



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: **September 16, 2003**

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
Rick Stanius	-STANIUS JOHNSON architects
Bob Braun	-M.A. Mortenson
Mike Pierson	-M.A. Mortenson
Bret Woodland	-M.A. Mortenson
Dan Pennington	-M.A. Mortenson

OBSERVATIONS AND DISCUSSIONS:

A construction meeting was held at 1:30 p.m. on Tuesday, September 16, 2003. There was a review of the previous construction meeting minutes dated September 9, 2003.

The following items were discussed and observations made:

Stanisus Johnson Architects

www.staniusjohnson.com

■ Duluth: 1831 East 8th St. Duluth, Minnesota 55812-1396 Phone 218-724-8578 Fax 218-724-8717
□ St. Cloud: 2035 15th St. N. St. Cloud, Minnesota 56303 Phone 320-253-2100 Fax 320-253-2269

Principals Kenneth D. Johnson AIA Rickard A. Stanius AIA Ronald E. Stanius AIA
Partners Brian D. Morse AIA Steven B. P. Kalkman AIA
Associates Larry M. Turbes AIA Jeffrey E. La Tour AIA Deanna Schmidt CID

ACTION

MAM 1. Relative to item no. 1 of the previous meeting minutes, questioned by the architect Mortenson stated that the project, as of this date, is very close to being on schedule.

SJA 2. Attached to these meeting minutes are the contractor's short term schedule, RFI log, and current Submittal log. Architect stated that he will email to the contractor his roster so that they can coordinate with their logs.

On the Submittal Log, the asterisked items in the left hand column are priority items for 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 architects review of the proposal request prior to approvals.

MAM Outstanding PR's are #'s 10, 12, 14, 20, 30, 31, 32, 33.1, 34, 35, 36, 37, and 38.
Contractor is to respond to these proposal requests as soon as possible.

4. Disruption avoidance issues:

MAM ▪ Contractor expects to start working on the 12" waterline mid-September.

Greg Ewald 5. Relative to item no. 5 of the previous meeting minutes, Facilities Management is still tracking down the grounding line that is attached to the abandoned 6" waterline. These twin grounding cables are clamped to the 6" line, cross the existing tunnel, and penetrate the tunnel wall. Greg Ewald is to follow-up on this issue.

6. Progress to date:

▪ For detail dates of work items in progress, or anticipated, see attached short term schedule.

MAM ▪ Area A, exterior steel stud framing and sheathing is proceeding. Concrete unit masonry for interior shafts and exterior roof parapet is proceeding. Installation of lentils is ongoing and should be substantially complete by the middle of this week. Installation of Stair No. 3 should begin mid-week and go through mid-next week. Setting of air handling units one and two fans is proceeding. Installation of ductwork is continuing.

MAM ▪ Area B, detailing of structural steel and decking are nearing substantial completion. Contractor is welding the roof pour stop and should be complete by the middle of the week. Rebar and mesh for roof slab will start mid-week and be complete by the end of the week. Installation of roof drains will be proceeding mid-week. Placement of slab-on metal deck scheduled for this Friday.

MAM ▪ Area C, setting of structural steel will remain in progress until the end of next week. Detailing of the structural steel will begin mid-next week and progress to the following week. Decking is scheduled to start the latter part of next week. Slab on grade pour is scheduled for Tuesday of next week.

MAM ▪ Area D, excavation footings and duct bank will proceed through the end of this week. Installation of box culvert is ongoing and should be substantially complete by the latter part of this week. Pouring of footings and walls is progressing with two footing pours scheduled on Wednesday and Friday of this week, and the wall scheduled for Friday of this week and Tuesday and Thursday of next week. Backfilling should start this week and proceed through the end of next week or the first part of the following week. Setting of structural steel is scheduled for the last week of September with structural steel detailing to follow.

MAM ▪ Cooling Tower, setting is scheduled for Monday of next week through mid-week.

- MAM** 7. Relative to item no 7 of the previous meeting minutes, sod site work restoration as well as top soil is substantially complete for the areas disturbed to this point. The contractor is to proceed with top dressing and fertilizing as per recommendation from landscape architect. Again, as Mr. Rashid stated at the last construction meeting the University will wait to see how the sod takes hold this fall and how it recovers next spring before this work is accepted. However, architect does not take acceptance to Mortensons letter other than this issue will not close until next spring.
- Contractor indicated that this work should be complete the end of the third week of September.
- MAM** 8. Relative to item no. 8 of the previous meeting, Mike stated that the landscaper will be onsite for the site work restoration extra authorized by the owner. It is scheduled for this Monday.
- Again, contractor pointed out that they will do the fertilizing and initial watering but future watering care and maintenance is by owner.
- GME, MAM** 9. Relative to item no. 9 of the previous meeting minutes, architect stated that he has contacted GME and instructed GME to document all cases where over excavation for footings are required to achieve the designed soil bearing pressure. This report needs to be location specific and give quantities of additional excavation out, additional backfill in, and additional cubic yards for concrete mud slab, and additional cubic yards of concrete footings. These will be reviewed and concurrence needs to be reached between GME and Mortenson. This item should come to closure after the contractor is complete with the footings for Area D which should be completed the second week of September.
- MBJ** 10. Relative to item no. 10 of the previous meeting minutes, contractor stated that GME has been onsite to reinspect the column base plates, Area C. Paul Johnson, from Meyer Borgman & Johnson, needs to also inspect these areas.
- MBJ** 11. Relative to item no. 11 of the previous meeting minutes, Dan indicated that the loads for the helical stair have been forwarded to architects office so that MBJ can confirm and revise, or modify if necessary, the footing design. MBJ to address this issue as soon as possible.
12. Relative to item no. 12 of the previous meeting minutes concerning submittals, architect is still awaiting the following from the contractor.
- Coordination drawings. Ground floor and first floor, all areas, as well as sprinkler of all floors, coordination drawings have been completed and are being reviewed by Mortenson. Sets need to be distributed to owner and Design Team for review only, they will not be resubmitted approved since these are coordination contractor use drawings. They will be distributed to all trades by Mortenson. Still needed is the remaining floor levels as soon as possible.
- MAM** 13. Relative to item no. 13 of the previous meeting minutes regarding the design review meeting for the landscape design work, this meeting is rescheduled for September 5, 2003 in Chicago.
- MAM** 14. Relative to item no. 14 of the previous meeting minutes, a meeting was held to discuss the Retro-Plate concrete floor finishing system. **All contractors are advised that the concrete slab on grade as well as the concrete slab on metal deck 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**

- RBJ** 15. Relative to item no. 16 of the previous meeting minutes, contractor reported that the second brick mock-ups have been laid up with the colored mortar. The mock-up has been cleaned and is waiting for curing then it will be sealed in preparation for hopefully next weeks onsite review by the Design Team.
- MAM** 16. Relative to item no. 17 of the previous meeting minutes, architect instructed the contractor to proceed with the revolving door per the original Contract Documents. This issue is closed.
- SJA** 17. Relative to item no. 18 of the previous meeting minutes, discussion was held concerning the use of taconite for exterior wall building product. Questioned by the architect the contractor stated that the mason was planning on doing this work through the winter months. If it is delayed until next spring there will need to be addressed a wage increase impact to the project. Decision must be made, and product onsite, as soon as possible.
- Dan stated that Mortensons position on this issue is they will refuse to install taconite product on this project. Their position is that there is too much of a liability issue for the general contractor to be exposed to. This issue is being addressed in-house between the Administration and Design Team.
- There was an initial review of the schedule for the stone, taconite vs. slate vs. granite. Architect will issue a tentative schedule after conferring with MAM and forward to John Rashid.
- MAM** 18. Also relative to above, architect asked the contractors to see if they can push Cold Springs Granite to deliver the taconite samples as soon as possible to the test lab.
- RBJ, SJA** 19. Relative to item no. 19 of the previous meeting minutes, the cable railing system structural engineer has responded through Mortenson, and Mortenson to architects office, that the end nuel posts need to be either a 4x2 tube or a 3-1/2x3-1/2 square tube. Architects office to review and give direction to Mortenson as soon as possible.
- Code requiring for attention cabling is that a 50# point load anywhere along the cable length will result in a zero deflection of the cable.
- AEI, MAM, Thomson Electric** 20. Concerning item no. 20 of the previous meeting minutes, Greg Ewald forwarded to architect documentation from Jim Strohmeier requesting that the electrical service entrance be on the load vs. the line side. This will be forwarded through architect's office to AEI for their consideration and incorporation into PR/ASI.
- AEI and Thomson Electric are reviewing and clarifying the issues so that a PR/ASI can be initiated without revision.
- SJA** 21. Greg Libby had a question for the Design Team on the height of the exterior outlets on the perimeter walls. Architect will issue a clarification drawing so that the locations are as uniform and consistent as possible.
- SB** 22. Relative to item no. 22 of the previous meeting minutes, architect is still awaiting report from Sebesta Bloomberg documenting their onsite observation to conduct grounding testing.
- Greg Ewald, MAM** 23. Relative to item no. 24 of the previous meeting minutes, there was discussion relative to flashing high pressure condensate into low pressure steam lines. Greg stated that this is being reviewed by Facilities Management and he will advise the Design Team. Dan stated that Jamar is presently pulling the permit for the steam.
- MAM, Greg Ewald** 24. Dan posed a question for Greg Ewald concerning source and location for temporary natural gas.
- MAM** 25. Architect is still awaiting contractors return of the Substantial Completion Inspection of the Tunnel.
26. The contractors working hours will typically be from 7:00 a.m. to 3:30 p.m.

All Contractors 27. The next construction meeting will be held **Tuesday, September 23, 2003 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

attachments

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
Ken Kornberg, KKA
Tom Oslund, O&A
Chris Rousseau, MSA
Paul Johnson, MBJ
Eric Edlund, GME
Brian Morse
Sebesta Blomberg

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CIC Log

Sorted by Status

Date: 9/16/03

Mortenson Job No: 031007

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Issue	Item	Number	Description	Engr	Status	Dated	Required	Approved	Ref Number	Cost
01-004	CIC	00001	Add Sedimentation Basins		CLO	5/21/03	5/28/03			\$0
02-009	CIC	00002	Building Drain Tile Aggregate		CLO	6/5/03	6/5/03		COR 00005	\$0
2 Items									Subtotal:	\$0
02-012	CIC	00003	Failed Bearing Pressure A/1 and A/2		NEW	6/16/03	6/23/03			\$0
02-010	CIC	00004	12" Water Main Offset		NEW	6/16/03	6/18/03		COR 00007	\$0
03-017	CIC	00005	ASI #013 structural revisions		NEW	6/18/03	6/25/03			\$0
3 Items									Subtotal:	\$0
15-011	CIC	00006	PR#022 Additional Sound Attenuators		CLO	6/18/03	6/17/03		PR 00022	\$0
1 Items									Subtotal:	\$0
15-013	CIC	00007	Additional Clean-out Per RFI #108		NEW	7/8/03	7/15/03		RFI 00108	\$0
1 Items									Subtotal:	\$0
15-005	CIC	00008	Change Wall Mount Exhaust Fans		CLO	7/22/03	7/29/03		RFI 00076	\$0
15-059	CIC	00009	Jamar RFI #011 - Duct Size Clarify		CLO	7/23/03			RFI 00127	\$0
15-023	CIC	00010	Jamar RFI #016 - Sink Clarification		CLO	7/23/03			RFI 00133	\$2,275
15-020	CIC	00011	Jamar RFI #015 - Cleanout Clarify		CLO	7/23/03			RFI 00130	\$645
4 Items									Subtotal:	\$2,920
05-092	CIC	00012	TS 2.5"x2.5" Decking Support		NEW	7/23/03	7/18/03		RFI 00162	\$0
05-060	CIC	00013	No Lintel Between C, C.9 on Grid 18		NEW	7/23/03	7/30/03		RFI 00059	\$0
2 Items									Subtotal:	\$0
14-001	CIC	00014	Elev Pit Dimensions Clarification		OUT	8/12/03			RFI 00114	\$0
1 Items									Subtotal:	\$0
15-006	CIC	00015	Jamar RFI 006- Grille Types		NEW	9/5/03	9/12/03			\$0
1 Items									Subtotal:	\$0
15 Total Items									Total:	\$2,920

Brenda Abrahamson

From: Joy [jmichali@d.umn.edu]
Sent: Friday, September 12, 2003 2:08 PM
To: umd.business.announce@d.umn.edu
Subject: Swenson Science Building Update - September 12, 2003

IMPORTANT! This message has been blind-carbon-copied to you.
Do not reply-to-all or forward it without the author's permission.

DATE: September 12, 2003

TO: UMD Campus Community

FROM: Greg Ewald, Project Manager

RE: James I. Swenson Science Building

A power-operated door has been installed at the south end of Marshall W. Alworth Hall to complete the accessible route.

During the week of September 15, contractors will continue erosion and sediment control, excavation, foundation and grade wall work, site utilities, below grade waterproofing, backfilling and drain tile. Structural steel, decking, and concrete slabs will continue in all project areas including the cooling tower and tie-in area at Life Science Building. Work has begun in the Kirby Tunnel and will continue into Fall Semester. Interior mechanical, electrical and wall work has begun and will continue throughout the project duration. Sod restoration along Kirby Drive has begun and will continue through the week. Should you need any additional clarification or have special needs, please call Facilities Management at X8262 or Greg Ewald at X8274.

Thank you again for your patience and understanding during the construction process.

To view the construction site, please follow this URL to the project web cam
<http://labscicam.d.umn.edu/axis-cgi/jpg/image.cgi?resolution=704x480>

Joy M
Facilities Management
Extension 8244
Have an awesome day!

Open Notice Log

Sorted by Engineer

Date: 9/16/03

Mortenson Job No: 031007

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Issue	Item	Number	Description	Engr	Status	Dated	Required	Approved	Ref Number	Cost
15-014	PR	00027.1	PR #27.1 Add. of a 2nd Chiller Unit	BW	NEW	9/4/03	9/11/03			\$0
15-049	PR	00031	PR #031 - Elev. Equipt. Rm Mech Rev	BW	NEW	7/25/03	8/1/03			\$0
16-014	PR	00033.1	PR #033.1- Site Lighting Revisions	BW	NEW	8/27/03	9/3/03		PR 00033	\$0
15-063	PR	00034	PR #034- Floor Drain Piping Confirrr	BW	NEW	8/26/03	9/2/03			\$0
15-074	PR	00035	PR #035- Revisions to PR 28 (Rej)	BW	NEW	9/9/03	9/16/03			\$0
5 Items									Subtotal:	\$0
10-007	PR	00032	PR32 Increase Penthouse Louver Size	JB	NEW	7/21/03	7/28/03		PR 00032	\$0
1 Items									Subtotal:	\$0
02-012	CCD	00002	Failed Bearing Pressure A/1 and A/2	MP	NEW	6/30/03			CIC 00003	\$0
05-016	PR	00006.1	PR#006.1 Metal Grating Area Wells	MP	NEW	7/15/03	7/29/03		PR 00006	\$0
03-008	PR	00010.1	PR#010.1 Add Doors to Chill Room 31	MP	NEW	9/11/03	9/18/03			\$0
03-007	PR	00012	PR#012 Brick Ledge, Grade, C Basin	MP	NEW	5/6/03	5/26/03			\$0
03-012	PR	00014	PR#014 Concrete Floor Finish	MP	NEW	5/19/03	5/27/03			\$0
02-006	PR	00027.1	PR #27.1 Add. of a 2nd Chiller Unit	MP	NEW	9/4/03	9/11/03			\$0
03-029	PR	00036	PR #036- Revolving Door Slab Change	MP	NEW	9/9/03	9/16/03			\$0
7 Items									Subtotal:	\$0
13 Total Items									Total:	\$0

PCO Status Log

Date: 9/16/03

Mortenson Job No: 031007

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Type	Number	Title	Issue	Engr	Status	Opened	Sent	Negotiated	Ref	Number	Cost
Negotiated, Pending Change Order											
PCO	00008	PR#018 Revise Elect. Motor Schedule	16-001	BW	APP	6/25/03	6/25/03	8/11/03	PR	00018	\$1,114
PCO	00011	PR#007 Housekeeping Custodial Rooms	15-007	BW	APP	7/24/03	7/24/03	8/11/03	PR	00007	\$29,892
PCO	00014	PR#011 Steam Traps	15-008	BW	APP	7/22/03	7/23/03	8/11/03	PR	00011	\$12,366
PCO	00015	PR #024.1 Fiberock and Vapor Barrie	07-002	BW	APP	7/30/03	7/30/03	8/11/03	PR	00024.1	\$57,791
PCO	00016	PR #29 Add Sedimentation Basins	01-004	MP	APP	8/5/03	8/5/03	8/11/03	PR	00029	\$3,210
PCO	00018	PR#021 Door Hardware/Doors Revision	08-009	BW	APP	7/30/03	7/30/03	8/11/03	PR	00021	\$5,562
PCO	00022	PR #25 Building Draintile Aggregate	02-009	MP	APP	8/5/03	8/7/03	8/11/03	PR	00025	\$5,767
PCO	00026	Jamar RFI #016 - Sink Clarification	15-023	BW	APP	8/15/03	8/19/03	8/11/03	RFI	00133	\$2,275
PCO	00027	Jamar RFI #015 - Cleanout Clarify	15-020	BW	APP	8/15/03	8/19/03	8/11/03	RFI	00130	\$645
PCO	00029	Jamar RFI #011 - Duct Size Clarify	15-059	BW	APP	8/15/03	8/19/03	8/11/03	RFI	00127	\$814
PCO	00031	Jamar RFI #003 - Verify EF-8, EF-9	15-005	BW	APP	8/26/03	9/11/03	8/11/03			\$1,695
11 Items										Subtotal:	\$121,131
Fully Executed Change Order											
PCO	00002	PR#008 - 12" Waterline Revision	02-004	MP	CLO	5/20/03	5/20/03	6/24/03	PR	00008	\$11,291
PCO	00003	PR#002 Change Alt. Casework to Wood	12-002	MP	CLO	5/29/03	5/29/03	6/24/03	PR	00002	\$12,247
PCO	00004	PR#005 Rev.1 Delete Hold Open Devic	08-003	BW	CLO	5/29/03	5/29/03	6/24/03	PR	00005	(\$8,976)
PCO	00005	PR#013 Lab Vacuum Venting	15-009	BW	CLO	6/5/03	6/5/03	6/24/03	PR	00013	\$1,305
PCO	00006	PR#003 Delete Roof Anchors	11-001	DP	CLO	6/10/03	6/11/03	6/24/03	PR	00003	(\$7,518)
PCO	00007	PR#016 Revised Sanitary Line	02-007	MP	CLO	6/12/03	6/12/03	6/24/03	PR	00016	\$3,820
6 Items										Subtotal:	\$12,169
Unsubmitted											
PCO	00028	Guardrail Detail Stair #3 & #4	05-094	MP	NEW	8/11/03					\$3,490
PCO	00030	Additional Sodding	02-022	MP	NEW	8/26/03	9/2/03				\$20,505
PCO	00032	PR#014 Concrete Floor Finish	03-012	MP	NEW	8/26/03	9/2/03				\$0
3 Items										Subtotal:	\$23,995
Pending Negotiation											
PCO	00012	PR#019 Elect. Resistance Load Bank	16-005	BW	OPN	7/30/03	7/30/03		PR	00019	\$22,310
PCO	00013	ASI #011 elevator waterproofing	07-003	BW	OPN	7/22/03	7/23/03		ASI	00011	\$0
PCO	00017	PR 23.1 Elec. Additions/Revisions	16-006	BW	OPN	7/30/03	7/30/03		PR	00023.1	\$14,403
PCO	00019	PR#27 Addition of a 2nd Chiller Uni	15-014	BW	OPN	7/30/03	7/30/03		PR	00027	\$105,008
PCO	00020	PR#020 Revise Door Types	08-008	BW	OPN	8/5/03	8/5/03		PR	00020	\$17,116

PCO Status Log

Mortenson Job No: 031007

Date: 9/16/03

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Type	Number	Title	Issue	Engr	Status	Opened	Sent	Negotiated	Ref	Number	Cost
Pending Negotiation											
PCO	00021	PR #030 Add Elev Sump/Subsoil Drain	15-017	BW	OPN	8/14/03	8/14/03		PR	00030	\$8,555
PCO	00023	PR#017 Stair Sup. and Bridge Sect.	05-079	MP	OPN	8/19/03	8/19/03		PR	00017	\$11,341
PCO	00025	PR #15.1 revised box culvert 7'x6'	02-006	MP	OPN	8/6/03	8/13/03		PR	00015.1	\$66,259
PCO	00033	Masonry Reinforcement Changes	04-008	MP	OPN	8/28/03	8/28/03				\$2,238
9 Items										Subtotal:	\$247,230
Owner Rejected Changes											
PCO	00001	PR#001 Revise Control Systems	15-001	BW	REJ	3/18/03	3/25/03		EST	R0001	\$0
PCO	00009	PR#022 Additional Sound Attenuators	15-011	BW	REJ	6/25/03	6/25/03	7/1/03	PR	00022	\$81,031
PCO	00010	PR#006 Area Well Grating & Support	05-016	MP	REJ	7/9/03	7/9/03		PR	00006	\$1,968
PCO	00024	PR #028 - Penthouse HVAC Mods.	15-033	BW	REJ	8/5/03	8/5/03		PR	00028	\$74,470
4 Items										Subtotal:	\$157,469
33 Total Items										Total:	\$561,994

Request for Information Log

Date: 9/17/03

Mortenson Job No: 031007

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Issue	To	From	Number	Description	Status	Dated	Responded	Required	Days Held
15-060	ARCH	MORT	00219	HPC into LPS	NEW	8/27/03		9/4/03	21
15-076	ARCH	MORT	00233	Discharge Air Damper Verif.	NEW	9/10/03		9/17/03	7
15-077	ARCH	MORT	00234	Ht Exch Valves V-9 and V-10	NEW	9/10/03		9/17/03	7

Open RFI's: 3

UMD Science Building Project #031007
3 Week Schedule

MORTENSON[®]		September							September							Sept.-Oct.						
		M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S
Contractor Responsible	ACTIVITY	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5
	Area A																					
Minute-Ogle	Frame ext walls	x	x	x	x	x			x	x	x	x	x			x	x	x	x	x		
Minute-Ogle	Sheet walls-18-line	x	x	x	x	x			x	x												
Harbor City	Block walls, & parapet	x	x	x	x	x			x	x	x	x	x									
N. Erectors	Install lintels - 15-line	x	x	x																		
N. Erectors	Install str. #3		x	x	x	x			x													
Jamar	Set AHU # 1&2 fans	x	x	x	x	x																
Jamar	Install AHU ductwork	x	x	x	x	x			x	x	x	x	x			x	x	x	x	x		
	Area B																					
N. Erectors	Weld pour-stop - roof	x	x																			
Sowles	Rebar & mesh - roof			x	x																	
Harbor City	Block walls&Elev. #1			x	x	x			x	x	x	x	x									
AGO	Install roof drains			x	x	x																
Mortenson	Place SOMD				x	p																
	Area C																					
N. Erectors	Set str. Stl.					x			x	x	x	x										
N. Erectors	Detail stl.									x	x	x	x			x						
N. Erectors	Decking											x	x			x	x					
Mortenson	Place SOG								x	p												
	Area D																					
Ulland Bros.	Exc.ftgs. & ductbank	x	x	x	x	x																
Ulland Bros.	Install box culvert	x	x	x																		
Mortenson/ Sowles	FRP ftgs.		x	p	x	p																
Mortenson/ Sowles	FRP walls				x	p			x	p	x	p										
Jamar/ Ulland	Waterproof-Backfill	x	x	x	x	x				x	x	x	x			x						
N. Erect.	Set str. Stl.															x	x	x	x	x		
N. Erect.	Detail str.stl.																		x	x		
N. Erect.	Decking																					
	Cooling tower																					
Jamar	Set cooling tower								x	x	x											

Submittal Log

Date: 9/16/03

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Mortenson Job No.: 031007

Submittal	Rev.	Title	Status	Submittal Date	Current Dates				BIC	Days Held By Architect
					Rcvd.	Sent	Return	Forward		
05120		Structural Steel								
* 05120-SD-017	001	Areas C & D 1st & 2nd Tier Lintels	SUB		8/25/03	8/28/03		ARCH	19	
05400		Cold-Formed Metal Framing								
05400-OM-001	001	Cold-Formed Metal Framing Certs	SUB		9/9/03	9/10/03		ARCH	6	
05500		Metal Fabrications								
* 05500-SD-003	001	Railing, Mics Angles, Roof Grating	SUB		8/19/03	8/28/03		ARCH	19	
05716		Fabricated Helical Stairs								
05716-SA-001	001	Aluminum Abrasive Nosing	SUB		9/3/03	9/4/03		ARCH	12	
05716-PS-002	001	Design Data/Calculations	SUB		9/3/03	9/4/03		ARCH	12	
05716-PS-001	001	Helical Stairs Prim. Load Values	SUB		8/21/03	8/21/03		ARCH	26	
05716-SA-002	001	Steel Grating Sample	SUB		9/3/03	9/4/03		ARCH	12	
06410		Laboratory Custom Wood Casework								
* 06410-MU-001	001	Lab casework mock-up	SUB		8/19/03	8/26/03		ARCH	21	
07461		Fiber Cement Siding								
* 07461-SA-002	002	Fiber Cement Siding Samples- Sealed	SUB		9/5/03	9/5/03		ARCH	11	
08911		Glazed Aluminum Curtain Wall								
08911-SD-002	001	Aluminum Door Shops	SUB		9/2/03	9/4/03		ARCH	12	
* 08911-SD-001	003	Glazed Aluminum Curtain Wall Shops: Glazed Aluminum Certai	SUB		9/3/03	9/4/03		ARCH	12	
09403		Concrete Floor Finish								
09403-PS-001	001	Concrete Floor Finish Specs	SUB		9/8/03	9/9/03		ARCH	7	
09920		Interior Painting								
09920-SA-001	001	Interior/Exterior Painting Samples: Interior Painting Samples	SUB		8/1/03	8/4/03		ARCH	43	
11406		Constant Temperature Rooms								
* 11406-SD-001	001	Constant Temperature Rooms Shops	SUB		8/11/03	8/25/03		ARCH	22	
12344		Epoxy Resin Surfaces, Sinks, Etc.								
* 12344-MU-001	001	Epoxy Surfaces, Sinks, Fix. Mockup	SUB		8/19/03	8/26/03		ARCH	21	
15020		Mechanical Supporting Devices								
15020-SD-003	001	Mechanical Support Devices @ Tunnel	SUB		9/11/03	9/16/03		ARCH	0	
15510		Pipe and Pipe Fittings								
15510-PS-001	001	Heating Hot Water Pipe Specs	SUB		9/10/03	9/11/03		ARCH	5	
15510-PS-002	001	Pipe Specs @ Tunnel	SUB		9/11/03	9/16/03		ARCH	0	
15670		Chemical Treatment Systems								
15670-PS-001	001	Chemical Treatment Systems Specs	SUB		9/10/03	9/11/03		ARCH	5	
15902		Control Valves & Dampers								
15902-PS-001	002	Control Valves & Damper Specs	SUB		9/9/03	9/11/03		ARCH	5	
16450		Grounding System								
16450-PS-001	002	Grounding System Spec	SUB		9/3/03	9/4/03		ARCH	12	
16490		Fuses								
16490-PS-001	002	Fuse Specs	SUB		9/3/03	9/4/03		ARCH	12	
16510		Lighting Fixtures								
16510-SD-001	002	Lighting Fixtures	SUB		9/11/03	9/16/03		ARCH	0	
16594		Lighting Control Devices								
16594-PS-002	001	Lighting Control Specs- Photo Cntrl	SUB		9/5/03	9/16/03		ARCH	0	

Submittal's +21 Days: 5