



## FIELD REPORT No. 5.2 (Revised)

**U of M PROJECT NUMBER** 581-65-1221

**BUILDING PERMIT** 111068

**ARCHITECT PROJECT NO.** 01023

**DATE:** July 27, 2004

**PROJECT:** Swenson Science Lab

**LOCATION:** University of Minnesota – Duluth  
Duluth, MN 55812

**OWNER:** University of Minnesota

**CONTRACTOR:** M.A.Mortenson

**START DATE:** April 1, 2003

**COMPLETION DATE:** December 31, 2004

The following areas were inspected on Tuesday, June 22, 2004, and again July 27<sup>th</sup>, with the items noted below in need of correction. All items should be marked “corrected” unless it is impossible to do so. If this is the case, the Contractor should indicate “not corrected” and provide an explanation for each item that cannot be marked “corrected”.

This Field Report **No. 5.2** supercedes Field Reports Nos. 1-5.1 and does not relieve the Contractor from furnishing and installing all work as per the Contract Documents. The Contractor shall sign and return this list to the Architect’s office as soon as possible to avoid items appearing on a punch list.

**CORRECTED**  
**YES NO**

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### GENERAL

- |                          |                          |   |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | 1. All stair tower handrail brackets need to have an acorn-nut provided in lieu of the standard nut with the threads at varying thread lengths. |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. On Stair No. 3, the Contractor is to properly support the top of the roof ships ladder.  |

**SJA Architects**  
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- 3. On Stair No. 2, the curtain wall channel fasteners to the horizontal structural steel tube need to have the nuts replaced with acorn-type nuts, similar as noted above for the handrails.
- 4. The Contractor is to communicate to the mason to provide uniform head joints in the brick veneer for proper appearance. Checking this item off, the Contractor is indicating that he has communicated this to the masonry sub-contractor.
- 5. The retaining wall, north of the "Research Wing", needs to have a uniform and perfectly level top of wall appearance with chamfered corners. **This wall has been "dinged" again.**
- 6. The steel stringers on Stair No. 1 were received bent. They need to be either straightened or replaced for a perfectly smooth appearance.
- 7. The appearance of the intumescent paint has been rejected. Contractor is to check this item off after the sub-contractor has sanded down and spackled as necessary for a perfectly uniform appearance.
- 8. The low wall section Building C vapor barrier is not properly sealed against itself and adjoining steel construction.
- 9. The routing of the concrete for the electrical conduits for Building B, west entry, need to be lowered by 1-1/2" (one and one-half) to provide proper concrete patch coverage.
- 10. The Contractor is to grind and body-putty smooth exposed structural steel for Stair No. 1.
- 11. Remove mortar from around all sun screen support tubing and provide caulking.
- 12. On a number of exterior louvers the workmanship has been rejected by the Architect. It includes uneven gap, mis-alignment from the factory, and out of plumb from the factory or field installation.
- 13. On the tall windows of the Teaching Wing the gaps down at the floor shall be closed in with extruded aluminum angle closer plates
- 14. Architect pointed a number of aesthetic issues that the window subcontractor needs to address. They include the window to sill, exterior, at the south and west elevations of the Teaching Wing. Also, the same window to sill and window to head, non-uniform reveal on the cantilevered Grad/TA offices. Also and expansion gap needs to be provided, uniform, on the southwest corner of the Teaching Wing as well as one pane of glass removed and replaced since it came too long and abuts the curtain wall extrusion.
- 15. Provide continuous caulk sealant between the siding and penetrations through the siding for the penthouses, including but not limited to, louvers, doors, piping, etc.
- 16. Clean all mars, dirt, etc., from the siding prior to sealing.
- 17. The workmanship on the "F" reveal, Building A, Detail E2/A503 is not acceptable. The "F" reveal is to crawl slightly over the face of the window jamb.
- 18. The Contractor is reminded that all electrical cover plates shall be installed square and true as well as flush with the wall surface.
- 19. All casework is to be carefully scribed to the wall to provide a tight fit between the wood casework and the adjoining wall.

20. Attached is AEI's latest Field Report to be addressed by the Contractor.

**STANIUS JOHNSON architects**

By: 

\_\_\_\_\_  
Rickard A. Stanius, AIA, CSI

**M.A.Mortenson**

By:

\_\_\_\_\_  
(printed name & title)

Date:

cc: John Rashid, UMD  
Jim Riehl, UMD  
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**Field Report  
No. 16**



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UMD – Swenson Science Building

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01329-00

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Name of Project

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Project No.

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Duluth, MN

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July 22, 2004

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Project Location, City, State

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Date of Visit

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Dick Shea

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Report By

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Copies

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Typist

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**Time of Visit:** 07/22/04 ~ 10:30 AM – 1:30 PM

**Weather Conditions:** Warm & Sunny

**Contacts:** Bret Woodland

**General Comments:**

- 1) Walk construction site from penthouse to ground level observing the installation of electrical equipment.
- 2) In quadrant A the contractor has installed most of the wiring devices (duplex receptacles, light switches, telephone outlets, and data outlets). Also some light fixtures have been installed, mostly in the support rooms. Contractor is in the process of installing the plugmold on the lab benches.
- 3) In quadrant B the contractor has begun installation of the wiring devices. It appears that most of the data and telephone outlets have been installed and wired.
- 4) In quadrant C it appears that the contractor has roughed-in the outlet boxes and conduit for the wiring devices and has completed the installation of the cable tray.
- 5) In general all electrical work installed to date looks to be of good quality. Installation appears to be following the design intent of the specification and the contract documents. The contractor shall be reminded to keep accurate as-built drawings especially related to the re-routing of the cable tray and the relocation of panelboards from one closet to another closet.

# Field Report

No. 16

01329-00

## Observations:

Item	Observations	Date Observed	Date Completed	Comments
2	The fan guards in the AHU's need to be painted Yellow. Refer to job specifications, 15000.3.6.B.	09/30/03		01/13/04~On going. Questions were raised regarding painting of covers on fume exhaust fans. Specification state covers to be yellow. 02/24/04~On going. BJK 03/23/04~On going. BJK 04/06/04~Did not review on this trip. BJK 04/20/04~This item will be completed at a later date. BJK 07/22/04~Did not review on this trip. DES
3	The HRU on building A, the wood shims between the house keeping pad and the HRU need to be removed.	09/30/03		01/13/04~On going. 02/24/04~No change. BJK 03/23/04~On going. BJK 04/06/04~Did not review on this trip. BJK 04/20/04~This item will be completed at a later date. BJK 07/22/04~Did not review on this trip. DES
19	The HVAC Piping is lying outside in the mud with open ends, Piping to be protected. Piping is starting to corrode (rusting).	04/06/04		04/20/04~No change. BJK 05/18/04~This piping is being installed. BJK 06/01/04~No change. BJK 06/15/04~More pipe added to the pile. BJK 07/09/04~No change. BJK 07/22/04~Did not review on this trip. DES
20	The copper tubing for the temperature control air in the 2 <sup>nd</sup> floor mock up area needs to be resupported; it is lying on ductwork and up against galvanized clevises.	04/20/04	07/09/04	05/18/04~Work in progress. BJK 06/01/04~No change. BJK 06/15/04~No change. BJK 07/09/04~Item completed. BJK
22	The AT near doorway 180 does not have sufficient service space. Refer to job specifications, 15830.3.2.B.	05/18/04		06/01/04~Did not review on this trip. BJK 06/15/04~No change. BJK 07/09/04~Did not review on this trip. BJK 07/22/04~Did not review on this trip. DES

# Field Report

No. 16

01329-00

Item	Observations	Date Observed	Date Completed	Comments
23	The HVAC Piping for AT-161A is touching the Stainless Steel Fume Exhaust Ductwork. The Piping will need to be relocated so Insulation can be installed.	05/18/04		06/01/04~Work in progress. BJK 06/15/04~No change. BJK 07/09/04~No change. BJK 07/22/04~Did not review on this trip. DES
25	In corridor 100G the Electrical boxes are being support on the Ductwork support, the boxes are to be independently from the structure. Refer to job specifications, 16110.3.2.K.	05/18/04		06/01/04~Work in progress. BJK 06/15/04~No change. BJK 07/09/04~No change. BJK 07-22-04~Did not review on this trip. DES
26	The welded Plumbing supports through out the building need to be cleaned and painted. Refer to the job specifications, 15020.1.5.E and 15020.1.5.O.	05/18/04		06/01/04~Work in progress. BJK 06/15/04~No change. BJK 07/09/04~Some areas are completed well others are not. BJK 07/22/04~Did not review on this trip. DES
27	The VFD's and the TC panels on the AHU's are fasten to the AHU's this is not allowed. Refer to the job specifications, 15730.3.1.F.	05/18/04		06/01/04~No change. BJK 06/15/04~No change. BJK 07/09/04~No change. BJK 07/22/04~Did not review on this trip. DES
28	Housing panels and dampers are sitting in water near AHU #3.	05/18/04	07/09/04	06/01/04~The panels are not in water at this time. BJK 06/15/04~Did not review on this trip. BJK 07/09/04~Dampers have been moved and cleaned. BJK
29	Waiting on the weld test paper work. Refer to job specifications, 15510.1.6 and 15030.3.2.	05/18/04		06/01/04~No change. BJK 06/15/04~No change. BJK 07/09/04~No change. BJK 07/22/04~Did not review on this trip. DES
31	Near EV181B, the 1/4" temperature control piping is supported on the Fire Protection Piping with panduits.	06/15/04		07/09/04~Did not review on this trip. BJK 07/22/04~Did not review on this trip. DES
32	AT150A does not have sufficient service space. Refer to job specifications, 15830.3.2.B.	06/15/04		07/09/04~Did not review on this trip. BJK 07/22/04~Did not review on this trip. DES
33	Second floor, room 258, according to the electrical documents the room is a dark room. It appears that 2 x 4 lay-in troffers are installed, the correct fixtures type should be "A1" (a dark room type fixture with filtered and non-filtered compartments).	7/22/04		

# Field Report

No. 16

01329-00

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Item	Observations	Date Observed	Date Completed	Comments
34	Second floor, room 200E (Electrical Closet) the panelboards on the north wall were not installed according to the contract documents. All four panels were to be mounted so that they were within the open space created when the doors on the south wall are open. Closet is only 37" deep, current installation does not meet the NEC. Suggest that this should be inspected as soon as possible.	7/22/04		
35	Recommend that the contractor take extra care in the cutting and installation of the plugmold cover. Try and keep cuts as square as possible. Adjust cover as it is installed so that where blank cover butts up to receptacle cover plate it is a clean smooth line.	7/22/04		

**Prepared by:**

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