



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: **August 26, 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
Greg Ewald -UMD
Rick Stanius -STANIUS JOHNSON architects
Dan Pennington - M.A. Mortenson
Bob Braun -M.A. Mortenson
Mike Pierson -M.A. Mortenson
Bret Woodland -M.A. Mortenson

OBSERVATIONS AND DISCUSSIONS:

A construction meeting was held at 1:30 p.m. on Tuesday, August 26, 2003. There was a review of the previous construction meeting minutes dated August 19, 2003.

The following items were discussed and observations made:

Stanius 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 as of August 1st they are back 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. Relative to item no. 3 of the August 5 meeting minutes 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 The contractor stated that he is working on submittal of the last five outstanding Proposal Requests numbers 30 – 34. **Contractor is to respond to these proposal requests as soon as possible.**

4. Disruption avoidance issues:

MAM, AEI

- Work on the 6" waterline connection into the tunnel is substantially complete. The insulator is in completing his work at the present time.

Greg Ewald had a concern with respect to grounding of the line and architect is to follow-up immediately on this issue. Ulland indicated that the 6" line out on the site, its connections were mega-lugged. However, the hard grounding in side the tunnel needs to be addressed immediately.

MAM

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

5. Progress to date:

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

MAM

- Area A, fireproofing of structural steel is scheduled for early part of September. Framing of exterior walls is to begin this week. Concrete block work is proceeding. Slab on metal deck for the third level, the decking is proceeding and pour is scheduled for the first week of September.

MAM

- Area B, setting of structural steel on the upper levels is proceeding with detailing of the structural steel also proceeding. Decking is scheduled for the latter part of this week. Underground plumbing and electrical is proceeding and slab on grade is due to pour the latter part of next week.

MAM

- Area C, setting of structural steel is ongoing as well as detailing. Metal deck is proceeding this week. The setting of the steel bridge is scheduled for the first part of next week and detailing the latter part of next week.

MAM

- Area D, excavation for footings and duct bank is proceeding. Forming and pouring of the footings is scheduled to be complete the latter part of this week with the pour scheduled for next week and the week after.

MAM

- Cooling Tower, the exterior walls have been poured. Structural steel and detailing the middle of next week. Backfill slab on grade the latter part of this week and pouring of the slab on grade the first part of next week.

MAM

- Mechanical and electrical rough-in is proceeding.

MAM

- Sod site work restoration as well as top soil is substantially complete for the areas

disturbed to this point. John Rashid indicated that after top dressing of these areas is complete the University will wait to see how the sod takes hold this fall and how it recovers next spring. To this point, this issue is closed and will be revisited in the spring.

MAM

- John Rashid authorized the contractor to proceed with the additional scope restoration work. Mike indicated that this should take place the second week in September.
- Regarding the re-use of the existing top soil, GME and Mortenson are discussing options for making the material comply with the specifications. This may require the input of the landscape architect. GME has submitted a report on this issue. The extent of restoration has been marked on the site so the contractor can identify quantities. This work is to be done as soon as possible.

Regarding the re-use of existing top soil, Mortenson is having a second import sample tested in anticipation of site mixing with the stock piled soil for future re-use.

Mortenson is also anticipating top-dressing the sod that has been placed to bring that up to acceptance. Both of these top soil issues need to be reviewed by a landscape architect contracted by Mortenson.

GME, MAM

6. Relative to item no. 6 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.
7. Relative to item no. 7 of the previous meeting minutes concerning submittals, architect is still awaiting the following from the contractor.

MAM

- Coordination drawings. Bret Woodland indicated all ground floor, for all areas, 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

- Mock-ups and color samples. Reference architects letter to contractor of July 1, 2003.

8. Relative to item no. 9 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

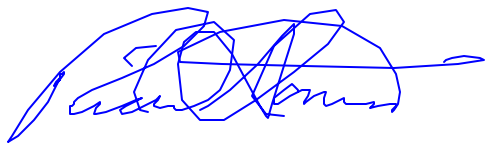
9. Architect requested that a rep from Retro-Plate be at next weeks construction meeting to discuss the finishing of the concrete floor slabs, interim protection of the floor slabs, final polishing of the slabs, etc.

MAM

10. Relative to item no. 10 of the previous meeting minutes regarding Elevator No. 1 shaft size, Brian Morse will contact elevator advisory group to discuss the issue of ADA compliance of the elevator size. Since Minnesota Elevator has indicated that their car will meet ADA, architect strongly recommends that they meet with Jerry Saarenpaa, State Elevator Inspector, at this point to be sure that there aren't any problems in Jerry approving the car as anticipated. This needs to be coordinated through Otis Elevator. Also, architect strongly recommended that the contractor sit down and review the shop drawings with Saarenpaa so that there aren't any unforeseen changes that could be averted before this work starts.

- MAM** 11. Relative to item no. 11 of the previous meeting minutes, Design Team and owner have approved a substitution to go with the Retro-Plate concrete polish approach. This will be issued as an Architectural Supplemental Instruction.
- Concerning the brick mock-up, there is additional mock-ups that are requested by the Design Team to incorporate colored grout. Also, an alternate sealer for the siding is on order and this will be applied as soon as it is received. It is impacting the color selection of the louvers.
12. Relative to item no. 12 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.
- SJA, AEI** 13. Concerning item no. 13 of the previous meeting minutes, Dan Pennington reported today that he was unable to put anything together regarding the lidded box culvert. His source no longer makes a lidded culvert. The Design Team needs to re-visit this issue and consider a side cast in place addition to the culvert to house the chilled water lines.
- MAM** 14. With respect to item no. 14 of the previous meeting minutes regarding the slab pours, because of the slightly increased quantity of concrete in mid-span areas the architect has asked the contractor to have the mechanical and electrical consider ringing the slab penetrations if they need to, to bring them up to the correct finished floor slab elevation.
- MAM** 15. Regarding contractor parking, Mortenson intends to continue having their staff and sub-contractors parking along Kirby Drive all the way out to College Street. Contractor possibly could consider signing this area as Contractor Parking Only to avoid student trying to park in this area.
- MAM** 16. **John Rashid underscored the importance, now that school is about to start, that the contractor exercise extreme care in movement of materials, equipment, etc., in and around the project site. Any unauthorized entry of staff or students Mortenson needs to discourage immediately. Contractor needs to bring this up as an issue at each and every safety meeting that is held for the project so that it is always underscored as a #1 priority for the projects safety.**
- MAM** 17. With regard to the design of the steel stairs, architect is in receipt of transmittal 00451 from Mortenson covering a letter from structural steel consultants. Meyer Borgman & Johnson still does not understand what the structural engineer is trying to say. They do not understand paragraph #2 and they need to clarify what their intent is.
- All Contractors** 18. **The next construction meeting will be held Tuesday, September 2, 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

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CIC Log

Sorted by Status

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

Open Notice Log

Sorted by Engineer

Date: 8/26/03

Mortenson Job No: 031007

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Issue	Item	Number	Description	Engr	Status	Dated	Required	Approved	Ref Number	Cost
15-049	PR	00031	PR #031 - Elev. Equipt. Rm Mech Rev	BW	NEW	7/25/03	8/1/03			\$0
16-014	PR	00033	PR #033- Site Lighting Revisions	BW	NEW	7/28/03	8/4/03			\$0
15-063	PR	00034	PR #034- Floor Drain Piping Confirr	BW	NEW	8/26/03	9/2/03			\$0
3 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	PR#010 Add Doors to Chiller Room 31	MP	NEW	4/30/03	5/26/03			\$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
5 Items									Subtotal:	\$0
9 Total Items									Total:	\$0

PCO Status Log

Date: 8/26/03

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		PR	00018	\$1,114
PCO	00011	PR#007 Housekeeping Custodial Rooms	15-007	BW	APP	7/24/03	7/24/03	7/28/03	PR	00007	\$29,892
PCO	00014	PR#011 Steam Traps	15-008	BW	APP	7/22/03	7/23/03	7/28/03	PR	00011	\$12,366
PCO	00015	PR #024.1 Fiberoak and Vapor Barrie	07-002	BW	APP	7/30/03	7/30/03	8/4/03	PR	00024.1	\$57,791
PCO	00016	PR #29 Add Sedimentation Basins	01-004	MP	APP	8/5/03	8/5/03		PR	00029	\$3,210
PCO	00018	PR#021 Door Hardware/Doors Revision	08-009	BW	APP	7/30/03	7/30/03	8/5/03	PR	00021	\$5,562
PCO	00022	PR #25 Building Draitile Aggregate	02-009	MP	APP	8/5/03	8/7/03		PR	00025	\$5,767
7 Items										Subtotal:	\$115,702
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
1 Items										Subtotal:	\$3,490
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	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	00026	Jamar RFI #016 - Sink Clarification	15-023	BW	OPN	8/15/03	8/19/03		RFI	00133	\$2,275
PCO	00027	Jamar RFI #015 - Cleanout Clarify	15-020	BW	OPN	8/15/03	8/19/03		RFI	00130	\$645
PCO	00029	Jamar RFI #011 - Duct Size Clarify	15-059	BW	OPN	8/15/03	8/19/03		RFI	00127	\$814
11 Items										Subtotal:	\$248,726
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
29 Total Items										Total:	\$537,556

Request for Information Log**Date: 8/26/03****Mortenson Job No: 031007****Page: 1 of 1**

Issue	To	From	Number	Description	Status	Dated	Responded	Required	Days Held
05-106	ARCH	MORT	00199	Field Verify Wing Wall Dimensions	NEW	8/11/03		8/18/03	15
16-015	ARCH	MORT	00203	Photocell Part/Manuf. Clarification	NEW	8/12/03		8/19/03	14
16-016	ARCH	MORT	00209	Pumps/Electric Gear in Room #31	NEW	8/19/03		8/26/03	7
05-120	ARCH	MORT	00212	Kwik Bolts at TS Bridge Support	NEW	8/20/03		8/27/03	6
15-057	ARCH	MORT	00214	Valves serving the laboratory	NEW	8/20/03		8/27/03	6
05-119	ARCH	MORT	00215	Stair #4 Framing at Skybridge	NEW	8/20/03		8/27/03	6
05-126	ARCH	MORT	00216	Base Plate Mod. B/11.4, B/12	NEW	8/26/03		9/2/03	0

Open RFI's: 7

UMD Science Building Project #031007
3 Week Schedule

MORTENSON[®]		August										September					September					
		M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S
Contractor Responsible	ACTIVITY	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Area A																					
Minute-Ogle	Fire-proof str. Stl.								x	x												
Minute-Ogle	Frame ext walls	x	x	x	x	x			x	x	x	x					x	x	x	x		
Harbor City	Block walls	x	x	x	x	x			x	x	x	x					x	x	x	x		
Mortenson	Place SOMD 3rd level				x	x	x			x	p											
	Area B																					
N. Erectors	Set str.stl.- upper levels		x	x	x	x			x													
N. Erectors	Detail str. Stl.					x			x	x	x	x										
N. Erectors	Decking									x	x	x				x	x					
AGO	Underground plumbing	x	x	x	x	x																
API	Underground elect.	x	x	x	x	x																
Mortenson	SOG								x	x	p											
	Area C																					
N. Erectors	Set str. Stl.	x																				
N. Erectors	Detail stl.	x	x	x																		
N. Erectors	Decking		x	x	x	x																
N. Erectors	Set str.Stl.bridge								x	x												
N. Erectors	Detail bridge										x	x				x	x	x				
	Area D																					
Ulland Bros.	Exc.ftgs. & ductbank		x	x	x	x			x	x	x	x				x	x	x	x	x		
Ulland Bros.	Install 6" waterline	x																				
Mortenson/ Sowles	FRP ftgs.				x	x			p	x	x	p				x	p					
Mortenson/ Sowles	FRP walls									x	x	x				p	x	x	p	x		
Jamar/ Ulland	Waterproof-Backfill																			x		
N. Erect.	Set str. Stl.																					
N. Erect.	Detail str.stl.																					
N. Erect.	Decking																					
	Cooling tower																					
Mortenson/Sowles	FRP walls	x	p	x																		
N. Erect.	Set str. Stl.									x	x											
Ulland Bros.	Backfill SOG				x	x																
Mortenson/Sowles	SOG					x			p													

Submittal Log

Date: 8/27/03

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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-015	001	Area "C" & "D" 2nd Tier	SUB		8/14/03	8/14/03			ARCH	13
* 05120-SD-018	001	Skyway Shops/Trusses K and L: Skyway Trusses K and L	SUB		8/21/03	8/22/03			ARCH	5
05311 Deck & Stud Shops										
* 05311-SD-006	001	Area B slab edge- 2st tier	SUB		8/21/03	8/22/03			ARCH	5
05716 Fabricated Helical Stairs										
05716-PS-001	001	Helical Stairs Prelim. Load Values	SUB		8/21/03	8/21/03			ARCH	6
06410 Laboratory Custom Wood Casework										
* 06410-MU-001	001	Lab casework mock-up	SUB		8/19/03	8/26/03			ARCH	1
07215 Cavity Wall Insulation										
07215-PS-003	002	Cavity Wall Insulation Drywl: Cavity Wall Ins. Drywl	SUB		8/19/03	8/27/03			ARCH	0
07215-PS-004	001	Cavity Wall Insulation Instructions: Cavity Wall Install. Instruc	SUB		8/7/03	8/22/03			ARCH	5
07270 Air Barriers										
07270-PS-004	001	Air Barriers Install Instruc. Mason: Air Barriers Install Instruct -	SUB		8/5/03	8/6/03			ARCH	21
07270-PS-003	001	Air Barriers Spec - Mason	SUB		8/5/03	8/6/03			ARCH	21
07620 Sheet Metal Flashing & Trim										
07620-SA-002	001	Sheet Metal Flashing & Trim Samples	SUB		8/5/03	8/6/03			ARCH	21
07620-PS-001	001	Sheet Metal Flashing & Trim Specs	SUB		8/5/03	8/6/03			ARCH	21
08970 4-Sided Structural Glazed Series										
08970-QA-001	001	4-Sided Structural Glazed Calcs	SUB		7/31/03	8/1/03			ARCH	26
08970-SD-001	001	4-Sided Structural Glazed Shops	SUB		7/31/03	8/1/03			ARCH	26
09920 Interior Painting										
09920-SA-001	001	Interior/Exterior Painting Samples: Interior Painting Samples	SUB		8/1/03	8/4/03			ARCH	23
10210 Fixed Metal Wall Louvers										
* 10210-SA-001	001	Fixed Metal Louvers Color Samples: Fixed Metal Wall Louvers	SUB		6/23/03	6/25/03			ARCH	63
11406 Constant Temperature Rooms										
* 11406-SD-001	001	Constant Temperature Rooms Shops	SUB		8/11/03	8/25/03			ARCH	2
12344 Epoxy Resin Surfaces, Sinks, Etc.										
12344-MU-001	001	Epoxy Surfaces, Sinks, Fix. Mockup	SUB		8/19/03	8/26/03			ARCH	1
15700 Packaged Air Handling Units										
15700-SD-001	002	Air Handling Units: Ventrol / McQuay	SUB		8/15/03	8/15/03			ARCH	12
15840 Diffusers, Registers, and Grills										
15840-SD-001	002	Diffusers, Registers, Grills Shops	SUB		8/25/03	8/27/03			ARCH	0
16122 Medium Voltage Cable										
16122-SA-001	001	Medium Voltage Cable Samples	SUB		8/25/03	8/27/03			ARCH	0
16122-SD-001	001	Medium Voltage Cable Shops	SUB		8/25/03	8/27/03			ARCH	0
16250 Automatic Transfer Switch										
16250-SD-001	003	Automatic Transfer Switch Shops: Shop Drawings Resubmitter	SUB		8/15/03	8/15/03			ARCH	12
16420 Secondary Unit Substations										
* 16420-SD-001	002	Secondary Unit Substations	SUB		7/30/03	7/31/03			ARCH	27
16425 Switchboards										
* 16425-SD-001	002	Switchboards	SUB		7/30/03	7/31/03			ARCH	27
16620 Standby Electrical System										
16620-SD-001	003	Standby Electrical System Shops: Shop Drawings Resubmitter	SUB		8/15/03	8/15/03			ARCH	12

Submittal's +21 Days: 10