



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 9, 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:

Greg Ewald	-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 9, 2003. There was a review of the previous construction meeting minutes dated September 2, 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 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, and 36. **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.

5. Relative to item no. 5 of the previous meeting minutes, 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. University is tracking down the routing of the existing twin grounding cables.

6. 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 substantially complete. Exterior steel stud framing is proceeding. Concrete block interior walls and exterior parapet is proceeding. Installation of lentils is ongoing and should be complete by mid-week. Setting of air handling units and installation of ductwork is ongoing.

MAM ▪ Area B, setting of structural steel on the upper levels is substantially complete. Detailing of the structural steel is ongoing, as well as decking. Underground plumbing and electrical is proceeding. Slab on grade is scheduled to pour tomorrow.

MAM ▪ Area C, setting of structural steel is ongoing and detailing will begin the latter part of this week. Decking is scheduled to start the latter part of next week. Bridge detailing is ongoing.

MAM ▪ Area D, excavation for footings and duct bank work is ongoing. Forming of the foundation exterior walls and footings is proceeding and pours are scheduled this week as well as next week. Waterproofing and backfill is scheduled for mid-next week with setting of structural steel scheduled for the third week of September, followed by structural steel detailing and decking.

MAM ▪ Cooling Tower, setting of structural steel should be substantially complete by 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 minutes with respect to increased scope for site restoration work authorized by the owner, Mike stated that this will also be done the end of the third week of September.

Mike did point out that fertilizing and initial watering will be by Mortenson but future watering care and maintenance, from that point forward, is by the University.

- GME, MAM** 9. Relative to item no. 10 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.

- MAM, GME, MBJ** 10. Architect indicated that both GME and Meyer Borgman & Johnson should be contacted by Mortenson to re-inspect the column base plates, Area C.

- MBJ** 11. 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. 11 of the previous meeting minutes concerning submittals, architect is still awaiting the following from the contractor.

- MAM**
- 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.

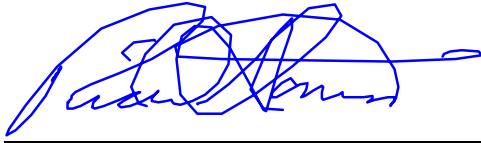
- MAM**
- Mock-ups and color samples. Reference architects letter to contractor of July 1, 2003.
 - Contractor had a question on the sealed siding samples. Also the louver color and the sheetmetal flashing color selection.

13. Relative to item no. 12 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.

- ALL CONTRACTORS** 14. Relative to item no. 13 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!!!**

- MAM** 15. Relative to item no. 15 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. Contractor needs to forward the paperwork attachments required for the Retro Plate System for incorporation into the ASI.
- MAM** 16. Relative to item no. 16 of the previous meeting minutes concerning the brick mock-up, there are additional mock-ups that are requested by the Design Team to incorporate colored grout.
- MAM** 17. Architect instructed the contractor to hold on any work with respect to the revolving door since it is under consideration for revision or replacement.
18. Relative to item no. 17 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** 19. Relative to item no. 21 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.
- SJA, AEI** 20. Concerning item no. 22 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.
21. Greg indicated that there is a meeting tomorrow at 1:00 pm with Mortenson on the tunnel tie-in. Careful review of penetration and waterproofing detailing is part of the items on the agenda.
- SB** 22. Mike stated that Sebesta Bloomberg was onsite to conduct grounding testing. They were very pleased with the results and stated that a follow-up will not be necessary until the latter part of the project during the final commissioning stages. Report should follow from SB.
- MAM** 23. There was a question by the electrical sub-contractor that there are two electrical penetrations into the tunnel which can be re-used as opposed to drilling new penetrations. These are simply to be carefully marked on the electrical contractors as-builts. No further follow-up documentation is necessary by Design Team.
- Greg Ewald** 24. 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.
25. The contractors working hours will typically be from 7:00 a.m. to 3:30 p.m.
- All Contractors** 26. **The next construction meeting will be held Tuesday, September 16, 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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September 3, 2003

FIELD TRIP MEMORANDUM

To: Brian Morse - Stanius Johnson Architects

Project: James I. Swenson Laboratory Science Building - UMD
UM project number: 581-98-1221
Duluth, Minnesota

Representative Contacted: Mike Pierson – Mortenson

Date of Field Trip: September 2, 2003

Written By: Paul A. Johnson, P.E.

A site visit was made to review preparation for concrete placement at the penthouse floor, area A. The following summarizes our observations and the items discussed with the project representatives:

1. Several items were noted regarding reinforcing steel placement:
 - 1.1. Top steel over the girders along grid 16 between grids D and L (reference detail C2/S701) was missing.
 - 1.2. Top steel along the slab edge at grid D was placed low (the bars were tied to the underside of the support bar rather than to the top). The contractor was reminded that the specified top cover for reinforcing steel is one inch. Pierson noted that chair height for top bars in this (and future) pours were reduced 1/4" in accordance with item 3 of our August 13 field trip memorandum.
 - 1.3. It was noted that top steel along the cantilever at grid D should be supported at the slab edge and has priority (within the upper layer of reinforcing steel) over adjacent (typical) top steel placed above girders.

It was agreed that corrections would be made to the reinforcing steel deficiencies noted herein prior to concrete placement (scheduled for the morning of September 3).

2. Gaps of 1/16" to 3/16" were observed between the upper and lower sections of several structural steel column splices near the north end of area A. The two column sections are intended to bear at the splice (refer to detail A1/S401). The maximum allowable gap between sections intended to be in contact bearing is 1/16" (refer to section M4.4 of the AISC Manual of Steel Construction). MBJ recommends that GME inventory all column splices on the project in conjunction with structural steel special inspections to identify and document gaps at each splice. Those splices with gaps that exceed 1/16" over the majority of the intended contact surface area may require remedial action. Remedial work may include the addition of shims, evaluation of actual loads and splice capacity and/or reinforcement of the splice. MBJ will issue final recommendations following review of the survey data. It was agreed the contractor would coordinate the column splice survey with GME.

Field Trip Memorandum

James I. Swenson Laboratory Science Building - UMD

UM project number: 581-98-1221

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3. A brief review of the finished slab surface at the second floor, area A was made. Several small cracks were observed similar to those observed at the first floor, area A and documented in our August 13 field trip memorandum. However, a thorough review of all floor slab conditions (at the completed structural floors in areas A and B) was not made. We recommend that SJA review the slab condition in conjunction with review of floor finish preparation. Any concerns regarding slab cracks on the suspended floors should be documented immediately.
4. The contractor was advised to carefully consider the sequence of erection for all “kickers” used to brace lintels and truss bottom chords (refer to details D3/S703 and D5/S703). Installation of the brace before concrete placement at the supported floor may result in unacceptable lateral displacement of lintels at the end of the brace (particularly for braces located near mid-span of long spans with anticipated dead load deflections in excess of 1”). The contractor is reminded that brace elements are designed for permanent “in-place” loads; the contractor is responsible for maintaining adequate temporary bracing until permanent construction is complete.
5. MBJ requested data from the contractor’s previous measurements of beam and deck deflection (under dead load) for comparison with predicted values.

These notes reflect the writer’s observations and understanding of the items discussed. Please notify MBJ (in writing) if there are exceptions with any item and if clarification or additional information is required.

PAJ/

Email Cc: Dan Murphy - Meyer, Borgman and Johnson, Inc. (Minneapolis)
Mike Pierson – Mortenson

UMD Science Building Project #031007
3 Week Schedule

MORTENSON[®]		September							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	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	Area A																					
Minute-Ogle	Frame ext walls	x	x	x	x	x			x	x	x	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																			
Jamar	Set AHU			x																		
Jamar	Install AHU ductwork	x	x	x	x	x			x	x	x	x	x			x	x	x	x	x		
	Area B																					
N. Erectors	Set str.stl.- upper levels																					
N. Erectors	Detail str. Stl.	x	x	x																		
N. Erectors	Decking		x	x	x	x			x													
AGO	Underground plumbing	x	x																			
API	Underground elect.	x	x																			
Mortenson	SOG		x	x	p																	
	Area C																					
N. Erectors	Set str. Stl.		x	x	x	x			x													
N. Erectors	Detail stl.				x	x			x	x	x	x	x									
N. Erectors	Decking												x			x	x	x	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											
Mortenson/ Sowles	FRP ftgs.	x	x	p	x	x			p	x	p											
Mortenson/ Sowles	FRP walls	x	p	x	x	p			x	p	x	p										
Jamar/ Ulland	Waterproof-Backfill									x	x	x	x			x						
N. Erect.	Set str. Stl.																x	x	x	x		
N. Erect.	Detail str.stl.																		x	x		
N. Erect.	Decking																					
	Cooling tower																					
N. Erectors	Set str. Stl.		x	x																		

Submittal Log

Date: 9/9/03

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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	12
* 05120-SD-018	001	Skyway Shops/Trusses K and L: Skyway Trusses K and L	SUB		8/21/03	8/22/03			ARCH	18
* 05120-SD-016	001	Steel from C Line to Stair #4	SUB		8/25/03	8/28/03			ARCH	12
05500 Metal Fabrications										
* 05500-SD-003	001	Railing, Mics Angles, Roof Grating	SUB		8/19/03	8/28/03			ARCH	12
05716 Fabricated Helical Stairs										
05716-SA-001	001	Aluminum Abrasive Nosing	SUB		9/3/03	9/4/03			ARCH	5
05716-PS-002	001	Design Data/Calculations	SUB		9/3/03	9/4/03			ARCH	5
05716-PS-001	001	Helical Stairs Prelim. Load Values	SUB		8/21/03	8/21/03			ARCH	19
05716-SA-002	001	Steel Grating Sample	SUB		9/3/03	9/4/03			ARCH	5
06410 Laboratory Custom Wood Casework										
* 06410-MU-001	001	Lab casework mock-up	SUB		8/19/03	8/26/03			ARCH	14
07461 Fiber Cement Siding										
* 07461-SA-002	002	Fiber Cement Siding Samples- Sealed	SUB		9/5/03	9/5/03			ARCH	4
07620 Sheet Metal Flashing & Trim										
07620-SA-002	001	Sheet Metal Flashing & Trim Samples	SUB		8/5/03	8/6/03			ARCH	34
08911 Glazed Aluminum Curtain Wall										
08911-SD-002	001	Aluminum Door Shops	SUB		9/2/03	9/4/03			ARCH	5
* 08911-SD-001	002	Glazed Aluminum Curtain Wall Shops: Glazed Aluminum Certai	SUB		9/3/03	9/4/03			ARCH	5
09403 Concrete Floor Finish										
09403-PS-001	001	Concrete Floor Finish Specs	SUB		9/8/03	9/9/03			ARCH	0
09920 Interior Painting										
09920-SA-001	001	Interior/Exterior Painting Samples: Interior Painting Samples	SUB		8/1/03	8/4/03			ARCH	36
11406 Constant Temperature Rooms										
* 11406-SD-001	001	Constant Temperature Rooms Shops	SUB		8/11/03	8/25/03			ARCH	15
12344 Epoxy Resin Surfaces, Sinks, Etc.										
* 12344-MU-001	001	Epoxy Surfaces, Sinks, Fix. Mockup	SUB		8/19/03	8/26/03			ARCH	14
15840 Diffusers, Registers, and Grills										
15840-SD-001	002	Diffusers, Registers, Grills Shops	SUB		8/25/03	8/27/03			ARCH	13
16450 Grounding System										
16450-PS-001	002	Grounding System Spec	SUB		9/3/03	9/4/03			ARCH	5
16490 Fuses										
16490-PS-001	002	Fuse Specs	SUB		9/3/03	9/4/03			ARCH	5

Submittal's +21 Days: 2

CIC Log

Sorted by Status

Date: 9/9/03

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	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
15-006	CIC	00015	Jamar RFI 006- Grille Types	BW	NEW	9/5/03	9/12/03			\$0
1 Items									Subtotal:	\$0
15 Total Items									Total:	\$2,920

Open Notice Log

Sorted by Engineer

Date: 9/9/03

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	PR #033- Site Lighting Revisions	BW	NEW	7/28/03	8/4/03			\$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
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	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
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	00035	PR #036 Revolving Door Stoop Slab	MP	NEW	9/4/03	9/11/03			\$0
7 Items									Subtotal:	\$0
13 Total Items									Total:	\$0

PCO Status Log

Date: 9/9/03

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 Drintile 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

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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

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<u>Issue</u>	<u>To</u>	<u>From</u>	<u>Number</u>	<u>Description</u>	<u>Status</u>	<u>Dated</u>	<u>Responded</u>	<u>Required</u>	<u>Days Held</u>
15-060	ARCH	MORT	00219	HPC into LPS	NEW	8/27/03		9/4/03	13

Open RFI's: 1