos. 10, 11, 12 and 13.
- MAM** 20. The Contractor stated that they are expecting slate delivery either today or tomorrow.
21. 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** 22. The Contractor had a question concerning through-wall flashing. Architect stated that it is to be trimmed off flush.
- All Contractors** 23. 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** 24. The next construction meeting will be held **Tuesday, April 27th, 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							April					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	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9
	Area A																					
Jamar-Tinners	Room buildouts gr. Flr.	x	x	x	x	x			x	x	x	x	x			x	x	x	x	x		
Jamar - Tinners	Install fume hood duct-2nd flr.	x	x	x	x	x			x	x	x	x	x			x	x	x	x	x		
Neuman Insulation	Insulate duct & pipe - all flrs.	x	x	x	x	x			x	x	x	x	x			x	x	x	x	x		
Jamar-Fitters	Install gr. Flr.-Condensate lines	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	x	x	x			x	x	x	x	x		
Minute-Ogle	Drywall 1st flr.	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																
Harbor City	Set sills & wash brick	x	x	x	x	x																
Otis Elevator			x	x	x	x			x	x	x	x	x			x	x	x	x	x		
HKL/Glassman	Glaze 2nd flr. Room entrances								x	x	x	x	x									
HKL/Glassman	Install north curtainwall											x	x			x	x	x	x	x		
	Area B																					
Jamar - Fitters	Install gr. Flr.cooling	x	x	x	x	x																
Jamar - Fitters	Install pent. Hangars-load pipe								x	x	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	x	x	x									
AGO	Rough-in utility, 1st flr.	x	x	x	x	x																
AGO	Rough-in acid waste, 2nd flr.	x	x	x	x	x			x	x	x	x	x			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		
Minute-Ogle	Stock & drywall 1st flr.										S	x	x			x	x	x	x	x		
API	Rough-in conduit -Pent. #350	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	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		
Jamar- Fitters	Heating gr. Flr. - steam	x	x	x	x	x			x	x	x	x	x			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	Test equipment	x	x	x	x	x																
Jamar-Tinners	Install louvers											x	x									
HKL/Glassman	Install glass at skyway	x	x	x	x	x																