

SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 98 - 1/5/78

IN ATTENDANCE:

* E. A. Kogl	U of M
* O. W. Hughes	U of M
Stephen Greene	U of M
Jim Fallon	U of M
Jim Hastert	U of M
* Joe McCormick	U of M
Wally Mellum	U of M
Joe Palla	U of M
Dick Hendricks	U of M
* Paul Maupin	U of M
* Bob Swanson	U of M
* Greg Kujawa	U of M
* Paul Kopietz	U of M
* Don Nelson	Mechanical Data
* Felix Hernandez	Mosler
* Ray Anderson	Hayes
* George Klein	Hayes
* John Bellair	Premier
Jim Culligan	Premier
Dick Carlson	HSAE
* Duane Blanchard	HSAE
* John Patterson	HSAE
Rich Sievers	Honeywell
* Woody Jensen	Poppenberger
* John Roettger	Sheehy
Pat Whalen	Sheehy
Ken Fick	Sheehy
* Ralph Magnuson	Westinghouse
John Thesenvitz	Poppenberger
Jim Kohoe	Hayes

* Not Present

REVIEW:

347. Fick - Alpana started today installing the modified 90 degree hold open hooks on the 12th floor. Greene and Fallon checked and approved the sample installation.

358. Greene - On what date can the first floor tunnel ceiling tile be placed so that the corridor can be opened up?

Culligan - I will let you know when we will have our work complete in the ceiling after which the tile can be placed.

Whalen - At the unit 'A' end of the tunnel we have a problem with the Vanduprin hardware, but we will install what we can of it and complete the painting. The rest of the grid should be in the end of the month.

373. Mellum - To my knowledge the only floor on which the sprinklers are on and monitored as of the day before yesterday was the 7th floor.

Sievers - We put some on the line yesterday and we have been working on cross referencing. We will have supervisory systems next week.

Hastert - Is there still a problem with the sprinkler head in room 3 -75? I would like to get a decision on this before we have a problem with it.

375. Sievers - We held one session on fire management last Friday and will hold another this coming week.

377. Mellum - The mechanical has air handling units ready to turn on, is Honeywell ready?

Sievers - We have them roughly calibrated but we would like to be in on the start up.

Greene - I believe that the mechanical and electrical should get together on all start ups.

Mellum - The equipment should be started up and have the bugs worked out before asking for a demonstration. Yesterday on the 10th floor equipment was started up but the area was not adequately clean.

Hendricks - All equipment should be cleaned and vacuum before start up - in unit "A" there were many motors burned out after operating just a short time because of the dirt they were affected by.

Fick - Each prime contractor is responsible for seeing to it that adequate cleanliness prevails prior to the start up of equipment he furnishes in order to prevent such damage.

379. Hendricks - Our shop is still making preparations to install the protective barrier around the 8" water pipe in the Mayo Garage.

380. Culligan - What system was demonstrated which we were not finished on?

Hastert - Air dryers for one but we want all contractors done before demonstration.

NEW BUSINESS:

381. Fick - We protest the way the University has let contracts either directly or indirectly to various and sundry independent contractors who seem to be now roaming the building at will with little discipline and no evidence that they were given any organized procedures to follow in conducting their work on this project. We do not know who the contractors are and in some cases the tradesmen do not know the names of the firms for whom they are working either. Most of the areas we are not finished in yet have been delayed by modifications issued by the University so the owner is to a large extent responsible for the unfinished areas.

Greene - You are responsible for site management while you are here. The planning office has requested a schedule of completion floor by floor by all contractors which should help to alleviate this problem.

Whalen - When the University issues these small contracts, it has the responsibility of notifying each contractor to whom it awards a contract of all the rules and regulations which they must abide by while they conduct their work. Furthermore, we were informed by Mr. Kogl at one of the prior meetings that those contractors would be using the elevators in unit 'A' for vertical transportation and then come across to 'B' and 'C' in order to perform their work.

Fick - One item of work we will be late on will be painting as necessary the perimeter radiation covers because the painting subcontractor is in the process of purchasing a special unit of equipment which will do a better job of matching the factory paint finish but it will be about three or four more weeks before that equipment is here. We also wish to report that our Loudon refrigerators and freezer will not be here until next month because of a strike at the plant which had the plant shut down from March until November of 1977. These 23 refrigerators and 1 freezer are all undercounter units.

382. Greene - Carpeting by the owner will be started on the 12th floor on Monday and then they will go to the 11th floor and then presumably to the basement. The carpet in the Auditorium will follow this. Keying can be changed on the 12th and 11th floors.

383. Carlson - I suggest that we give some thought to reducing the frequency of these jobsite meetings since special meetings are held quite often to cover specific problems.

Hendricks - I would think that the balancing contractor should be more interested in these meetings - I do not recall having seen him at all here.

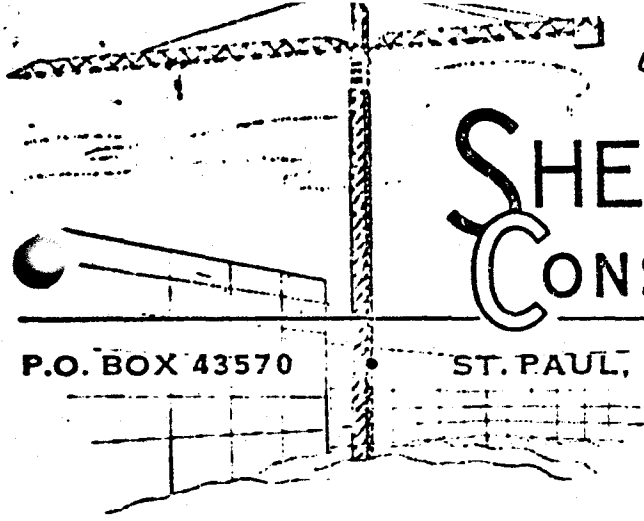
Hastert - We are keeping him informed as to the status of the job at all times and they are balancing the system to a certain degree right now. In the shell spaces that will be completed, we will have a contract to balance these areas also.

384. Sievers - The owner has expressed a desire of a change in the security equipment. Is there any more information on this?

Mellum - I will get the information to you after this meeting.

O.D.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
51-P	Floor sleeves to alleviate spilled or over-flow liquid migration between floors	General Mechanical Electrical	9/1/76	Electrical to quote
66-P	Revise provisions for electrically locked unlocked exit devices & electro-magnetic hold	General Electrical	11/10/76	Electrical T & M
72-P	Revise and clarify temporary electrical service installation	Electrical	12/3/76	U of M Evaluate
80-P	Revisions to electrical specs & drawings	Electrical	1/10/77	Electrical to requote
86-P	1st floor east power revisions in various rooms	Electrical	1/10/77	T & M
87-P	Revisions - see modifications	Electrical	1/10/77	T & M
88-P	Refer to Mod. electrical drawing sheet E-24 for revisions	Electrical	1/10/77	T & M
123-P	Modify the Unit B/C Plaza substrate design	General	3/25/77	U of M Evaluate
128-A	Stair G	Mechanical General	3/29/77	Mechanical T & M
136-A	Aud. Seating	General Electrical	4/14/77	Electrical T & M
150-E	Mechanical work for MTS	Mechanical	7/20/77	Contractor to sign
165-P	All provisions for intrusion system	General Electrical	8/5/77	Gen. & Elec. T & M

MOD.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
173-E	Omit full height masonry wall - new 8" concrete wall between these rooms & parallel to Grid E8	General	8/23/77	H.S.A.E. to review mod.
177-E	Route & add valves to high pressure steam	Mechanical	11/77	H.S.A.E./U.M. Eval.
186-A	Ceiling revisions to accomodate mechanical and electrical fixtures	General	11/11/77	Processing
187-E	Install a new Elkhart No. 745 four-way Sq. flush type wall	Mechanical	11/17/77	H.S.A.E. Evaluating
189-E	Revisions to R.F. Shielded rooms	Genral Mechanical	11/7/77	processing
191-E	Furr wall to accomodate existing piping & conduit in Room 1-354	General	12/2/77	U.M. Evaluating
193-E	Provide fuel shut off on day tank	Mechanical	12/2/77	Mechanical to quote
196-E	Revise paint schedule for 9-145 from blue to off-white for walls & ceiling	General	12/2/77	Processing
197-P	Revise certain features of the reception rooms plastic casework on 1,2,3,4,8 & 9	General	12/9/77	H.S.A.E. Eval.
203-E	Modify general contract in accordance with described items (see mod)	General	1/3/78	Processing
204-E	Modify electrical contract to include hook up of controls for chiller equipment	Electrical	1/3/78	Contractor to sign
205-#	Substitute joy vane axiel fans in lieu of centrif. fans specified	Mechanical	1/3/78	Contractor to sign (can't)



Unit B/C - Construction Notes

RECEIVED

JAN 25 1978

SHEEHY CONSTRUCTION COMPANY

UNIV. OF MINN.
HEALTH SCIENCE
CENTRAL OFFICE

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 99 - 1/12/78

IN ATTENDANCE:

- | | |
|-------------------|-----------------|
| E. A. Kogl | U of M |
| * O. W. Hughes | U of M |
| Stephen Greene | U of M |
| Jim Fallon | U of M |
| Jim Hastert | U of M |
| * Joe McCormick | U of M |
| Wally Mellum | U of M |
| * Joe Palla | U of M |
| Dick Hendricks | U of M |
| Paul Maupin | U of M |
| Bob Swanson | U of M |
| * Greg Kujawa | U of M |
| * Paul Kopietz | U of M |
| * Don Nelson | Mechanical Data |
| * Felix Hernandez | Mosler |
| Ray Anderson | Hayes |
| * George Klein | Hayes |
| John Bellair | Premier |
| * Jim Culligan | Premier |
| Dick Carlson | HSAE |
| * Duane Blanchard | HSAE |
| * John Patterson | HSAE |
| Rich Sievers | Honeywell |
| * Woody Jensen | Poppenberger |
| John Roettger | Sheehy |
| Pat Whalen | Sheehy |
| Ken Fick | Sheehy |
| * Ralph Magnuson | Westinghouse |
| Jim Lang | Poppenberger |

* Not Present

CORRECTIONS:

381. Kogl - The various independent contractors doing the work directly for the University can use elevator #11 in Unit 'A' and come across into Unit B/C to do their work.

Greene - The connections between Units 'A' and 'B' can be kept locked at all times and we will give the contractors the key they need to get through. Any contractors using the elevators in Unit B/C are required to pay Sheehy the regular elevator charges the same as the other contractors on Unit B/C are.

Roettger - We should keep all the connections locked for everybody and follow right on down as each floor is accepted.

REVIEW:

373. Anderson - We will start the fire pump on Monday - if it checks out we will hold the demonstration.

Carlson - There has been no decision yet on the sprinkler head in room 3-75 because Bob Nielson is in the hospital.

Hastert - Honeywell objects strongly to the head in the room.

Kogl - Take the head out for now in order to prevent any chance of accidental flooding and when the owner takes over the room he can then decide what to do.

379. Hendricks - Our shop is planning to install the protective barrier around the 8" water pipe in the Mayo Garage this coming week.

381. Roettger - There still has to be more direction given to the independent contractors hired by the University. We need to know who is here and what floors they are working on.

Kogl - The University personnel will notify all of these contractors and make sure that they follow the specifications regarding checking in, parking, safety regulations, fire prevention regulations and so on.

383. Roettger - If we decide to have this meeting on the bi-weekly basis rather than every week, we could combine more in the Wednesday morning foremen's meetings with University personnel. The University can set up a schedule for completion of everything so we can try to give the owner the areas he needs first.

Anderson - There could be more meetings between the prime contractors and the University Inspectors.

Kogl - From our standpoint we agree that this meeting can be set on an every other week basis.

384. Mellum - This whole matter of the security equipment is more complicated than what first appeared. I cannot give you an answer yet. The security at the police station requires a different interpretation of the specifications. Hence we are still working on this matter in order to give an answer to Rich Sievers who first brought it up.

NEW BUSINESS:

385. Anderson - One of the items appearing on our punch lists are the marks on the floors in exposed areas and I thought we had it settled over a year ago that these marks could remain.

Roettger - This was brought up a year and a half ago and it was agreed to by the owner that the marks could remain. We laid out marked door numbers and room numbers and then did the sealing and the owner agreed that these marks could remain.

Kogl - The original idea was that the mechanical and electrical layout would be done after the floors were sealed so that those marks could be removed.

386. Bellair - We are concerned that the job does not seem to be getting finished up. Why has not the 12th floor been accepted for example?

Kogl - You must have all systems complete and ready according to the specifications. What systems are monitored? Honeywell said that only the 7th floor is monitored. What is the status of the emergency generators?

Mellum - At this time we have no fire protection monitoring on the 12th floor. Your fresh air damper on the emergency generator is not hooked up as of today.

Roettger - You still have electricians working on the 11th and 12th floors.

Kogl - If you go back six to nine months ago, it was made very clear to Premier Electric that they were short of electricians on the job and that their work was drastically falling behind and this is no doubt the reason that you are behind now.

Bellair - What does the emergency generator on the 10th floor have to do with accepting 11 and 12?

Maupin - If we move tissue in we would need the emergency generator system operable or risk an awfully lot of money if the power fails.

Fick - There is still quite a bit of custom made equipment due because of modifications and the fact that those items of equipment are not here yet obviously prevents completion of those areas.

Kogl - We will just have to work around the areas which were affected by and delayed by the mods. to this extent .

Carlson - Hopefully Bob Nielson will be back tomorrow so that his input can help resolve the items he is involved in for both mechanical and electrical .

387. Bellair - I submitted costs for the new East Delaware work four months ago and I would like to be paid for the work that we did but I still have not seen the modification covering it .

Mellum - Your price has increased and we are checking it over to determine the reason for that and we will get back to you .

388. Sievers - Has there been anything new yet on the sound tapes ?

Kogl - Kujawa is running this down now and hopefully will have the information for you next week .

389. Fallon - Mr. Kogl's previous letter concerning as-built drawings does not eliminate all drafting .

Kogl - You will X out certain areas affected by modifications and then refer to the Mod. number. Mark all field changes - there may be some slight amount of drafting there .

Hastert - The above does not apply to the mechanical contract inasmuch as in some areas considerable design work was involved in their work and performed by them .

390. Mellum - I do not see how the contractors can set up a meaningful schedule for completion on each floor until they know when and if the various systems will function properly according to final requirements .

Kogl - We need fire protection to accept areas - we need all systems complete in order to move people and tissue in. We will not accept the responsibility of telling the prime contractors when they have completed all of their obligations in any area and what they might have yet to do in a certain area in order to accomplish this contractual responsibility .

Fick - The next Project Meeting will be two weeks from now on January 26, 1978 and subsequent meetings will be every two weeks .

SHEEHY WORK SCHEDULE

* BEHIND SCHEDULE

- # 1. WE NEED: DAILY
- a. COMPOSITE CLEAN UP CREW ALL PRIMES
 - b. CONTRACTOR COOPERATION
 - c. OWNER COOPERATION
 - d. SUB CONT. COOPERATION

- * E+S COVERING 1ST FL
- * O'B 1ST FL DIFFUSERS
- * P - DRYWALL TAPING? 1ST - 2ND
- * P - CEILING
- * P - DRYWALL + TAPE - 6TH Now!

WED. 1-11-78
 J.N. - PRIME - 1ST FL
 P - COMP. TAPE - 3RD
 #1 - CLEAN UP BSMT.

JN - PRIME - 6TH
 PRE - MOD - 9B?
 S - RF. SHIELD BRMS.
 P - MOD 120 - WALLS
 A.S. - BASE BSMT? 4 1ST

THUR 1-12-78
 S - HANG DOORS
 A.S. - SCRUB + WAX BSMT.
 PRE - 1-192?

RK - TILE - O.R. AREAS
 S - OAK - AUDITORIUM
 O'B - SS - HOODS.
 HAM - CSWK - BSMT.

FRI 1-13-78
 JN. Sp FIN - 1-292
 S - MOSFELR CASH WOODS MOD 120
 #1. PHASE II AREAS CLEANUP

S - SEAL FLOORS - PHASE II AREAS
 P - DRYWALL + PLASTER MOD 69 (Now)
 PRE - STAIR "A" "B" "D"
 UofM - CHECK OUT BSMT BEFORE YOU OCCUPY!

MON 1-16-78
 S - CHECK UNISTRT 1ST + 3RD FL.
 H.H. CSWK - LSI

S - NOSINGS, STAIR "D"
 S - CLEAN + SEAL 6TH
 J.N. - PRIME 5TH
 RK - CERAMIC TILE.

TUES. 1-17-78
 B.A. P 3RD + 4TH
 S - POUR STAIR "G"

S - CLEAN + SEAL - 4TH - 1/2 OF SHELL SP
 SANDER - 11TH ELEV 11 - UNIT A
 UofM. PUNCH 9TH

WED 1-18-78
 J.N. - PAINT - 6TH

S - CLEAN + SEAL 5TH - 1/2 OF SHELL SP
 S - HANG DRS. 6TH

THUR 1-19-78
 UofM. PUNCH 8TH
 P - CEIL BD - 6TH?

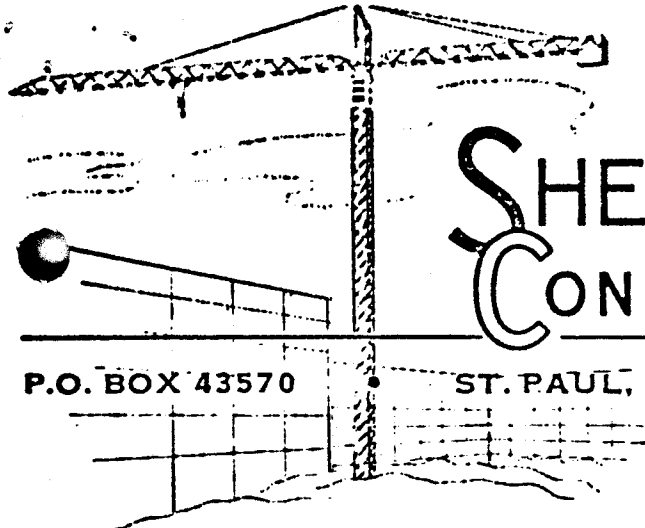
S - CLEAN + SEAL 2ND - 1/2 OF SHELL SP
 SANDER - MEZZ - OR 1ST
 JN - PAINT 5TH

FRI 1-20-78
 JN - FIN DRS. 6TH

S - CLEAN + SEAL 4TH 1/2 OF SHELL SP

MON 1-23-78
 S - HDWR - 6TH.

S - CLEAN + SEAL 5TH 1/2 OF SHELL SP



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MINUTES OF JOB MEETING - UNIT B/C # 100 - January 26, 1978

IN ATTENDANCE:

E. A. Kogl	U of M
O. W. Hughes	U of M
Stephen Greene	U of M
Jim Fallon	U of M
Jim Hastert	U of M
* Joe McCormick	U of M
Wally Mellum	U of M
Joe Palla	U of M
Dick Hendricks	U of M
Paul Maupin	U of M
Bob Swanson	U of M
Greg Kujawa	U of M
* Paul Kopietz	U of M
* Don Nelson	Mechanical Data
* Felix Hernandez	Mosler
Ray Anderson	Hayes
* George Klein	Hayes
John Bellair	Premier
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Dick Carlson	HSAE
* Duane Blanchard	HSAE
* John Patterson	HSAE
Rich Sievers	Honeywell
* Woody Jensen	Poppenberger
John Roettger	Sheehy
Pat Whalen	Sheehy
* Ken Fick	Sheehy
* Ralph Magnuson	Westinghouse
Jim Lang	Wm. Poppenberger

* Not Present

CORRECTIONS:

381. Greene - Add the fact that the people using Sheehy's elevator must pay Sheehy for the use thereof.

REVIEW:

385. Kogl - I still maintain that the only permission given for layout lines to remain on the floor were those by Sheehy designating grid, walls, and so forth. If there is disagreement about this with the mechanical and electrical, we will take it up again after Hughes gets back.

387. Kogl - We still have a problem with the East Delaware extra work but with both Nielsen and Mellum out sick we will come back to this at a later date.

388. Swanson - The answers are out. The tapes have been reviewed and minor changes made.

Kogl - Be sure to find out if the hand mike tone is a problem.

389. Culligan - What do you mean "doesn't eliminate all drafting"?

Fallon - It means you eliminate only drafting for modifications and then only if you do no relocation from the Mod. drawing.

390. Roettger - We held a meeting with the other contractors and made out a schedule which is attached to these Minutes. It looks like April 14th will be the completion date as of now but we need all systems as soon as possible for this date to be met. When can we drop the sonic alarm?

Hendricks - We have changed locks on 11 and 12 and we will have our security people check the same as on the 7th floor. We have fire protection only on the 7th floor now. Our security people will use the elevator in Unit A to go to 11 and 12 so as not to bother the sonic alarm if only in stairs now.

Sievers - We can put on temporary programs for the basement, 7-10-11-12 floors.

Culligan - You can put on basement, 7-8-9-10-11-12-13-14-15-16 now.

Roettger - Why not put on all except floors 1, 2 and 3.

Hendricks - Can we use the first floor tunnel without fire management?

Sievers - We have no monitoring there at all. We could put the temporary tape in this week.

Roettger - The procedure followed by Sonic Alarm is to call the University Police.

Kogl - The contractors should check their insurance coverage as to the liability if we use the first floor tunnel now.

Kogl - I think we will stop Sonic Alarm when we get the majority of floors covered by our people.

386. Bellair - Kogl says that Premier was short electricians six to nine months ago - either confirm or adjust this statement.

Kogl - It is evident that you were behind by this list.

Bellair - We are ready to put up lights in the first floor tunnel - what is the hold up there? I had 13 men on the 3rd floor - now we have no one. There are no other trades working there either.

Culligan - Other places we are held up because Poppenberger doesn't have the rock on.

Roettger - The 1st floor tunnel is held up because Poppenberger is short T's for the ceiling. That is why we made up the attached schedule in order to try to get at these problems and get done.

Kogl - The emergency generator was tested and had problems and they still exist.

Bellair - The exhaust into the building is not our problem.

Culligan - Mainly the sheet metal is not complete.

Bellair - Who is the person that will say that a system works?

Kogl - U of M personnel.

Bellair - We had a demonstration of the generator with factory representatives here and no punch list followed so we assume that it was okay.

Hastert - I think it was a shake down - not a demonstration.

Culligan - We cannot give a complete demonstration until the other contractors are done. We have not tested with the load because there is not enough load in the building yet.

Bellair - I can go back months in the records of the meetings where I said that the generators are ready and in those instances no one said then that the other contractors were not yet done.

Roettger - We have it in this schedule to load test the generator in the basement.

Kogl - The University will coordinate getting the contractors together if they will not of their own volition. We are compiling a list of items that I would like Bellair to go over with accompanied by Greene, Palla and Roettger.

NEW BUSINESS:

391. Roettger - 1st Floor West - We need answers on the piping problems.

Carlson - We gave our input to Greene.

Greene - We relayed the information to the planning office and we are waiting for direction from them.

392. Roettger - Along Diehl Hall we are to remove a four inch block wall and inside there is a tile wall in the locker room. The floor elevations are different - what do we do?

Carlson - I will check on this problem.

393. Roettger - The Phase II Contractor is starting and we should get out of the Shell Space Areas so we can seal the floors and turn them over.

Culligan - We are out except for Mod. 120.

394. Roettger - Sealer we are using causes an odor problem, should we change?

Hendricks - Coordinate with us, we can pressurize Unit A to help.

Kogl - Can we schedule this work after Clinic hours or would it be practical to wait until the exhausts are running on Unit B/C?

395. Roettger - Who will have keys for 11 and 12? There has been much damage caused by the owner's carpet contractor.

Greene - We will have the keys and check out.

-- Kogl - Greene have Hagen say what he wants done on these areas. Are our contractors to repair and make charges or find out what is to be done.

396. Roettger - (to Lang) Next Tuesday is the date for the commencement of ceiling pad installation on floor 6.

397. Greene - Westinghouse is not here at this meeting and they previously stated that Elevator #1 would be finished by February 1st.

398. Carlson - Can I pick out the Phase II interface work from this attached schedule?

Roettger - I put on last of when and where the work is and I intended it to be completed.

399. Carlson - Nielsen is out of the hospital and taking radiation treatments. He comes to the office on a daily basis depending on how he feels. We do have contact with him.

400. Hendricks - The water damage in Diehl Hall - Can we solve this and get the repair started.

Greene - We have had some insurance claims submitted to Sheehy.

401. Hendricks - There is a wall missing in the 16th floor interface work of Unit 'A'.

Whalen - We will check out and if that is so we will get it done promptly.

402. Fallon - Lindholm is missing fire extinguishers and cabinets from the 11th and 12th floors.
Can you find and return?

Roettger - The area was to be cleaned out when we moved in but we will check it out.

(No roll call was taken at the meeting so the attendance list accompanying these Minutes in this instance may not be completely accurate.)

P. LAMB

2-2-78

P. 1

COMPLETION

WORK ITEM	23 JAN 27	30 JAN FEB 3	6 10	13 17	20 24	27 MAR 3	6 10	13 17	20 24	27 31	3 APR 7	10 14	17 21	24 28	1 MAY 5
FIRE ALARM SYSTEM	B-4-15 Comp		1-2-3												
TEMP CONTROL	10-11 15														
GEN. STAGE LOAD															
FIRE PUMP		1ST W													
SECURITY SYSTEM		7 14-13	12 11	10-9	8-15	6-5	4-1	2-3	1-W						
HONEYWELL PROGRAM		B-4-15	B-W	1-2	3	2-W	1-W								
SMOKE DETECTORS		B-4-12	13-14	15 2	1-2W	3									
CONTROL ON 10		M	OK												
WIRING REC. STA 1ST															
FAN CONTROL	B	10	15		B-5-1-2-4-5-6-7-8-24										
DIRECTORIES	7-16	B-6-5	4-1		2-3	1-W	ME22								
STAIR SECURITY				DEL. STRAIGHT											
BALANCE BY OWNER															
FIRE MANAGEMENT	6-1-W	B-4	B-2	1											
MOD-120 ROUGH IN	SOUTH		NORTH												
ROUGH IN - CONDUIT		1ST W			ME22										
O'BRIEN DIFFUSERS 4.	6-4	2-1	3												
EQUIP. HOOK UP HAM				B-SMT	1ST 2	3	4-7 W-ME22								
POPP. LATHER	1ST FL WEST				ME22 - WEST										
PLASTER	1ST FL W				MAYO	ME22									
SANDER - FLOOR	OK			1ST FL WEST											
" - WALLS					1ST WEST										
JN. PRIME & FIN						1ST WEST									
SHEEHY DOORS					1ST W										
HOWE															
HAM. CSWK															

WE NEED ALL ACCESS TRENCH FOR PHASE II EARLY

SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 101 - 2/9/78

IN ATTENDANCE:

E. A. Kogl	U of M
O. W. Hughes	U of M
Stephen Greene	U of M
Jim Fallon	U of M
* Jim Hastert	U of M
* Joe McCormick	U of M
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Dick Hendricks	U of M
* Paul Maupin	U of M
* Bob Swanson	U of M
Greg Kujawa	U of M
* Paul Kopietz	U of M
* Don Nelson	Mechanical Data
* Felix Hernandez	Mosler
* Ray Anderson	Hayes
* George Klein	Hayes
* John Bellair	Premier
* Jim Culligan	Premier
Dick Carlson	HSAE
* Duane Blanchard	HSAE
* John Patterson	TAC
* Rich Sievers	Honeywell
* Woody Jensen	Poppenberger
John Roettger	Sheehy
Pat Whalen	Sheehy
Ken Fick	Sheehy
* Ralph Magnuson	Westinghouse
Betty Callander	Hayes
Dave Day	Honeywell
Jim Lang	Poppenberger
* Not Present	

RECEIVED

FEB 23 1978

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

REVIEW:

390. Fick - We again bring up that we are anxious to eliminate the sonic alarm security.

Kogl - The U of M is furnishing backup now.

Hughes - We will need to keep the sonic alarm security at least on the construction office here due to all the records stored in the house.

Hendricks - We are policing the 7th floor now with our people. We need the alarm system set up into Unit 'A' so that all problems can be monitored as systems are added.

Day - Tell us what is not complete and not working and we will try to work out the problems as soon as possible.

Greene - The status of the first floor tunnel is that the T's for the ceiling are not due in until February 13th at which time work there can be resumed.

385. Hughes - I recall at an earlier meeting that the layout marks were to be by the general. If changes were made to wall locations and so forth and new layout lines were made, then the University would have to live with the original layout marks. We are asking now for the removal of only the very bold conspicuous marks and I think if we get cooperation on this it will be only a minor item.

Roettger - We have door numbers in all the openings also.

391. Roettger - We are working on the first floor West now and nothing is being done with the piping problems despite our earlier request that it be resolved.

Greene - We have given Sheehy directions as to where the walls and so forth will be. I don't know if Hastert has done anything about the piping problems yet.

392. Roettger - In accordance with directions given us, we took down the block wall and left the tile in Diehl Hall.

393. Roettger - For the last two weeks we have been working in areas on the first and second floor but we are unable to complete because of work above the ceiling which is not yet complete and inspected.

Hughes - As long as you and Arkay can work together, they can delay their temporary partitions.

Kogl - Let University personnel know if you have problems with Arkay or with any of their contractors.

394. Greene - Sheehy has agreed to wait for warmer weather so that more outside air can be drawn into Unit 'A'.

395. Greene - Sheehy, Hayes, and Premier are just to complete their punch list items - the owner through his interior people will be responsible for repairing other damages.

396. Roettger - Ceiling pads are completed on the 6th floor now. The 4th floor is scheduled to start this week.

Palla - I gave a big punch list to Premier, and O'Brien has a lot of items to complete also which they are working on now. If Premier had a representative at this meeting, he could answer as to how long to complete his punch list on this floor.

397. Hughes - If Westinghouse can get inspection on elevator #1, it should be turned over Monday morning.

Hendricks - How does fire management work with elevators if a fire is on the 3rd floor?

Carlson - We are aware of the problem and are putting something together on this now.

Mellum - Somebody better check to see if the speaker is in elevator #1.

400. Roettger - We are cleaning up the area caused by the water damage at Diehl Hall - the plaster is a cement plaster mix so there should be no damage to it. The area will be painted by us when cleaned up.

401. Whalen - The wall is up but it is not yet painted.

NEW BUSINESS:

403. Fick - We are still waiting for the Mod. covering the deletion of the planters in the West area.

Carlson - It is number 201E - I previously wrote it up and it has been in the hands of the owner since December 22nd.

404. Roettger - Our schedule is attached to the Minutes. With cooperation we can meet it.

Kogl - Bellair promised his schedule on February 1st - today is February 9th and there still is no schedule from him so we cannot make a comparison.

405. Hughes - Sheehy must notify Bob Sullivan that the stainless steel tops where welded on the 11th and 12th floors are not acceptable. The grinding and polishing work is not adequate which results in a lack of proper blend.

Fick - Bob Sullivan is here today and is being made aware of these things.

406. Carlson - I would like to get together following this meeting with Hughes, Fick, Roettger, and Greene on the side panels required for the spray booth. We can discuss the conductive floor in the lower operating room suite and also Mod. 125 at this time.

407. Carlson - I met with Alpana on the matter of the bottom panels on the Mayo Link - we discovered a solution to this and they have resumed work on the link.

408. Carlson - When can we have the demonstration of the change made to the lift up gates in the clinical reception area by virtue of Mod. 197-P?

Fick - Straughan Hardware does not have all the hardware required for this one sample yet and as soon as they get it we will perform the sample installation.

409. Roettger - We still have a problem with a cable in stair 'G'.

Palla - The cable must be moved by iron worker.

410. Hendricks - Mod. 204 must be completed by March 31st or we will have a problem with the air conditioning.

Kogl - Please set up a meeting to get any problems out in the open and those present should be Carlson, Mellum, Hughes, and Greene.

411. Kujawa - We need safety in the West Plaza area when work is going on on the Mayo Link.

Kogl - The agreement was that we would have half of the bridge and block off the other half for traffic.

412. Hendricks - I would like all the work completed on the connection between Units "A" and "B". We need to remind the workers of the safety requirements - a welder was working without shielding and set off a smoke detector.

413. Hendricks - We did not get what we expected so far as painting equipment goes on the 10th floor. I refer to labels, name tags, and so forth.

Hughes - I will check this out with the painter at once.

414. Day - We need a meeting set up to what the priority items are.

Mellum - That is correct, you, Doug Olson, and Ray Anderson.

415. Roettger - The installation of the ceiling in the Mayo Link will depend on the progress by Alpana which now should be proceeding.

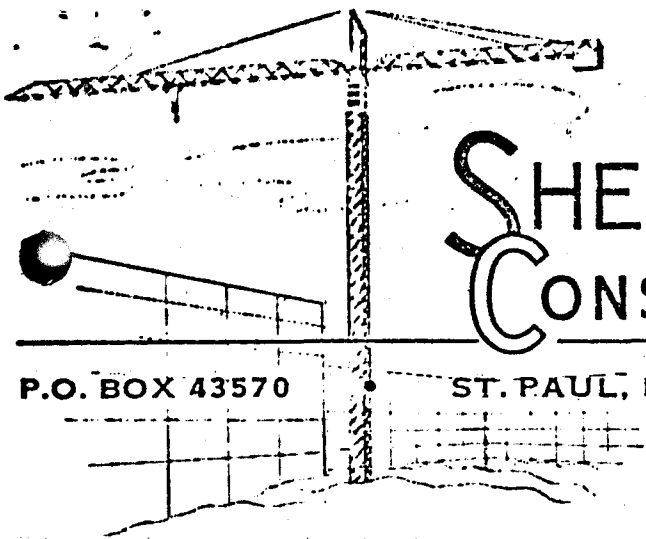
416. Fallon - We need as-builts if they have anything to do with the Phase II contract.

No one from the Premier Electrical Construction Company attended this Progress Meeting.

MOD.	DESCRIPTION	CONTR	DATE ISSUED	STATUS
51-P	Floor sleeves to alleviate spilled or over-flow liquid migration between floors.	General Mechanical Electrical	9/1/76	Electrical to quote
66-P	Revise provisions for electrically locked unlocked exit devices & electro-magnetic hold	General Electrical	11/10/76	Electrical T & M
72-P	Revise and clarify temporary electrical service installation	Electrical	12/3/76	U of M Evaluate
80-P	Revisions to electrical specs & drawings	Electrical	1/10/77	Electrical to requote
86-P	1st floor east power revisions in various rooms	Electrical	1/10/77	T & M
87-P	Revisions - see modification	Electrical	1/10/77	T & M
88-P	Refer to Mod. Electrical drawing sheet E-24 for revisions	Electrical	1/10/77	HSAE/UM to Evaluate
123-P	Modify the Unit B/C Plaza substrate design.	General	3/25/77	U of M Evaluate
128-A	Stair G	Mechanical General	3/29/77	Mechanical T & M
136-A	Aud. seating	General Electrical	4/14/77	Electrical T & M
150-E	Mechanical work for MTS	Mechanical	7/20/77	Contractor to sign
165-P	All provisions for intrusion system	General Electrical	8/5/77	Gen. & Elec. T & M

A.O.D.	DESCRIPTION	CONTR	DATE ISSUED	STATUS
177-E	Route & add valves to high pressure steam	Mechanical	11/77	Mechanical to requote
199-E	Provide heating in the ceiling space above the new fresh air intake	General Mechanical	11/17/77	HSAE Eval.
200-E	Replace pumps in small cooling tower for Environmental condensing rooms	Mechanical		NOT ISSUED
201-E	West Plaza Planter Revision from brick to exposed aggregate	General		NOT ISSUED
Revised 202-P	Revision of Firemanagement system Pre-recorded messages	Electrical	2/21/78	Electrical to sign
204-E	Modify electrical contract to include hook up of controls for chiller equipment	Electrical	1/3/78	U/M Evaluating
205-E	Substitute joy van axiel fans in lieu of centrif. fans specified	Mechanical	1/3/78	Contractor to sign
212-A	Electrical contract installation E-29 Room No 2-92 not indicated in contract documents	Electrical		NOT ISSUED

Unit B/C Construction Meeting
Notes



SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570 ST. PAUL, MINNESOTA 55164 • PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 102 - 2/23/78

IN ATTENDANCE:

- | | |
|-------------------|-----------------|
| E. A. Kogl | U of M |
| O. W. Hughes | U of M |
| * Stephen Greene | U of M |
| Jim Fallon | U of M |
| Jim Hastert | U of M |
| * Joe McCormick | U of M |
| Wally Mellum | U of M |
| Joe Palla | U of M |
| Dick Hendricks | U of M |
| * Paul Maupin | U of M |
| Bob Swanson | U of M |
| Greg Kujawa | U of M |
| * Paul Kopietz | U of M |
| * Don Nelson | Mechanical Data |
| * Felix Hernandez | Mosler |
| Ray Anderson | Hayes |
| * George Klein | Hayes |
| * John Bellair | Premier |
| Jim Culligan | Premier |
| Dick Carlson | HSAE |
| * Duane Blanchard | HSAE |
| * John Patterson | TAC |
| * Rich Sievers | Honeywell |
| * Woody Jensen | Poppenberger |
| John Roettger | Sheehy |
| Pat Whalen | Sheehy |
| Ken Fick | Sheehy |
| * Ralph Magnuson | Westinghouse |
| Dave Day | Honeywell |

* Not Present

REVIEW:

390. Roettger - As a separate prime contractor, we have the right to turn over our portion of the work when it is complete and have it accepted by the owner without regard to the status of the electrical and mechanical work. The main item we have left is door hardware and stairs to be corrected from the 4th floor on up and this is very nearly finished now that the hardware is almost here.

Fick - Our troubles with the hardware stem from very poor delivery and cooperation from the Von Duprin people who fabricated their door hardware for the stairs incorrectly to begin with and have now made us wait this long for the correct material. This material is supposed to be here about Tuesday of next week and replacement of the incorrect materials should begin by Von Duprin personnel the latter part of next week.

391. Hastert - We will have a shut down and then we will be able to complete all but the duct into corridor 48A.

393. Whalen - The mechanical has had his inspection.

Palla - The electrical inspection will be this afternoon.

Hughes - We have the first floor corridor scheduled to be open March 13 without fire management.

Roettger - We will probably not have the Von Duprin hardware on by then.

Culligan - The emergency generator should be completed and running by then.

Mellum - Before any system can be taken over by us we must have lighting on the 10th floor equipment room.

Kogl - The contract with Arkay is a single prime so all of Sheehy's elevator charges whether for Arkay or their subs should be sent directly to Arkay.

396. Roettger - The ceiling pads are in on the 6th floor, and the 4th floor will be completed tomorrow.

397. Hughes - Elevator #1 inspection was held on February 13th but Westinghouse came up with numerous items. If Poppenberger is complete as of today, Westinghouse can turn the elevator over on Monday.

404. Kogl - We are still waiting for Bellair's electrical schedule as he said he would have it out to us the first of February.

Culligan - I think that has blown over now as the G. C. Schedule is now good.

Kogl - I would still like to have Bellair's so that we know what his intentions are since he stated he would not work with ours but wanted to have his own schedule.

405. Roettger - The man will be here welding the stainless steel tops on Friday.

406. Roettger - We can't get anybody to provide the metal side panels for the spray booth so we have been talking about sheet rocking it.

Swanson - We will need an access panel opening.

Whalen - Hughes and I can get together on this.

410. Culligan - Work on Mod. 204 has been completed.

Mellum - We need to have a meeting with Anderson, the mechanical engineers, Sievers, as we have a problem on the absorption system that must be solved.

Anderson - Bob Nielsen is asking for something not required by the contract documents.

Kogl - Carlson please set up a meeting on this matter and get it resolved.

412. Hendricks - There is still work to be done on the connection of the "A" and "B" Units and I request again that it be finished.

414. Day - This meeting was held and everything is being taken care of.

416. Kogl - I see no reason why the taking of photos cannot be interrupted for a while and we will get some final ones taken when the job is finished.

NEW BUSINESS:

417. Fick - We are still waiting for instructions as to what to do about door coordinators which are required for 25 openings as an extra to the contract.

Carlson - Many of them were in the original specification.

Roettger - Carlson told us and Jim Fallon several times at these meetings we were all to follow the final approved hardware schedules and coordinators for those 25 openings are not included on those schedules.

Fick - Changes were made at a meeting between Warren Forsland and Straughan Hardware where some items were deleted and other items were added. Damages for which we will not be responsible are going to occur to both the hardware and the doors unless coordinators are used at these 25 openings.

Kogl - We need documentation of what changes were made and then after that we can order what additional items are necessary.

418. Roettger - Room 3-75 will have to be taken over with the floors above .

Hughes - I have issued a chart on the standing of inspections and reinspections to date.

419. Whalen - We need electrical work accomplished in the Mod. 120 area.

Roettger - At stair 'C' there is piping in the way which interferes with the placement of the light cove. As of this morning, nothing has been done about this piping.

420. Hughes - There is no reason I know of why the carpeting should not be installed on the ramp between the audiometric rooms, and we also need a test on these rooms.

421. Hughes - We would like to move some equipment into the basement. How soon can we get the punch list complete so that we can repunch?

Whalen - The end of next week with all but three items.

Swanson - We want to connect to electrical and mechanical service.

422. Kogl - Has anything been done about the metal ceilings?

Fick - Poppenberger is gathering information now - all his invoices from Hunter-Douglas show that the material is .025 inch.

Roettger - The representative from Hunter-Douglas was here and he picked up a splice plate which measured .020 inch.

Kogl - We would like to know how disruptive it would be if the material has to be changed and also what the availability of the proper material is if this is wrong. In order to confirm the thickness we will mike some of the worst looking areas.

Roettger - Electrical workers are opening some access panels and not handling them properly so they are getting bent.

423. Fallon - I request that you get Alpana completed so that I will have time to check out the window operation. The weatherstripping needs repair in some places also.

424. Anderson - Honeywell has not been able to control the humidity in the building due to the balancing not being far enough along.

SHEEHY Unit B/C - Construction Meeting Notes CONSTRUCTION COMPANY

Box 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 103 - 3/9/78

IN ATTENDANCE:

E. A. Kogl	U of M
O. W. Hughes	U of M
Stephen Greene	U of M
Jim Fallon	U of M
Jim Hastert	U of M
Wally Mellum	U of M
Joe Palla	U of M
Dick Hendricks	U of M
* Paul Maupin	U of M
Bob Swanson	U of M
Greg Kujawa	U of M
* Paul Kopietz	U of M
* Don Nelson	Mechanical Data
* Felix Hernandez	Mosler
Ray Anderson	Hayes
* George Klein	Hayes
* John Bellair	Premier
Jim Culligan	Premier
Dick Carlson	HSAE
* Duane Blanchard	HSAE
* John Patterson	TAC
* Rich Sievers	Honeywell
* Woody Jensen	Poppenberger
John Roettger	Sheehy
Pat Whalen	Sheehy
Ken Fick	Sheehy
Ralph Magnuson	Westinghouse
Dave Day	Honeywell

* Not Present

CORRECTIONS:

410. Culligan - The work on Mod. 204 is not complete yet.

REVIEW:

390. Fick - Since you have separate prime contractors on this job, no one prime should be penalized in any way because the work of another prime is not complete.

Kogl - If the work of a prime contractor is complete, then we will inspect and take over if possible even though all primes may not be finished yet. For the good of all, however, it behooves all primes to be complete at the same time.

393. Greene - I think the date can be met.

Hughes - We need direction from the mechanical engineer as to fire dampers in existing duct work.

Carlson - We agree a damper is necessary and will get the information to you.

412. Hendricks - The work is being completed. The 15th floor elevator signs are missing. Below the 6th floor some painting and light fixture repair work and installation is necessary.

405. Roettger - The stainless steel welding people feel that they can repair the countertops in place and we acknowledge that the owner wants this done prior to acceptance of the 11th and 12th floors.

418. Hendricks - What do we do if we have a fire in Unit B/C?

Roettger - The elevator is left on the 3rd floor. It just needs to be turned on. However, this elevator will be taken away soon by Westinghouse preparatory to turning it over to the owner.

422. Kogl - Has there been any further inspection of the guage of the metal ceiling?

Hughes - We have Miked the areas at the access panels and they all measured out to .025 inch.

Hendricks - The soffit under the link needs repair.

424. Hastert - The oversizing of ducts for shell space makes balancing difficult. We need a meeting with the contractors and the engineers to see why we can't get what the building was designed for.

Anderson - We have started all the units and had them running and we believe now that they belong to Honeywell. If there is any remaining problem with it, I believe it belongs mainly to Honeywell in their room 3-75.

Mellum - We need input from Honeywell as to what the problems are so we can start to solve them.

Kogl - All of your systems must be running properly and complete before they can belong to Honeywell. So far as the humidity in the building is concerned and the balancing, we had Joe McCormick with us primarily to take care of this area but now since we do not have his services and since Bob Nielsen is having difficulty now also, we are handicapped in this area now and solicit cooperation and suggestions from all concerned in order to fill the void. Hughes, please set up a meeting for early next week to tackle this problem now.

NEW BUSINESS:

425. Fick - We received a letter from Sonic Alarm advising that they planned to terminate their security alarm system on this project effective March 31, 1978.

Kogl - I ask Mellum and Hughes to set up a meeting so that we can find out what is under fire management control now.

426. Fick - Sander will be spraying glazed wall coating in the west area beginning next week. Has anything been done with the ventilation so as to minimize the possibility of the odor entering Mayo Hospital and creating a problem there?

Greene - Sheehy and Hayes must be complete so we can minimize air leakage to Mayo. Only the odor is involved not dust.

Mellum - The exhaust fan for this area has been running.

Hastert - So long as it is just for odor, the ventilation fans can be used for this purpose.

427. Fick - We again request as we have several times in the past that you do not put items on the punch list which are not required by the contract documents. One item I notice lately called for us to shorten the electric cords for the film illuminators. The illuminators we furnished exactly as called for in the specifications and approved on the shop drawings. There are 75 illuminators and frankly to shorten the cords for all of them would be an expensive job.

428. Fick - It was four weeks ago today when we were directed by the owner to stop work on the floors in the ambulatory surgery area on the first floor and this matter has not been resolved yet. I suggest we have a meeting following this meeting with the appropriate people present to discuss this item.

429. Fick - There is a problem with the thumb turn hardware on the job and I understand that about 300 or more of them are involved. We furnished what was specified and we need owner input now to decide what to do.

Kogl - It looks as though the spring in each one may have to be removed and we will check this out among ourselves and Dick Carlson and get back to you with our decision.

430. Fick - Westinghouse wants elevator #5 back now so we are going to try to get along with Arkay in elevator #1. If it develops that we need another elevator, can we get one back again from the owner after the University has accepted all of them from Westinghouse?

Kogl - Yes, I believe so but you would have to protect it of course.

Magnuson - I believe it will be about 4 weeks before we have car 5 ready to turn over but either that car or one of the 7 - 8 - 9 bank can be used by Sheehy if the owner is willing. In any event we want all of this to be after the owner has taken over the cars from us.

431. Hughes - We need clean up outside so that Bachman can start planting trees - this must be done in the spring planting season.

432. Hughes - We had a letter from Premier complaining that the Phase II contractors are damaging work put in place by the Phase I contractors. Do you want the temporary walls put up which were called for in the Phase II work?

Roettger - I talked to Dick from Arkay and he agreed to have an electrical service put down to the 8th floor and also to clean up the area. He also will pay for any damaged outlets.

433. Swanson - We need some barricades on the plaza area underneath the link while glazing in the bridge is going on.

434. Carlson - On the Mayo Link there seems to be more inconsistency in the color of the panels than what we expected. Alpana's installer should have checked the placement of individual panels so that this would be less noticeable. I am concerned about snow in the bottom of the link.

Roettger - We will try to blow this out.

435. Hendricks - We have a safety problem in the mezzanine in that there should be some alarms in the area. I request that Bob Swanson check this out. We would like to install the lockers on the 2nd floor of Unit 'B' alcove area. Do we have a keyed system in the elevator for the 10th floor?

Magnuson - Yes you can put in a construction cylinder.

436. Fallon - I request that Sheehy sets up a schedule for the site grading. I suggest also that any outstanding Modifications be submitted without delay.

437. Mellum - I request that Premier get Mod. 202 signed and back to us and I would like to see the damaged light ballard on West Delaware be repaired or else the electric power turned off.

Fick - This is the 2nd or 3rd light bollard which has been damaged now and we are unable to find out who the guilty party is. These light bollards should have been accepted by the owner previously.

Hughes - If you get all of the light bollards in proper condition, we will accept them and accept the responsibility for them.

MOD.	DESCRIPTION	CONTR	DATE ISSUED	STATUS
51-P	Floor sleeves to alleviate spilled or over-flow liquid migration between floors.	General Mechanical Electrical	9/1/76	Electrical to quote
66-P	Revise provisions for electrically locked unlocked exit devices & electro-magnetic hold	General Electrical	11/10/76	Electrical T & M
72-P	Revise and clarify temporary electrical service installation	Electrical	12/3/76	U of M Evaluate
80-P	Revisions to electrical specs & drawings	Electrical	1/10/77	Electrical to requote
86-P	1st floor east power revisions in various rooms	Electrical	1/10/77	T & M
87-P	Revisions - see modification	Electrical	1/10/77	T & M
88-P	Refer to Mod. Electrical drawing sheet E-24 for revisions	Electrical	1/10/77	HSAE/UM to Evaluate
123-P	Modify the Unit B/C Plaza substrate design.	General	3/25/77	U of M Evaluate
128-A	Stair G	Mechanical General	3/29/77	Mechanical T & M
136-A	Aud. seating	General Electrical	4/14/77	U of M to Evaluate.
150-E	Mechanical work for MTS	Mechanical	7/20/77	Contractor to sign
165-P	All provisions for intrusion system	General Electrical	8/5/77	Gen. & Elec. T & M

SHEEHY CONSTRUCTION COMPANY

FILE

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/438-6691

MINUTES OF JOB MEETING - UNIT B/C # 104 - 3/23/78

IN ATTENDANCE:

* E. A. Kogl	U of M
O. W. Hughes	U of M
Stephen Greene	U of M
Jim Fallon	U of M
Jim Hostert	U of M
Wally Mellum	U of M
Joe Palla	U of M
Dick Hendricks	U of M
Paul Maupin	U of M
Bob Swanson	U of M
Greg Kujawa	U of M
* Paul Kopietz	U of M
* Don Nelson	Mechanical Data
* Felix Hernandez	Mosler
Ray Anderson	Hayes
* George Klein	Hayes
John Bellair	Premier
* Jim Culligan	Premier
Dick Carlson	HSAE
* Duane Blanchard	HSAE
* John Patterson	TAC
Rich Sievers	Honeywell
* Woody Jensen	Poppenberger
John Roettger	Sheehy
* Pat Whalen	Sheehy
Ken Fick	Sheehy
* Ralph Magnuson	Westinghouse
Doug Olson	Premier

* Not Present

CORRECTIONS:

431. Hughes - Planting must be done before the spring planting season not during it. The elevator workers on the heat shaft on the east side of Unit C are parking on Sheehy's sidewalk and in the planting area to the east of it. I will see to it that this parking is stopped.

REVIEW:

424. Hughes - The meeting with department heads and field personnel is working out well. The decision is to get all equipment operating and take care of design problems later. The meetings set up by Ray Anderson are held at 8 a.m. daily and bring all problems to a head so that decisions can be made. The equipment must be operating.

393. Carlson - Fire dampers are needed and I have submitted Mod. 215 to the owner for this item which affects mechanical only.

* 428. Fick - It was six weeks ago today on which our work on the floors of the one day surgery area on the first floor was stopped by the owner. We are still waiting for this to be resolved and for our notice to proceed.

429. Greene - We have agreed to accept the thumb latch, remove the return spring and use a different rosette. How about the bathroom latch?

Roettger - On the remaining thumb latches to install we are deleting the springs and changing the rosettes to the correct one. Straughan Hardware will make the corrections to the installation which has been completed so far. So far as the bathroom latch is concerned, the problem is that some of the hardware items specified here do not work. Straughan is working on a solution to this problem now.

430. Fick - The joint use of elevator #1 is a temporary situation and I asked Doug Olson to inform John Bellair of that fact.

Hughes - We plan to have elevator #6 by April 15 and return it to the contractor if desired.

432. Roettger - The superintendent of Arkay, Dick, said that if they damage any outlets they will make replacements.

435. Hendricks - Shoeffler says that there is need for another exit from the mezzaine. Also we expect the locker installation by our people to start on March 27th on the 2nd floor.

Carlson - We are looking at a 2'8" x 6'0" door to add in the mezzanine area.

437. Mellum - I have not seen Mod. 202 yet. Honeywell has been turned loose now.

Day - Yes, we finally have the graphics which the owner has held up and we are now trying to complete.

Mellum - What about the light bollards?

Roettger - We will replace the broken bollards one time but they have already been in use for one year and the owner has had the benefit of these lights for that time. We had a walk through of West Delaware several times but the bollards were not mentioned on the punch list. We want an inspection on the bollards now.

NEW BUSINESS:

438. Hastert - We are waiting for the mechanical to quote Mod. 200.

Anderson - We will quote the first part but it will take 16 weeks to get the equipment and we will not be on the job. Maybe your Phase II contractor can quote it. Kline will not quote the second part. The price of the first pump is in our office now and after we submit the price the work would take one day. It would be much too costly to set up and retool for one pump.

Mellum - We should have a standby and there should be a special meeting set up for this item.

Carlson - We need the complete price now.

439. Roettger - Sheehy has had the 14th floor accepted now. We are going to turn over every floor that we have complete and not wait for the other primes since we are not obligated to.

440. Hughes - We have a memo regarding the use of the Delaware turnaround for taxi use.

Kujawa - We want to put the phones back into service.

Roettger - Go ahead because they have been doing it for the last year.

441. Carlson - What about the work on category 2 of Mod. 197?

Fick - The hardware you specified in the Mod. for this item does not work and you will have to aid us in improvising something that will enable the personnel to operate this section of the top and be satisfied with it.

442. Mellum - What about the operation of the existing sonic alarm system?

Greene-Kogl is not worried about intrusions but does want fire protection. He says the system discussion on occupying will be made by March 31st.

Day - You will have graphics on March 30th.

Hughes - We should have parts of all system. What are we going to be short after March 30th if anything?

Olson - I will check into this. The late date is not a problem of Honeywell.

Fick - This project was supposed to be completed last November and it seems to us that Premier and Honeywell should have had the fire management system in operation long before this. There should be no excuses now.

443. Fallon - We need the keys for the rolling shutters in the telephone cabinets. Who is going to change the cores in the cylinders?

Hendricks - The people who are going to do the changing of the cores in the door locks for us do not have those items in their contract.

Roettger - Obviously then it is a matter that the owner will have to resolve .

Fallon - You have a rolling shutter in the basement that locks with a pad lock but it should have a cylinder lock.

Fallon - We need a list of locks and cylinders.

Fick - Why not write me a letter explaining what you need and we will follow up with a response to you.

Fallon - What about the pavers in the street?

Fick - We are on record that the installation will not stand up for the use for which it is going to be put but we have been told to install the pavers any way and when the weather permits this will be done.

444. Hendricks - The switching of the corridor lights - can this be moved from room 3-75 to Unit A?

Olson - The job is not engineered this way and to do so would be a great cost to the owner.

Carlson - I will check with Gary Hall and get in touch with Hendricks.

445. Hendricks - Can the door location be changed in the corridor on the first floor? What about the plaza leak at Unit A? I remind you again also that the angle holding screws for cylinders should be left out.

Carlson - I will look into the door location in the first floor corridor.

Greene - So far as the plaza leak is concerned, wait for the expansion joint cover to be installed.

Roettger - We have told our people to leave the screws you refer to out but I imagine they might have missed a few.

446. Greene - The weatherstripping on the exterior doors is not just per the specifications but Carlson agrees it is acceptable. You may need an astragal on some doors.

Roettger - We are installing now and I will let you know if we have any problems. We need the follow up letter from the A. J. Spanjers Company for this work.

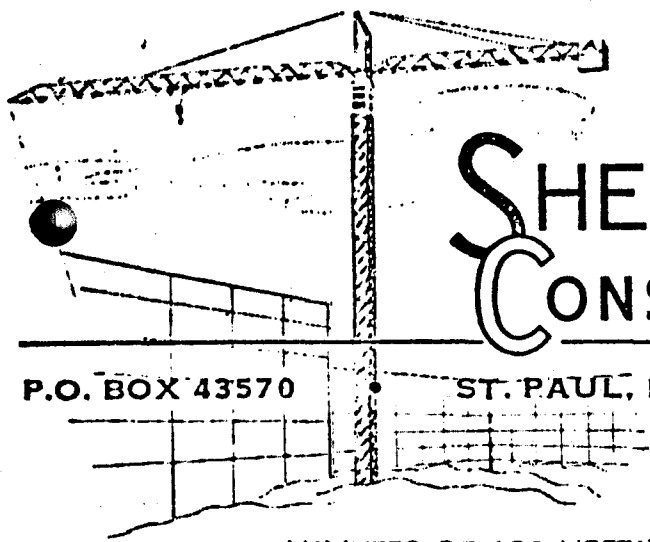
447. Roettger - The wood door for room 3-75 was made wrong and should be changed. The bevel of the door is wrong for the swing.

Hendricks - Notify me when you have the new door and the hardware installed. We will then install the E-5 core.

Hughes - We should have supply air into room 3-75.

Anderson - We will accomplish.

MOD.	DESCRIPTION	CONTR	DATE ISSUED	STATUS
51-P	Floor sleeves to alleviate spilled or overflow liquid migration between floors.	General Mechanical Electrical	9/1/76	Electrical to quote
66-P	Revise provisions for electrically locked unlocked exit devices & electro-magnetic hold	General Electrical	11/10/76	Elec. T & M
72-P	Revise and clarify temporary electrical services installation	Electrical	12/31/76	U of M Evaluate
80-P	Revisions to electrical specs & drawings	Electrical	1/10/77	Elec. to quote
86-P	1st floor east power revisions in various rooms	Electrical	1/10/77	T & M
87-P	Refer to Mod. Electrical drawing sheet E-24 for revisions	Electrical	1/10/77	T & M
123-P	Modify the Unit B/C Plaza substrate design	General	3/25/77	U of M Evaluating
128-A	Stair G	Mechanical General	3/29/77	Mechanical T & M
150-E	Mechanical work for MTS	Mechanical	7/20/77	Contractor to Sign
165-P	All provisions for intrusion system	General Electrical	8/5/77	Gen & Elec. T & M
200-E	Replace pumps in small cooling tower for Enviromental condensing rooms	Mechanical	2/23/78	Contractor to Quote
201-E	West Plaza Planter Revision from brick to exposed aggregate	General	3/9/78	Contractor to quote



*De modo 2014 217
for...*

Inlet Ave.

SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570 • ST. PAUL, MINNESOTA 55164 • PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 105 - 4/6/78

IN ATTENDANCE:

- | | |
|------------------|-----------------|
| *E. A. Kogl | U of M |
| O. W. Hughes | U of M |
| Stephen Greene | U of M |
| Jim Fallon | U of M |
| Jim Hastert | U of M |
| Wally Mellum | U of M |
| Joe Palla | U of M |
| Dick Hendricks | U of M |
| * Paul Maupin | U of M |
| Bob Swanson | U of M |
| Greg Kujawa | U of M |
| *Paul Kopietz | U of M |
| *Don Nelson | Mechanical Data |
| *Felix Hernandez | Mosler |
| Ray Anderson | Hayes |
| *George Klein | Hayes |
| *Fred Jahnkem | Premier |
| Doug Olson | Premier |
| Dick Carlson | HSAE |
| *Duane Blanchard | HSAE |
| *John Patterson | TAC |
| Dave Day | Honeywell |
| *Woody Jensen | Poppenberger |
| John Roettger | Sheehy |
| *Pat Whalen | Sheehy |
| Ken Fick | Sheehy |
| *Ralph Magnuson | Westinghouse |

* Not Present

CORRECTIONS:

432. Roettger - The superintendent of Arkay said that if they damaged any outlets, ceiling tile, floor tile, wall finish, piping, mechanical equipment, etc., they would make repairs. ~~If~~ ^{is} this better Mr. Anderson?

437. Fallon - Sheehy has also had use of the bollards for site lighting.

Roettger - We have had a punch list now and are correcting the items. Babcock will deliver 3 new bollards.

REVIEW:

429. Fick - What is happening with the thumb latches?

Roettger - We are working on them.

✓438. Fick - What has happened? (price will be in today and 200)

Anderson - We have quoted A only.

Hughes - No others have been asked to quote.

Carlson - Kline will quote the last part and Arkay will quote the second part.

Anderson - How about Control Panel?

Carlson - The control panel is in the electrical portion of the Mod being quoted.

Mellum - We need an accurate description of this.

Carlson - This has not been done. I will talk to Gary Hall and get back to you Wally.

✓439. Hughes - The 14th floor is acceptable as stated.

✓440. Hughes - Kogl vetoed this and the Hospital also vetoed it.

Green - The area must be checked out first.

✓441. Carlson - Can we get your quote soon, Ken?

Fick - Yes, we will get it together.

Fick - Does anyone have questions on the Sonic Alarm?

Green - Have you reinstalled?

Fick - It was never taken out but we rehung the speakers.

Day - You have no fire protection.

Hendricks - Sound only.

Fick - Day, when will you have systems ready?

Olson - Systems cannot be completed until the West area is complete.

Roettger - The temporary graphics that Seivert promised have never been completed.

Hughes - When are we going to have graphics?

Day - In about 3 weeks they should be complete.

Olson - Wally, are the slides that you have seen acceptable?

Mellum - They are not. You cannot read them on the projector.

Day - The projector must have the lens cleaned. There is too much dust in the area.

Roettger - The S-2 unit is to be running and pressurize Room 3-75.

Day - We have a negative pressure in the room so the unit cannot be operating.

Mellum - This was to be resolved yesterday.

Hughes - Hastert will check out tomorrow.

Mellum - Graphics are not settled yet.

Roettger - Get them installed and lets get going. The problem is that no one knows what they want. This is the second system like this in the country and the first one never has worked.

✓443. Fick - Has this been settled?

Roettger - Swanson is handling.

Greene - The folding partition should be included.

Fick - I will contact Mahin Walz.

✓444. Carlson - I have talked to Gary Hall and he will be talking to Hendricks.

✓445. Carlson - No, the door cannot be changed.

Swanson - People must use the second floor. (*in regard to ped. traffic in the first floor tunnel.*)

✓446. Roettger - I have talked to Spanjers and they will send the letter. Who is responsible for the astragal.

Carlson - The person who made the weatherstrip changes should furnish it.

✓447. Roettger - Has been completed.

Hendricks - Is it okay to install E-5 lock now.

Roettger - It is okay.

NEW BUSINESS:

✓448. Roettger - Acceptance of the building ^{SYSTEMS} seems to be a big problem. I have heard that the owner has no one available to operate the building.

Hughes - It is up to the construction office to accept it.

Roettger - When?

Hughes - As soon as the systems are operating.

Roettger - Kogl agreed on August 22, 1977 that the systems could be operated manually and the building accepted. We, the General Contractor, should not be penalized because the other primes are late.

Hughes - I agree, we will start accepting as you are ready.

Roettger - Small items will not hold you from acceptance.

Hughes - That is correct.

✓449. Fick - What is happening with the windows?

Roettger - Alpana is on the job making corrections. They have been very slow in getting repairs done. Fallon is not the easiest person to satisfy.

✓450. Fick - When will Honeywell be ready with systems and graphics?

Day - In about three weeks.

Fick - Why weren't you ready in November of 1977?

Day - The owner made many changes in the graphics and has just made up their mind on what they want.

Fick - I thought the construction department was to accept.

✓451. Anderson - We need your acceptance of the Basement, 10th and 15th floors. We are all checked out and want to turn our systems over to the owner.

Hughes - We can start acceptance now.

Roettger - This could have been done already if you would have accepted the manual systems as Kogl had suggested earlier.

Olson - Basement will be a Pilot program. What is found wrong in basement, you will also find on 10 & 15.

Hastert - We will be doing. How about Fume Hood tests?

Fick - Tests are scheduled for April 10, 1978. Your office was notified.

Hastert - Mechanical should be involved.

Hughes - Len Coombs of Hamilton has it all lined up.

✓452. Olson - Should Mod. 51 be requoted?

Carlson - Bellair said that he would requote it at the end of the job. I guess we are about there but Bellair is gone.

✓453. Hughes - When will we have voice alarm in the Basement?

Olson - We will demonstrate on Friday.

Mellum - It should be checked today.

Hughes - Want alarm in Unit A to call attention to operator.

Day - Beepers go off. That is all you are going to have when system is complete.

Hendricks - How about the Remote Enunciator?

Mellum - Voice alarm at 1:30 today. Sprinkler flow is now monitored and exposed wires enclosed.

Roettger - Premier clean inside of room 3-75 and we will take care of the outside of the room.

Greene - Olson will you turn off all power to lobby doors so they will stay shut.

Olson - We will do.

✓454. Carlson - Fick - will you submit price on the lift up gate on Mod. 197?

Fick - I will take care of it.

✓455. Fallon - As long as we are completing the project, how about submittals, payroll affidavits, maintenance manuals, etc.?

Hughes - If we do not have your maintenance manuals, your retainage will be held.

✓456. Mellum - Everything can be turned on in the basement.

Day - We are going to turn it all on.

Hughes - It is the owners responsibility to do so.

Olson - It can all be turned on but the owner should not recognize or acknowledge the Ionizers in the basement.

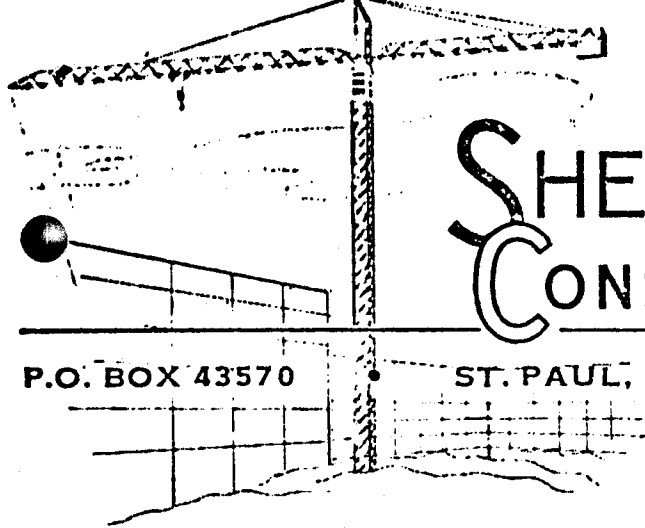
Mellum - Simply, we should turn on for check out but not keep running.

Hughes - Turn on and get checked out.

Mellum - Notify Hendricks if any welding or burning is going on or we will have a lot of false alarms.

O.D.	DESCRIPTION	CONTR	DATE ISSUED	STATUS
51-P	Floor sleeves to alleviate spilled or overflow liquid migration between floors.	General Mechanical Electrical	9/1/76	Electrical to quote
66-P	Revise provisions for electrically locked unlocked exit devices and electro-magnetic hold	General Electrical	11/10/76	Electrical T & M
72-P	Revise and clarify temporary electrical services installatinn	Electrical	12/31/76	U of M Evaluate
80-P	Revisions to electrical specs & drawings	Electrical	1/10/77	Elec. to quote
86-P	1st Floor east power revisions in various rooms	Electrical	1/10/77	U ofM to Advise H.S.A.E.
87-P	Refer to Mod. Electrical drawing sheet E-24 for revisions	Electrical	1/10/77	U/M to Advise H.S.A.E.
123-P	Modify the Unit B/C Plaza Substrate design	General	3/25/77	U/M Evaluating
128-A	Stair G	Mechanical General	3/29/77	Mechanical T & M
150-E	Mechanical work for MTS	Mechanical	7/20/77	Contractor to quote
165-P	All provisions for intrusion system	General Electrical	8/5/77	Gen. & Elec. T & M
200-E	Replace pumps in small cooling tower for Environmental condensing rooms	Mechanical	2/23/78	H.S.A.E. Evaluating
201-E	West Plaza Planter revision from brick to exposed aggregate	General	3/9/78	Contractor to quote

) D.	DESCRIPTION	CONTR	DATE ISSUED	STATUS
1-E	Modify electrical contract to include hook up of controls for chiller equipment	Electrical	1/3/78	U/M Evaluating
5-E	Substitute joy van axiel fans in lieu of centrif. fans specified	Mechanical	1/3/78	Contractor to sign
2-A	Installation of electrical items E-29, Rm 2092	Mechanical	3/3/78	T & M
5-A	Add a fire damper to existing supply duct	Mechanical	3/29/78	Mechanical to quote
6-E	Provide and install 12" x 16" exhaust duct Room 1-384	Mechanical	3/29/78	Mechanical to quote
18-E	Adjust allowance for T & M on Mod. 152	General	4/7/78	Contractor to sign
19-E	Additional work items	General	4/7/78	Contractor to sign
20-P	Revice certain door and wall colors	General	4/10/78	Contractor to sign
21-P	Install wall on 7th Floor	General	4/14/78	Contractor to sign



SHEEHY CONSTRUCTION COMPANY

*Letter re: users of
the building
All new tests included
the last what way.*

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 107 - May 4, 1978

IN ATTENDANCE:

E. A. Kogl	U of M
O. W. Hughes	U of M
Stephen Greene	U of M
Jim Fallon	U of M
Jim Hastert	U of M
Wally Mellum	U of M
Joe Palla	U of M
Dick Hendricks	U of M
* Paul Maupin	U of M
* Bob Swanson	U of M
Greg Kujawa	U of M
* Paul Kopietz	U of M
* Don Nelson	Mechanical Data
* Felix Hernandez	Mosler
Ray Anderson	Hayes
* George Klein	Hayes
Fred Jahnke	Premier
Doug Olson	Premier
Dick Carlson	HSAE
* Duane Blanchard	HSAE
* John Patterson	TAC
Dave Day	Honeywell
* Woody Jensen	Poppenberger
John Roettger	Sheehy
Pat Whalen	Sheehy
Ken Fick	Sheehy
* Ralph Magnuson	Westinghouse

* Not Present

CORRECTIONS

- ✓438. Anderson - Mod. number 120 should read Mod. 200 instead.
- ✓439. Hughes - We referred to acceptance not completion.
- ✓470. Olson - This should read Mayo rather than Unit A.

REVIEW

- ✓438. Carlson - So far as Hayes Contractors is concerned there is no problem with Mod. 200.
- ✓441. Carlson - The hospital is reviewing Sheehy's modified cost breakdown of modification 197 and we will have an answer this week. (DONE)
- ✓442. Kogl - We are getting graphics O K'd now; Honeywell will have them shortly. Then they need to make one up for approval. If we move in on 11 and 12 we will need fire protection.

Olson - After approval we will need two weeks to complete the system. The problem is not all Premier, Honeywell is trying when they get information.

Mellum - After the graphics are completed we will need the instruction book. As of yesterday we have night message on tape to basement. This whole fire management system is a very complicated one and it is not all explained on or covered by the drawings and specifications.

- 451. Hendricks - We are monitoring floors 10 and 15 now using the data center.

Mellum - We are still relying on a print-out to reveal any valves being opened. The trash chute and hi-rise equipment room are not completed yet.

Olson - This is all wired; but there is no way to demonstrate.

Hastert - We need this as a code requirement.

Anderson - I will coordinate this. All sprinklers are on and flow switches are on and working.

- ✓460. Roettger - Since the carpet layers are on strike we may have a problem with the carpeting being in the way in the auditorium.

Hughes - We will set a date when it will become a problem and the University will have to move after that.

Olson - We will start work on the aisle lights next Monday.

- 461. Greene - The telephone kiosks will remain stained.

- ✓463. Hendricks - The lock is in place on the 10th floor stair D; but the problem is with fire management system. Locks do not function properly.
- Kogl - We need to get to the bottom of this to see if we have a maintenance problem.
- Roettger - I will follow up on this to make sure that the hardware supplied accomodated the voltage it was supposed to.
467. Olson - I am working with the supplier to change the movie screen switches if appropriate.
470. Olson - All but one of the telephone boxes are installed in the stairways. I will get together with the painting contractor for painting requirements.
- ✓472. Greene - We are waiting for the State to specify what we need.
- Hendricks - We need smoke controlled dampers - not heat controlled as we have now.
- Carlson - I will check on this and get back to you.
- ✓468. Roettger - Of the three planters affected by Mod. 201 part of them have the blacktop in now and if the Mod. proceeds it will be necessary to take it out.
- Kogl - The understanding is that you would blacktop through these planting areas in order to hold the grade.
- Roettger - We discussed this with Hughes, Fallon and Kujawa before placing the blacktop.
- Fick - We will quote Mod 201 either tomorrow or Monday.

NEW BUSINESS

- ✓474. Fick - We will prepare a credit proposal to the owner for leaving the under counter refrigerator doors white rather than using the painted metal insert.
- ✓475. Roettger - We need a letter from HSAE or the University stating that the caulking around windows will be acceptable.
- Greene - We are waiting for a letter from HSAE and will then give you the details. If windows are not on a punch list, they have been accepted.
- ✓476. Greene - We have agreed that Sheehy can remove sonic alarm from buildings B and C, but not from the house. The U of M police will patrol and check B and C.

✓477. Roettger - We are still waiting for the date from the University when Dr. Najarian will move so that we can finish our work in Mayo hospital at the west end of the Mayo link. JUNE 15 & 16, 78

Kogl - This is being controlled now by fire management and interiors, and we are trying to advance the dates. We will advise you.

✓478. Roettger - The casework being stored on the first floor corridor is for first floor west.

Hughes - U of M personnel are not to use any elevators in unit B/C. The owner would like to have the first floor west as soon as possible.

Anderson - Wally Mellum must work with us so the fire management will be complete when we are.

Olson - If we get graphics and owner approval on everything I still cannot be done in that area in two week's time.

✓479. Kogl - The metal soffit on Delaware Street needs attention in two places - It seems badly kinked.

✓480. Kogl - The meeting we required on graphics was held.

May - We need to get the results of that meeting so that we can get going.

O.D.	DESCRIPTION	CONTR	DATE ISSUED	STATUS
51-P	Floor sleeves to alleviate spilled or over-flow liquid migration between floors.	General Mechanical Electrical	9/1/76	Electrical to quote
66-P	Revise provisions for electrically locked unlocked exit devices and electro-magnetic hold.	General Electrical	11/10/76	Electrical T & M
72-p	Revise and clarify temporary electrical services installation	Electrical	12/31/76	U of M Evaluate
80-P	Revisions to electrical specs & drawings	Electrical	1/10/77	Electrical to quote
86-P	1st Floor east power revisions in various rooms	Electrical	1/10/77	Sent to contractor to sign
87-P	Refer to Mod. Electrical drawing sheet E-24 for revisions	Electrical	1/10/77	U/M to Advise H.S.A.E.
123-P	Modify the Unit B/C Plaza substrate design	General	3/25/77	U/M Evaluating
128-A	Stair G	Mechanical General	3/29/77	Mechanical T & M
150-E	Mechanical work for MTS	Mechanical	7/20/77	Contractor to sign
165-P	All provisions for intrusion system	General Electrical	8/5/77	Gen. & Elec. T & M
200-E	Replace pumps in small cooling tower for Environmental condensing rooms	Mechanical	2/23/78	H.S.A.E. Evaluating
201-E	West Plaza Planter revision from brick to exposed aggregate	General	3/9/78	Contractor to sign

O.D.	DESCRIPTION	CONTR	DATE ISSUED	STATUS
204-E	Modify electrical contract to include hook up of controls for chiller equipment	Electrical	1/3/78	U/M Evaluating
205-E	Substitute joy van axiel fans in lieu of centrif. fans specified	Mechanical	1/3/78	Contractor to sign
212-A	Installation of electrical items E-29, Room 2-92	Mechanical	3/3/78	Mechanical T & M
215-A	Add a fire damper to existing supply duct	Mechanical	3/29/78	Contractor to sign
216-E	Provide and install 12" x 16" exhaust duct Room 1-384	Mechanical	3/29/78	Mechanical to quote
218-E	Adjust allowance for T & M on Mod. 152	General	4/7/78	Contractor to sign
219-E	Additional work items	General	4/10/78	Contractor to sign
220-P	Revise certain door and wall colors	General	4/10/78	Contractor to sign
221-P	Install wall on 7th floor	General	4/14/78	Contractor to sign
222-E	Basement Mezz. mechanical room emergency door added for safety precaution	General	4/20/78	Contractor to sign

Unit B/C - Construction FILE
Meeting Notes June 5/78
Paul

SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 108 - May 18, 1978

IN ATTENDANCE:

*E. A. Kogl	U of M
O. W. Hughes	U of M
Stephen Greene	U of M
Jim Fallon	U of M
Jim Hastert	U of M
Wally Mellum	U of M
Joe Palla	U of M
Dick Hendricks	U of M
Paul Maupin	U of M
Bob Swanson	U of M
Greg Kujawa	U of M
*Paul Kopietz	U of M
*Don Nelson	Mechanical Data
*Felix Hernandez	Mosler
Ray Anderson	Hayes
*George Klein	Hayes
Fred Jahnke	Premier
Doug Olson	Premier
Dick Carlson	HSAE
*Duane Blanchard	HSAE
*John Patterson	TAC
Dave Day	Honeywell
*Woody Jensen	Poppenberger
John Roettger	Sheehy
*Pat Whalen	Sheehy
Ken Fick	Sheehy
*Ralph Magnuson	Westinghouse

* Not Present

RECEIVED

JUN 2 1978

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

CORRECTIONS:

472. Hendricks - The heat dampers are okay. There are part of fire management.

REVIEW:

442. Day - We have a meeting set up for tomorrow morning on graphics.

460. Fick - The carpet and floor tile layers who have been on strike since May 2nd returned to work today under a tentative agreement. The lathers who also have been on strike since May 2nd are in the process of settling now and it is anticipated that they will be back on the job by Monday, May 22nd.

475. Hughes - Sheehy has received a letter stating that the proposal concerning the caulking around the windows is okay.

Roettger - Alpana is on the job now and will be doing the work shortly.

477. Fick - We have been advised that it will not be until the weekend of June 15th to 18th that Dr. Najarian will vacate his offices in the Mayo building. This creates a great delay to the completion of our work since we had Dr. Najarian's new suite on the 11th floor of the 'C' Building ready for him more than 3 months ago so far as our work was concerned.

Olson - I would like to have the ceiling runners installed in the Mayo Link so that I can install lights and fire management installation.

Roettger - I will try to get that work done.

479. Greene - I request that you check with Poppenberger and find out what is wrong with the metal soffit on Delaware - why it happened and what he plans to do to correct it.

NEW BUSINESS:

481. Fick - The new time set up for the testing of the 3 R.F. Shielded Rooms is at 1:00 p.m. on June 5, 1978 by the Ray Proof Corporation.

Greene - I request that you schedule also the testing of the audiometric rooms.

482. Roettger - We have a problem with the elevator in that the U of M personnel are using them contrary to established procedure. Perhaps it would be appropriate to add another elevator and have Hayes and Premier share the established monthly maintenance cost.

Mellum - This would have to be coordinated with Westinghouse as they still have work to complete on their contract.

Swanson - I will issue another letter to department heads again and explain the procedure that U of M personnel are supposed to be using the elevators in the 'A' Unit.

483. Hughes - Donald Herron is the Safety & Health Professional at the Boynton Health Service and has written the memorandum dated May 15th concerning occupancy on the 11th and 12th floors. A copy of his memo is attached to these Minutes.

Maupin - We will move 5 days from the date on which the Certificate of Occupancy is obtained.

484. Olson - (to Swanson) We are working on the aisle lights in the Auditorium. The power pack was damaged during testing and we are waiting for a replacement. We can work the lights in the meantime, however, without the replacement.

Mellum - Can you give us a particular thing that you need operational for these tests?

Greene - We will need a Certificate of Occupancy for the Auditorium also - so we need inspection.

485. Greene - (to Swanson) We are painting and placing ceiling tile in the Radiology area.

Olson - I am short some covers for that area but they should be here today and I will get them on as soon as possible.

486. Carlson - Mods. 150 and 205 are to mechanical for signature and I request that Hayes expedite their return. Mod. 187-E shows connection to be on west side of core not south side.

Anderson - I will check to see why.

487. Mellum - Fire management is not acceptable as of today. Supervisory smoke detectors do not work.

488. Hendricks - The caulking is coming loose on the first floor soffits. The interface work needs more attention by electrical and painting. Group II equipment installed by Unit B/C mechanical contractor is not working properly - I refer to 3 chillers for basement water.

Swanson - Contact Warren.

Anderson - They are hooked up properly.

UNIV. HEALTH SERVICE
ENV. HEALTH SAFETY
410 CHURCH ST. S. E.
MINNEAPOLIS, MN. 55455



May 15, 1978

Memorandum

To: Paul Maupin, Coordinator, Health Science Planning Office, 4104 Powell Hall, East Bank Campus

From: Donald Herron, Safety and Health Professional, Department of Environmental Health and Safety, Boynton Health Service

Subject: Occupancy Approval, 11th and 12th Floor Unit B (Link)

An inspection made May 12, 1978, indicates that occupancy approval of the subject space is dependent upon the following conditions and completion of the following requirements.

Understood Conditions

1. One elevator is available to serve the floors, it does return to the third floor upon fire alert.
2. Most of the stairtower electric locks are operational and will unlock upon fire alert, the few locks which are not operational fail safe.
3. The eye wash fountain and safety showers are functional and will be usable when the area is occupied.
4. The chemical fume hoods which do not meet specifications will be secured against use and the users will be advised of unsuitability for use.
5. A secured key to allow fire department access after hours will not be required until experience dictates otherwise.

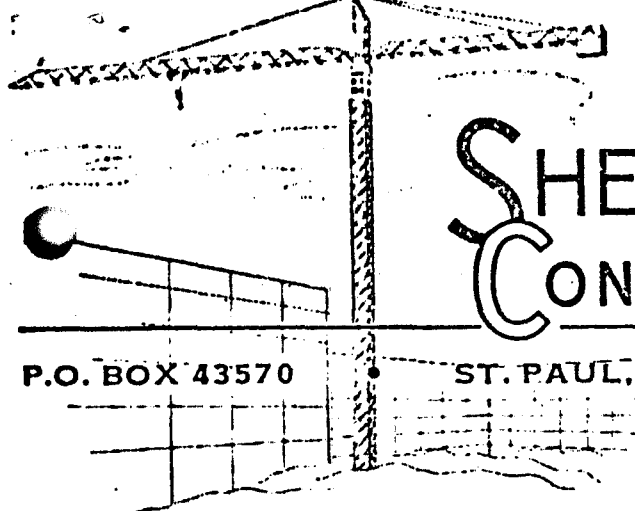
Requirements

6. The hold open capability on the elevator lobby door closures must be negated so the doors are kept closed. When the change is made whereupon the doors close when the fire alarm is activated the closures may be readjusted to allow hold open.
7. A numerical index is required for the entire building so that the points identified by the printer can be found in sequential order within the index. The index must contain at least the floor that the point applies to. Supplemental information is recommended; for example, water flow alarm, smoke detector, dust detector, etc.
8. The exit signs on the 12th floor must be illuminated.
9. The lockable hardware between Unit B and Unit C must be converted to allow free passage at all times to Unit A from Unit C. A break-the-box type hardware is permissible if security is mandatory.

) D.	DESCRIPTION	CONTR	DATE ISSUED	STATUS
51-P	Floor sleeves to alleviate spilled or over-flow liquid migration between floors	General Mechanical Electrical	9/1/76	Electrical to quote
66-P	Revise provisions for electrically locked unlocked exit devices and electro-magnetic hold.	General Electrical	11/10/76	Electrical T & M
72-P	Revise and clarify temporary electrical services installation	Electrical	12/31/76	U of M Evaluate
80-P	Revisions to electrical specs & drawings	Electrical	1/10/77	Elec. to quote
86-P	1st Floor east power revisions in various rooms	Electrical	1/10/77	Processing
87-P	Refer to Mod. Electrical drawing sheet E-24 for revisions	Electrical	1/10/77	U/M to Advise H.S.A.E.
123-P	Modify the Unit B/C Plaza substrate design	General	3/25/77	U/M evaluating
128-A	Stair G	Mechanical General	3/29/77	Mechanical T & M
150-E	Mechanical work for MTS	Mechanical	7/20/77	Contractor to sign
165-P	All provisions for intrusion system	General Electrical	8/5/77	Gen. & Elec. T & M
200-E	Replace pumps in small cooling tower for Environmental condensing rooms	Mechanical	2/23/78	Processing
201-E	West Plaza Planter revision from brick to exposed aggregate	General	3/9/78	H.S.A.E./U of M Eval.

O.D.	DESCRIPTION	CONTR	DATE ISSUED	STATUS
204-E	Modify electrical contract to include hook up of controls for chiller equipment	Electrical	1/3/78	U/M Evaluating
205-E	Substitute joy van axiel fans in lieu of centrif. fans specified	Mechanical	1/3/78	Contractor to sign.
212-A	Installation of electrical items E-29, Room 2-92	Mechanical	3/3/78	Mechanical T & M
215-A	Add a fire damper to existing supply duct	Mechanical	3/29/78	processing
216-E	Provide and install 12" x 16" exhaust duct Room 1-384	Mechanical	3/29/78	processing
222-E	Basement Mezz. mechanical room emergency door added for safety precaution	General	4/20/78	HSAE/UM Eval.
223-E	Add pressure reducing valve on the 10th fl. domestic water line	Mechanical	5/10/78	Processing
224-E	Change in grade of Powell Hall cul-de-sac. required revisions of catch basin type	Mechanical	5/10/78	Processing
225-E	Kvalsten to provide installation of electrical outlet	Mechanical	5/17/78	Contractor

Unit B/C - Construction Meeting Notes



SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 109 - 6/1/78

IN ATTENDANCE:

*E. A. Kogl	U of M
O. W. Hughes	U of M
Stephen Greene	U of M
Jim Fallon	U of M
Jim Hastert	U of M
Wally Mellum	U of M
Joe Palla	U of M
Dick Hendricks	U of M
*Paul Maupin	U of M
Bob Swanson	U of M
Greg Kujawa	U of M
*Paul Kopietz	U of M
*Don Nelson	Mechanical Data
*Felix Hernandez	Mosler
*Ray Anderson	Hayes
*George Klein	Hayes
*Fred Jahnke	Premier
Doug Olson	Premier
Dick Carlson	HSAE
*Duane Blanchard	HSAE
*John Patterson	TAC
Dave Day	Honeywell
*Woody Jensen	Poppenberger
John Rottger	Sheehy
*Pat Whalen	Sheehy
Ken Fick	Sheehy
*Ralph Magnuson	Westinghouse

* Not Present

REVIEW:

481. Fick - The testing of the R.F. Shielded rooms by Ray Proof Corporation has been confirmed and will be held at 1 p.m. on June 5, 1978. As the tests pass in these rooms, each should be locked up until the owner takes it over.

483. Hughes - What is the status of fire management on floors 11 and 12?

Mellum- Neither the electrical nor the elevator work has been completed. It is a code requirement that the smoke detectors shut down the fans in case of an emergency. At present we have a manual control to shut off the fans which is a code violation.

Day - Perhaps what the owner is asking for is also a code violation.

Roettger - We are in the process now of determining from Hamilton Industries what date and time Bob Schroeder will be here for the fume hood testing.

Hastert - We have no gas on for the user because they have not been checked out.

484. Roettger - The Auditorium should be ready for the owner use on June 15th. There are some spots on the rear projection screen which we are checking into now. The complete screen will be properly cleaned and if any areas need repair that will be taken care of by the proper person.

Swanson - We will not be using the rear projection room or the screen yet.

485. Roettger - I hope to have the radiology complete by June 5th.

Swanson - The cylinders will be cored on June 9th.

Hendricks - We will set up to have shops lock.

Kujawa - The area should then be locked up. We should have as-built drawings also.

Greene - You can use the original drawings.

488. Hendricks - The 3 chillers are to be furnished by the owner.

Swanson - They are to be connected up by the mechanical and electrical contractors.

NEW BUSINESS:

489. Fick - Mod. 217 was signed by Messrs. Kogl and Maupin during the first week of April. It should have appeared on one of the change orders issued since then. Why hasn't it been? The contractors want to get paid for the work they have done.

490. Swanson - The User does not want to accept the credit for leaving the refrigerator doors white - they must have the color to match the adjacent casework.

Fick - Since these doors which were on the specified refrigerators are not made for the acceptance of a painted metal panel as specified, we will have to find some way to accomplish the desired result.

491. Fick - I understand that room 1-386 is going to receive a 24 x 36 access panel in the ceiling and I request that Jim Hastert mark out where the panel goes so that we can have Poppenberger install it. This item is an extra and will be added onto the final Mod. covering access door installation.

492. Greene - How about the hardware problems?

Roettger - The reason for the lost time in the installation of the hardware for the 56 double-acting toilet doors and the 17 doors with a so-called latch lock problem is that the owner has been trying to make changes to which he is not entitled. Those efforts by the owner with us in the middle has delayed the installation, and after talking to John Hillan again about this we are going to proceed with the installation of the materials as originally specified and approved for these 73 doors, and if the owner wants to make changes later at his additional expense, he has that option. John Hillan also has recommended that we install all the hardware referred to above as originally specified and delivered because in so doing we will be satisfying our contractual obligation.

493. Hughes - Don Herron's report is attached. I will call Herron because we have complied with all items. So far as the elevators are concerned, Earl Romnes said that he knew what the problem was.

Day - They have been demonstrated with Westinghouse.

Olson - The responsibility belongs to Westinghouse.

Mellum - Item 2 is an item that will affect acceptance. Joel knew about the elevator test.

Day - We have three men on the job now. Joel has taken a few days of vacation. We need more of Wally Mellum's time.

Roettger - I will have to check with Bill Banks to see if the closers are completed yet.

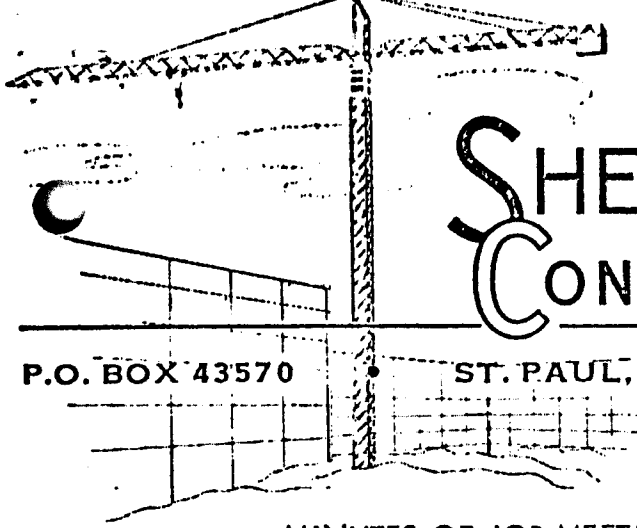
494. Fallon - How about the Unit 'A' entrance? We need the mat.

Roettger - There may be a problem here since the mat was lost when Bolander did the excavation. I do not know how our subcontractor will look towards supplying another mat.

495. Day - Room 3-75 should be painted and I will check with Joel to see why the fans are not working.

Roettger - The room was finished once but I will check with the painter to see whether or not it has had the final coat.

O.D.	DESCRIPTION	CONTR	DATE ISSUED	STATUS
51-P	Floor sleeves to alleviate spilled or over flow liquid migration between floors	General Mechanical Electrical	9/1/76	Electrical to quote
66-P	Revise provisions fro electrically locked unlocked exit devices and electro-magnetic hold.	General Electrical	11/10/76	Electrical T & M
72-P	Revise and clarify temporary electrical services installation	Electrical	12/31/76	U/M Evaluating
80-P	Revisions to electrical specs & drawings	Electrical	1/10/77	Electrical to requote
87-P	Refer to Mod. Electrical drawings sheet E-24 for revisions	Electrical	1/10/77	U/M to Advise H.S.A.E.
123-P	Modify the Unit B/C Plaza substrate design	General	3/25/77	U/M evaluating
128-A	Stair G	Mechanical General	3/29/77	Mechanical T & M
150-E	Mechanical work for MTS	Mechanical	7/20/77	Contractor to Sign
165-P	All provisions for intrusion system	General Electrical	8/5/77	Gen. & Elec. T & M
201-E	West Plaza Planter revision from brick to exposed aggregate	General	3/9/78	Contractor to sign
204-E	Modify electrical contract to include hook up of controls for chiller equipment	Electrical	1/3/78	U/M Evaluating
212-A	Installation of Electrical items E-29, Rm. 202	Mechani	3/3/78	T & M



B/C MINUTES

SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 110 - 6/15/78

IN ATTENDANCE:

E. A. Kogl	U of M
O. W. Hughes	U of M
Stephen Greene	U of M
Jim Fallon	U of M
Jim Hastert	U of M
Wally Mellum	U of M
Joe Palla	U of M
Dick Hendricks	U of M
Paul Maupin	U of M
Bob Swanson	U of M
Greg Kujawa	U of M
*Paul Kopietz	U of M
*Don Nelson	Mechanical Data
*Felix Hernandez	Mosler
Ray Anderson	Hayes
*George Klein	Hayes
*Fred Jahnke	Premier
Doug Olson	Premier
Dick Carlson	HSAE
*Duane Blanchard	HSAE
*John Patterson	TAC
Dave Day	Honeywell
*Woody Jensen	Poppenberger
John Roettger	Sheehy
*Pat Whalen	Sheehy
Ken Fick	Sheehy
*Ralph Magnuson	Westinghouse

* Not Present

REVIEW:

483. Mellum - There is another clarification meeting for the fire management system set up for today. We have had several such meetings in the last two weeks.

481. Mellum - The R. F. portion of the testing is okay and we are waiting for the written report from Ray Proof. We still have a ground problem in one of the rooms on the first floor. If Sheehy gets after this, I will have it checked on Friday.

Roettger - The rooms are not locked yet because we are waiting for a sliding door bolt from Straughan Hardware. We have the leads now so we can try to burn the ground off this P.M.

483. Fick - Is everything getting set for the fume hood testing which is to take place on June 29?

Hastert - We will see to it that the balancing is done by then.

Anderson - We will take full responsibility to see that all fans are running and that they are all working before the test.

492. Greene - Straughan will make corrections on the hardware when all the parts are delivered.

Kogl - Do not use the shield that was specified for the bathroom hardware.

Swanson - There is no added hardware.

493. Hughes - I did not contact Don Herron.

494. Roettger - The mat frame for the Unit 'A' door is supposed to be here any day now and we will get the entrance operable for you. We regret the confusion and long delay over the use of this door.

495. Roettger - Room 3-75 was finished painted once but Honeywell and Premier have damaged the finish so the painter will apply another coat.

NEW BUSINESS:

496. Fick - I request a short meeting immediately following this one concerning the pavement at West Delaware and also the leakage problem near the planter on the West Plaza.

497. Anderson - I have not taken care of Mod. 187 yet but I will get after it immediately.

498. Fick - We have a letter from Industrial Acoustics Corporation advising that they plan to do their testing in the Audio Metric Rooms during the latter half of July, and they will let us know later specifically what date and time.

499. Fick - This the weekend that Dr. Nijarian is supposed to be vacating his area in the Mayo Building and moving into the 11th floor of Unit 'C'. Is this move taking place?

Maupin - Not until all punch lists are complete, and as of now they are not.

Kogl - Why don't you finish all items so that he can make the move?

Fick - We do not accept that excuse for his lack of move and we remind you that you have told us for the past year that every single item of work does not need to be finished before an area can be occupied.

Roettger - The benches should be installed today and the missing shelf has been replaced and can be installed now also. We will contact Hamilton and get a new grille for the fume hood.

Olson - The digital clocks are working and although we had a problem with the reels these can be installed now as they are also and we will do that.

Swanson - I will get back to John Roettger on listed items.

500. Fick - More than a month ago Premier asked us to install the ceiling iron in the Mayo Link so that they could go to work on it. We did that but nothing has been done. What is the problem, Doug?

Olson - I will do it when we catch up on first floor and mezzanine.

Hastert - When they move into the 11th floor, I will turn on the gases.

Anderson - All fans will be on.

501. Roettger - What we need more than anything else is cooperation from the other primes. I ask Hayes and Premier when they will be complete.

Anderson - Two weeks.

Olson - Three weeks.

502. Kujawa - How about the demolition noise during work on the Najarian offices on the 5th floor?

Roettger - The usual request will be submitted by us when the time comes - the main problem is to get Dr. Najarian moved out.

503. Hastert - We have had no response on the sprinkler letter.

504. Olson - Do you want us to turn off all lights?

Hendricks - Do all floors that are not occupied.

505. Maupin - What is holding up the steps to the Plaza near the Diehl entrance?

Roettger - Premier is waiting for the heating cable so that we can complete the work on that stair. If necessary we will pour a temporary stair in part of the area and open it up for usage.

506. Hendricks - We are having problems with the dampers. We have chilled water on so keep the doors closed. What is happening to Mod. 204?

Day - I will look at the problem with the dampers.

Mellum - All work for Mod. 204 is complete but we are waiting for the paperwork.

507. Carlson - How about the replacement gates for old Mod. 197?

Fick - These gates are being made now and installation will start when they are finished.

508. Anderson - Are we going to use the pass-thru glassware washer which was delivered to the job?

Roettger - Yes, but it appears that there will have to be one or two modifications made to it.



SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 112

July 27, 1978

IN ATTENDANCE:

E. A. Kogl	U of M
O. W. Hughes	U of M
Jim Fallon	U of M
Jim Hastert	U of M
Wally Mellum	U of M
Dick Hendricks	U of M
* Paul Maupin	U of M
* Bob Swanson	U of M
Greg Kujawa	U of M
* Paul Kopietz	U of M
* Don Nelson	Mechanical Data
Ray Anderson	Hayes
George Klein	Hayes
Fred Jahnke	Premier
Doug Olson	Premier
Dick Carlson	HSAE
* Duane Blanchard	HSAE
* John Patterson	TAC
* Dave Day	Honeywell
* Woody Jensen	Poppenberger
John Roettger	Sheehy
Ken Fick	Sheehy

* Not Present

CORRECTIONS

513. Anderson - This should read that Wally Mellum will do the calling, not I.

REVIEW

483. Anderson - The testing of the fume hoods was done today and there are problems but they are my responsibility and not those of Sheehy. The trouble was that O'Brien Sheet Metal was not ready.
495. Olson - I will talk to Honeywell in regard to their acceptance of the responsibility for retaping and repainting the walls in room 3-75.
499. Hendricks - Dr. Nigarian will move on the weekend of August 7th.
Kujawa - I will need at least one week's notice on what the demolition plans are. A meeting concerning these alterations should take place before the work is begun.
- Roettger - I think our only problem will be that of noise and I suggest that the hospital install a phone to the fifth floor as we had before because that worked well.
- Mellum - I think that the mechanical will be the only affect on the operating rooms.
506. Hastert- There are no problems with the balancing that I know of. Periodically Mechanical Data personnel report to me.
- Hendricks - There is work required of Mechanical Data on the 11th floor and I believe that they should attend these project meetings since it is difficult to keep tab on them and they do not cooperate well in reporting in to us.
- Anderson - Mechanical Data has complained that O'Brien Sheet Metal is not complete. Can you get this pinpointed?
509. Hendricks - It is not only the Media Resources people who are removing the ceiling tile - yesterday the mechanical people smashed one on the 11th floor.
- Mellum - If you check on the 12th floor you will find that Premier, the telephone company, O'Brien Sheet Metal and Media Recourses are all working inside the ceilings and have the tile out.
- Roettger - Someone had better be keeping track of this because, obviously, our sub does not intend to replace any tile. We had an inspection right after the installation was completed in those areas. Hence, damage repairs and replacements will be by others.
- Hughes - I reviewed the G.I. collar openings with Jim Lang and he has a method to close up which is acceptable.

MINUTES OF JOB MEETING UNIT B/C #112
JULY 27, 1978

PAGE THREE

REVIEW - CONTINUED

511. Hughes - I will ask Ralph Magnuson for the details on the elevator doors that were damaged due to a person being stuck inside so that we can get a report from him as to what will be replaced and repaired and by whom.
516. Carlson - We are working on the Unit F drawings now and will advise how the air shaft will tie in to Unit A.
- Hughes - The planting contractor covered these manhole gratings with one or two inches of topsoil.
517. Whalen - Concerning people being locked in rooms we had Straughan Hardware check the 8th floor and they found no problem. A system should be set up whereby specific problems come through the construction office so that we can handle them more efficiently.
518. Whalen - We are cleaning and finishing all work in the area way now. While Jim Fellon was with us we drilled a test hole into door 3-201 to check the insulation and that the door is insulated as specified.
- Fick - I will get an affidavit from Trussbilt certifying that all hollow metal doors on this job contain the insulation as specified.
519. Anderson - O'Brien is working on this but Hayes is responsible for getting the unit going. This should read FE4 in lieu of RF4.
521. Roettger - We want to place the precast concrete bench on the sidewalk near the Mayo entrance. Are there any changes here?
- Hughes - At the time we redesigned the garage roof we decided not to place the piers to the roof. I will find out and get back to you as to how you should proceed.
498. Fick - The testing of the audiometric rooms will be held at 8 AM August 1st. All rooms will be tested.

NEW BUSINESS

522. Fick - Olson, how many electricians do you have on the job?
- Olson - 8 men, and I have no question about keeping up with the work. We will work with Sheehy where necessary so as not to delay and we are working in the cores now also. I expect electric cable for the concrete stair by Deihl Hall the latter part of next week.

PAGE FOUR

NEW BUSINESS - CONTINUED

522. Whelan - We had the cores cleaned and they are ready for painting. We are looking for the University to be responsible for repeat cleanup in areas such as that where we have done it once and only other primes have been in such areas since. Right now the Phase II contractor has a mess on the 15th floor which is being carried through finished areas - Again it is the owner's responsibility to have such cleanup done again.
- Hughes - We will give what direction is necessary.
523. Fick - I presume that the responsibility for the bollards has passed on to the owner.
- Hughes - We have punched them out and any damage that occurs to them that is not on current punch lists will be our responsibility. We will reinspect for punch list repairs.
- Mellum - Premier has some lights to install in them.
- Roettger - The extra pieces of precast for bollards we have placed on the 13th floor for the benefit of the owner.
524. Hughes - It is no longer necessary for Sheehy to mail copies of minutes to Mosler and Westinghouse.
525. Anderson - I request that Mod 51 be broken down so that the mechanical is separated.
- Jahnke - I quoted this Mod a long time ago and we are waiting for the paper work from the University.
- Mellum - I have these but we need a meeting to review this ourselves.
- Carlson - There is a list of Mods that are in a status of review - 51, 86, 87, 165 and 204.
526. Roettger - The 15th floor is a mess and there is sand all over due to the Phase II contractor. This mess is being tracked on to finished areas and the owner will have to be responsible for this cleanup.
527. Anderson - I apologize to Jim Hastert for the fact that O'Brien Sheet Metal was not ready for the fume hood testing.
528. Hughes - When can we get the first floor and mezzanine floor west complete so that we can occupy?
- Whelan - We will review and give you a date at the foreman's meeting tomorrow. We have problems with the pass-thru glass washer which are being resolved.

NEW BUSINESS - CONTINUED

529. Whelan - We have hardware people here this week working on door closers and locks that tie in to fire management. We hope to have this complete and ready for testing shortly. Honeywell will be tied into this also and Mellum wants to see it completed. We have some floors on which there is no electrical power and Olson has men working on this now. I believe that the fire management and balancing contractors should attend these meetings regularly so that all problems can be resolved. We also have a security matter with each having keys to all areas of the building while they report to hardly anyone.
530. Mellum - Stair G needs a cleanup and is to be painted out along with 1st floor west.
531. Roettger - Olson, how long before you will be completed?
- Olson - I have 8 days and 4 hours left on what I told you as completion date earlier. Honeywell should be complete next week.
- Mellum - I heard that 7 men will complete this job. This is possible depending on how long the 7 men would be here. All over the building there are covers off panels. The electrical cores need a good cleaning and in the basement there is no control to turn the lights off. The way this work is going now I would say September 1st would be a more realistic date.
- Olson - Fred Jahnke and myself made a tour today and we are caught up to all contractors.
- Mellum - Panels were left open during the strike and they were a real danger to people working in the areas.
532. Hastert - Between Unit B/C and Unit A there is work to be completed on the loop in the chiller pit.
- Anderson - This concerns Mod 176 and I will write a letter to you giving our position.



SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 113

August 10, 1978

IN ATTENDANCE:

E. A. Kogl	U of M
O. W. Hughes	U of M
Jim Fallon	U of M
Jim Hastert	U of M
Wally Mellum	U of M
* Dick Hendricks	U of M
* Paul Maupin	U of M
Bob Swanson	U of M
Greg Kujawa	U of M
* Paul Kopietz	U of M
* Don Nelson	Mechanical Data
Ray Anderson	Hayes
* George Klein	Hayes
* Fred Jahnke	Premier
Doug Olson	Premier
Dick Carlson	HSAE
* Duane Blanchard	HSAE
* John Patterson	TAC
* Dave Day	Honeywell
* Woody Jensen	Poppenberger
John Roettger	Sheehy
Ken Fick	Sheehy
Gordon Lindholm	U of M

* Not Present

MINUTES OF JOB MEETING UNIT B/C #113
August 10, 1978

REVIEW

483. Anderson - So far as fume hood testing is concerned we are testing as we complete our work.
- Kogl - If air distribution inside the hoods is not proper Hamilton may have to make repairs.
495. Olson - I talked to Don from J. B. Nelson & Son and he intends to repaint room 3-75.
506. Fick - I thought there was an understanding that the owner was going to have Mechanical Data attend these project meetings.
- Kogl - I talked to "Name Not Understood" to inform him to be at these meetings.
511. Kogl - The elevator repairs will be performed by Westinghouse.
516. Carlson - We will notify Sheehy when the unit F drawings are complete so that they will know what to do on the Unit A air shaft.
518. Kujawa - We are experiencing some problems with the locks between the reception areas and the waiting rooms.
- Hughes - When the thumb latch is turned the bolt should stay retracted. This is in all exam rooms.
- Roettger - We will talk to Straughan Hardware again about this problem.
519. Olson - We have a Megger coming and will check FE4.
521. Carlson - Modification 47 shortened the bench near the Mayo hospital entrance. If you need any further direction on the installation of this let me know.
- Kogl - If the bench is fabricated correctly let's get it set up.
522. Olson - The heating cable we were waiting for is here now and we will get them installed.
523. Olson - We should be able to button up all the lights in the bollards next week.
525. Anderson - We are still waiting for the owner to approve Mod. 51.
- Mellum - I do not agree with Premier's quotation.
- Kogl - We will have to go over the Mod. We should be able to approve the mechanical now and will have to check further on the electrical.
528. Carlson - Regarding the pass thru glasware washer the distilled water system proposed by Vernitron will be OK if the volume of distilled water available without the tank is the same as that specified.

REVIEW - CONTINUED

528. Fick - David Eagan from Vernitron will be here this afternoon at 1:30 for a meeting and we can take this up then.
529. Mellum - We still have some problems with the stair hardware: The 16th floor sounds like a bunch of bees.
531. Mellum - Honeywell is not on the job today and they will never meet the September 1 deadline.
- Olson - I requested that Honeywell attend this meeting today and David Day told me the problems were being solved at other meetings.
- Fick - The question is whether or not the "other meetings" Day talks about pertain to this project.
- Lindholm- We have problems with Honeywell and Mechanical Data both which need solving.

NEW BUSINESS

533. Fick - The new ramp to Mayo hospital at the end of the Mayo link was supposed to be constructed of All-Weather-Crete. Since that was eliminated from the project what should we use for it now?
- Kogl - Use some type of light weight material which we have used before such as Zonolite.
534. Fick - I would like to know when the owner will be done sodding and also does anyone know of any work which our earthwork contractor has left to finish.
- Fallon - I will check and let you know.
535. Roettger - Despite the fact that we have a large sign on our elevator the elevator is still being tied up at times when we need it by University personnel. I request that the owner make more effort to keep his personnel out of the elevator since it interferes with and delays our usage of it.
536. Mellum - Another item which we should get resolved with the Vernitron people is the matter of the Washer/Radiant heat dryer concerning the size of the heating capacity involved and also the voltage it is set up for.
537. Anderson - Hendricks has called on the fire pump wanting to know if it is ready.
- Hastert - It has not been accepted yet.
- Olson - We are wiring the new heater now.

NEW BUSINESS - CONTINUED

538. Hughes - Foreman's meetings should still be held weekly. I want to report also that there will be an ice cream social next Wednesday at 9 AM on the West Plaza - so we ask that activity be limited there for the rest of the day. The auditorium will have to be punched out soon because it will be used for classes on September 5. We will have Bill Wick along for the inspection. I ask also that the weeds around this house be cut down.
- Roettger - We will take care of this.
539. Carlson - The bus traffic on Delaware Street is resulting with problems we are experiencing with noise on the second and first floors. We ask that Sheehy check with Poppenberger on the ceiling spring installation per section 13500. We also have some glass rattling in the area due to the same cause.
540. Mellum - What is being done in the Mayo Turnaround about the electrical box? All exterior electrical items should be completed before someone gets hurt.
- Roettger - That box was somewhat damaged by Park Construction during earthwork operations and we will check into it.
- Olson - I am not certain just what is required or how we are supposed to treat this electrical box - when I can find out what is wanted we will take care of it.



SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 114

8/24/78

IN ATTENDANCE:

E. A. Kogl	U of M
O. W. Hughes	U of M
Jim Fallon	U of M
Jim Hastert	U of M
Wally Mellum	U of M
Dick Hendricks	U of M
Paul Maupin	U of M
* Bob Swanson	U of M
Greg Kujawa	U of M
* Paul Kopietz	U of M
* Don Nelson	Mechanical Data
Ray Anderson	Hayes
* George Klein	Hayes
* Fred Jahnke	Premier
Doug Olson	Premier
Dick Carlson	HSAE
* Duane Blanchard	HSAE
* John Patterson	TAC
Dave Day	Honeywell
* Woody Jensen	Poppenberger
* Pieter Bierma	Sheehy
Ken Fick	Sheehy
Mike Colson	Mechanical Data

* Not Present

MINUTES OF JOB MEETING UNIT B/C #114

August 24, 1978

REVIEW

516. Roettger - We did the work on the Unit A air shaft per the modification and would like to complete the exposed aggregate and turn the shaft over to the owner. The North side was never to be changed in the modification.
- Kogl - We will look it over later.
518. Roettger - John Hillan has suggested using thumb turns on the receiving room doors and will talk to Oliver Hughes.
521. Roettger - The bench near Mayo Hospital entrance was made per Modification 47P.
525. Kogl - We are still waiting for Premier's proposal on Modification 51.
531. Day - Gary Hall has changed the slides and program again. How are we supposed to get the job completed? Original design was to have all units running and now the owner wants to be able to shut some down and have others working.
- Hendricks - Do we have graphics and slides to run by?
- Day - You have point list to operate by.
- Mellum - We are no better off now than when the 11th and 12th floors were turned over. I feel uneasy about the whole operation. Fire Management can not be completed until everything is put together. Is the work in basement core 32 all future work?
- Olson - Yes it is. Most of the loose ends are for future wiring. The finish work starts today. It is senseless to button up and then Honeywell will have to open up to check.
- Kogl - If you button up completely we will know what we have. To eliminate problems it will have to go back to design. Premier has alot of work to do. I want it all finished now.
- Mellum - The locks at Stair A & D on the 10th floor are not working and the lock at Stair D on the 7th floor needs work also.
- Roettger - We will have Straughan check it out.

August 24, 1978

PAGE TWO

REVIEW - CONTINUED

- Anderson - We are working on the last few Fume Hood tests now.
533. Kogl - Use Zonolite Concrete on the 5th floor ramp at the end of the Mayo link.
534. Hughes - It seems that you have rock left to install at the redwood strips and also a piece of damaged precast concrete wall at the Mayo entrance near the auditorium needs to be replaced.
538. Hughes - We want the final inspection on the 2nd floor no later than August 30th. I again assert that the weekly foreman's meetings are important and must be continued.

NEW BUSINESS

541. Fick - Some recent correspondence from the owner's field office made use of the university system of room numbering. We neither have nor want those room numbers. We again ask that all references to rooms be made using the room numbers shown on the plans because many sub-contractors and material suppliers are involved and great confusion would result if we tried to use any other system of room numbering.
- Hughes - We will comply.
542. Anderson - The Nitrogen tanks are empty and we need them for the tests.
- Hughes - Hastert contact Paul Maupin to find out whose problem and I will follow up.
543. Fick - The report from I A C concerning the tests on the hearing rooms on the 8th floor came today and the letter from the Ray proof Corporation concerning the shielded rooms also came today. I will get both of them submitted to H S E and the owner promptly.
- Hughes - We need to make an inspection of the hearing rooms and I asked that Carlson look them over also.

PAGE THREE

NEW BUSINESS - CONTINUED

544. Roettger - So far as the K & E tunnel doors are concerned we are waiting for the owner's decision.
545. Day - More delay has been caused by the changes to the graphics. We need the final graphic change now. Who is going to pay for the cost of changing the computer system?
- Kogl - Carlson check this out with Gary Hall.
- Olson - Our bid for partial changes was mailed out. There were 13 changes on the list from Gary Hall and we quoted and sent back.
546. Mellum - I requested Sheehy gets the temporary lights off Diehl Hall.
547. Hastert - We have a shut down scheduled in Mayo Hospital on the 5th floor on Saturday for anyone who has any noisy operations to perform.
548. Colson - We are running into many problems trying to balance around all the openings being left by the Phase 2 contractor. Three exhaust fans must be increased. We need new adjustable sheaves now. Two have fixed drives and all should be adjustable. Tim of O'Brien was supposed to have taken care of the problem but he hasn't.
- Anderson - We will have an answer for you tomorrow.
549. Hendricks - The Joy fans are noisy and need grease. When mechanical data equipment is shut off we ask that you contact us. For the elevator Key operation Westinghouse needs the E-1 Key code.



SHEEHY CONSTRUCTION COMPANY

SEP 10 1978

UNIV. OF MINN.
SCIENCE
CLERKING OFFICE

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 115

9/7/78

IN ATTENDANCE:

E. A. Kogl	U of M
O. W. Hughes	U of M
Jim Fallon	U of M
Jim Hastert	U of M
Wally Mellum	U of M
Dick Hendricks	U of M
Paul Maupin	U of M
Bob Swanson	U of M
Greg Kujawa	U of M
* Paul Kopietz	U of M
* Don Nelson	Mechanical Data
Ray Anderson	Hayes
George Klein	Hayes
Fred Jahnke	Premier
Skip	Premier
Dick Carlson	HSAE
* Duane Blanchard	HSAE
* John Patterson	TAC
Dave Day	Honeywell
* Woody Jensen	Poppenberger
Pete Bierma	Sheehy
Ken Fick	Sheehy

SEP 18 1978

UNIV. OF MINN.
HEALTH SCIENCE
CLERKING OFFICE

* Not Present

*In addition to having
dog in...
B... at...
...*

CORRECTIONS:

- ✓ 518. Kujawa - This should read reception room doors rather than receiving.
- ✓ 534. Hughes - This should read cut stone rather than precast concrete.

*3-130 (initial above)
initial. 1:30
(initial)*

REVIEW:

- ✓ 531. Mellum - The fire management system is still at the same status as it was when we moved into the 12th floor. There is a meeting scheduled at 1:30 today concerning the graphics. Honeywell is interpreting the documents differently than the design people intended and so Honeywell wants more money.

Carlson - So far as I understand it all, Honeywell has still not complied with all of the requirements and submittals required.

Kogl - All of this foolishness has gone on long enough. Honeywell is claiming extra money and we are waiting for Gary Hall to establish whether or not they are entitled to it. Wally Mellum and Ollie Hughes, I ask you again to get this whole thing settled promptly.

Fick - It is ironical that despite the fact we have spent more time at each of these meetings talking about fire management than any other single item for the past year that Honeywell is not even in attendance at this meeting.

- ✓ 543. Hughes - The punching out of the Audiometric Rooms on the 8th floor will begin at 8 a.m. tomorrow morning. *(Callie will get us copies of the plans)*

Kogl - Dr. Harwood should be involved in this right from the beginning because he has some concern as to the testing procedures involved as I understand it.

- ✓ 548. Anderson - Mechanical Data will take care of all of these balancing problems by tomorrow night.

Hendricks - Occupancy cannot be shut out for the four hours required by Mechanical Data so the people will have to be vacated during the shut down. We will make the arrangements. Fans E4 and S18 are involved.

Hendricks - The fan bearings are still noisy and the special coat "Joy" grease does not have much affect. So the owner and O'Brien should check out to see why they are so noisy.

NEW BUSINESS:

- ✓ 550. Carlson - The color of the caulking for the metal casework by Hamilton has been white and the continuance of that color should be okay. The color of caulking in masonry walls, however, requires further checking.

- ✓ 551. Mellum - Each item of equipment furnished by Vernitron must be a "complete" item. This means that the item must be complete in an electrical sense also so that Premier needs to make the final connection only.
- ✓ 552. Hughes - Captain Brooker called me about different cars parked in areas where they shouldn't be and says that he is concerned because school will be starting again soon and if there are parking problems now, it will be a lot worse later. Hence he states that we should try to police the parking better now so that cars are not parked in areas where they shouldn't be.
- ✓ 553. Hughes - Don Herron has a letter out regarding the Certificate of Occupancy and I have issued it to the supervisory people. All parties must notify Hughes when items are completed so that Hughes can reply to Herron. So far Sheehy and Hayes have replied that they are through with their items.
- ✓ 554. Hughes - In room 6-173 there is a surplus plastic laminate counter which is left over and we ask that Sheehy store it on the 13th floor for us please. Also in that room there is some shelving left over which will be reused in another room by the Phase II contractor.
- ✓ 555. Anderson - Hayes Contractors compliments HSAE on the high quality of mechanical drawings for this project. I do not believe we have had a half dozen problems attributable to the mechanical drawings on this whole project.
- ✓ 556. Kujawa - I want to be copied in on all transmittals for manuals and so forth which are turned over to the user of Group I Equipment.
- ✓ 557. Mellum - Is #13 elevator going to be turned over to the owner? OSHA requires that two-way communication be working and that lights in pit and equipment room are operable before an elevator is turned over for use. The lock malfunctions in the 10th floor equipment room.
- ✓ 558. Hughes - Earl Romnes told me that all elevators will be ready for turn over to the owner by the end of September.
- Hendricks - The "best" lock control is still not installed on elevator #6. I want to report also that we need elevator service for the occupants of Unit B/C as soon as possible.
- ✓ 559. Kujawa - Mod. 111 work has not been completed yet but when it is arrangements will have to be made so that I have advance notice before the work is done. There is finish work left including electrical work.



SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 116

9/21/78

IN ATTENDANCE:

E. A. Kogl	U of M
O. W. Hughes	U of M
Jim Fallon	U of M
Jim Hastert	U of M
Wally Mellum	U of M
Dick Hendricks	U of M
Paul Maupin	U of M
Bob Swanson	U of M
Greg Kujawa	U of M
* Paul Kopietz	U of M
* Don Nelson	Mechanical Data
Ray Anderson	Hayes
* George Klein	Hayes
* Fred Jahnke	Premier
* Skip	Premier
Dick Carlson	HSAE
* Duane Blanchard	HSAE
* John Patterson	TAC
* Dave Day	Honeywell
* Woody Jensen	Poppenberger
Pete Bierma	Sheehy
Ken Fick	Sheehy

* Not Present

REVIEW:

531. Kogl - Premier Electric and Honeywell should be attending these meetings and neither one is here today. The fire management should have been completed by last Tuesday. Whats wrong, are they waiting for decisions?

Mellum - No, they have all the information they need.

Hendricks - Obviously we are still no further along with fire management than we were the last meeting.

543. Fick - We submitted to the architect the results of the testing performed by the Industrial Acoustics Corporation on the Audiometric Rooms on the 8th floor, however, we have not heard back yet from the architect or the owner what their reaction is to this testing - is it approved and so forth?

Kogl - We are waiting for direction from the architect on this.

550. Carlson - The color of the caulking used on the first floor West is proper.

553. Hughes - Fire extinguisher needs to be installed by stairway 'D' - I request that Hendricks check into this.

558. Hughes - Earl Romnes again told me a few days ago that the punch list on the elevators will be completed by the end of September.

Mellum - We have to get the K-1 key on elevator #6 for the 10th floor.

559. Kujawa - Mod. 111 work is not completed yet.

NEW BUSINESS:

560. Fick - We will have an employee stay until 4:30 p.m. everyday to lock the door in the office and also to lock the gate. If anyone leaves much later than 4:30, he will be responsible for locking the gate on the fence and if he is stationed in the house, he will of course have to lock the back door of the house also.

561. Carlson - The doors in the tunnel between "K" and "E" and B/C first floor must be 'B' label doors but they do not require panic devices.

562. Fick - It states on our punch list that the color of the entrances for elevator #13 is not the proper color. We have nothing to do with the color of the entrances on this elevator, this is an item which should appear on the Westinghouse punch list.

563. Fick - In Rooms 1-296 and 1-306 and possibly in a small adjacent room also there is peg board on the wall with a frame around it. The plans show that the frame is to be painted but it says nothing about the peg board. Is the peg board to be painted also, and if so, what color?

Carlson - I will let you know either way .

564. Fick - Our hardware supplier has installed a sample rescue toilet lock installation in Room 3-130. We must know whether or not this sample is acceptable now. There are about 56 conditions like this altoghet. Our supplier has also installed a sample on the reception area room doors on either the 2nd or the 8th floors and we need to know whether or not this is acceptable also. There are approximately 15 of this condition.

Fick - The electrical hinges which require a longer and better cord on them are supposed to be here at noon today.

Mellum - We have lots of problems with the electrical rough in and hole size in frame jambs.

Fick - My recollection is that that work was done by Premier.

Carlson - I will check into the drawing details.

Swanson - On the 8th and 9th floors the double core doors do not operate correctly.

Bierma - I will check with the hardware supplier to find out what is going to happen with the stairway locks which are operating defectively.

565. Mellum - For the three R.F. Shielded Rooms we should correct the "short out" problem first with the welder and then have a meeting concerning them.

566. Swanson - First floor West there are three rooms without the rubber wall edge protection which are shown on the prints. On the 11th floor there are some floor drain problems.

567. Hastert - We are anxious to get the Vernitron equipment going especially in the Mezzanine West but it is not complete yet.

Kogl - Get the Vernitron people to demonstrate the equipment we need most.

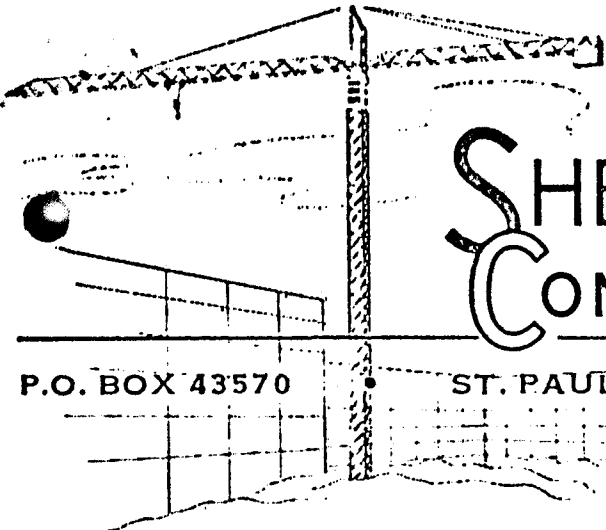
Mellum - Get Haldeman & Homme out here because there is faulty wiring in the glass washing equipment.

568. Hendricks - Get Premier to pick up odds and ends special on power outages.

Mellum - I will check into this.

Hendricks - On Unit 'A' there are some windows which have cement and welding spatter.

Kogl - Hughes will make schedule for punch list.



* tell Jeff the 9th fl. B.F. room carpet must be done

SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 117 10/5/78

IN ATTENDANCE:

- | | |
|-------------------|-----------------|
| E. A. Kogl | U of M |
| O. W. Hughes | U of M |
| Jim Hastert | U of M |
| Wally Mellum | U of M |
| Dick Hendricks | U of M |
| Paul Maupin | U of M |
| Bob Swanson | U of M |
| Greg Kujawa | U of M |
| * Paul Kopietz | U of M |
| * Don Nelson | Mechanical Data |
| * George Klein | Hayes |
| Fred Jahnke | Premier |
| Dick Carlson | HSAE |
| * Duane Blanchard | HSAE |
| * John Patterson | TAC |
| Dave Day | Honeywell |
| * Woody Jensen | Poppenberger |
| Pete Bierma | Sheehy |
| Ken Fick | Sheehy |

* Not Present

10/19/78 8 questions - 1) what is remaining on floor 11
on drains

(Case comes
reverse side
copy from site
and put in
for Hamilton)

2.) 12th floor fire (under)
ref. & spec.
low. ↑

Mastered from
[unclear]

REVIEW:

- ✓531. Day - Honeywell now agrees that we have all the information we need to complete the fire management work.

Hughes - We need the graphics before the University can occupy.

- ✓551. Turnock - The Vernitron service man from the factory will be here tomorrow to begin final work on his equipment and will work through the weekend if necessary in order to get it into operation. The washer/radiant heat dryer will be delivered by us within the next few days. The all-purpose sterilizer has no vacuum pump and the type of equipment ordered does not require one. If the electrical hook up by Premier is completed for the three sterilizers in the first floor surgery area, we will get them ready for demonstration also.

*this did not occur!!
still trying to get these units installed as soon as possible
10/19/78*

- ✓543. Fick - A field service man from the Industrial Acoustics Corporation will be here in about a week to perform the punch list items on the audio metric rooms. Mr. Singer of that company will call Dick Carlson concerning the test papers required.

(punch list work in process this week)

Carlson - We still need testing of the R. F. Shielded Rooms in the audio metric area.

Kujawa - Dr. Harford wants to be aware of when the punch list work is being done in these rooms since he wants to be involved in it.

Mellum - There seems to be some physical items missing in the R.F. Shielded Rooms of the audio metric area.

- ✓559. Bierma - The painter still has some work to do in the Mod. 111 area concerning yellow paint and I will check on the resilient floor tile requirements of this Mod.

- ✓564. Carlson - We are having a meeting with Straughan Hardware Company on Oct. 6th concerning the toilet lock operation. *have them do floors 94448 first.*

- ✓565. Mellum - The electric lock in stair 'A' on the 10th floor is still not operating properly. All of the R.F. Shielded Rooms have not been accepted yet either.

- ✓569. Fick - The two pair of automatic doors in the surgery area of the first floor are ready for final connections now - as soon as the wiring by Premier is complete and the air by Hayes, the contractor will activate both pair of doors.

Mellum - The door supplier is to furnish one transformer to operate both doors.

NEW BUSINESS:

- ✓ 570. Fick - We ask that Mod. 217 be put into change order form so that we can collect for it - the Mod. was signed by all parties last April.
- ✓ 571. Fick - We are notifying Sonic Alarm that our responsibility for the coverage here on the house will cease on Oct. 15th and that unless they are advised differently by the University field office they can deactivate the system as of that date. We will ask them further not to remove the equipment from the house yet because it is possible, of course, that the new general contractor may want to use the same system. Is this all satisfactory with the owner now?

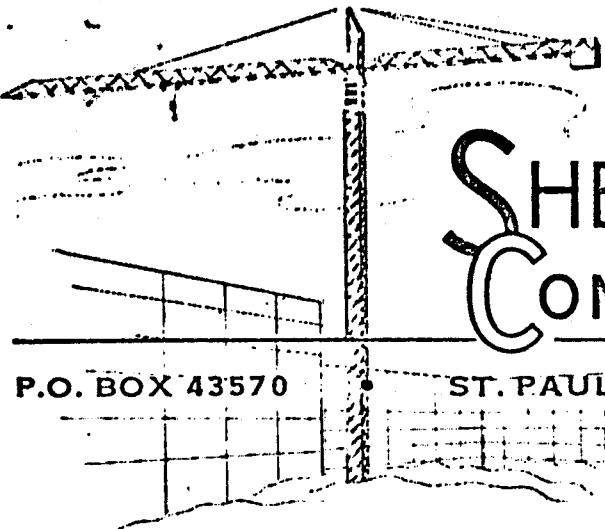
Kogl - We will check into it and if there is something differently which you must do, we will let you know.

- ✓ 572. Fick - The remedial work replacing certain portions of bituminous pavement in the Mayo turnaround will begin this coming Monday.
- ✓ 573. Fick - ^{ANIMAL ROOM ST. SL. SINK} Fixtures installed against the wall by Hayes Contractors need to be caulked and there is a question as to whose responsibility this is. There is also a problem where the wainscot in certain areas holds the fixture away from the wall slightly so that the top of the fixture does not close in to the wall in a flush manner, and we request that the architect look into both of these problems and advise where the responsibility lies.

- ✓ 574. Jahnke - We are waiting for electrical punch list.

Mellum - We will get them for you and we also request that you get the testing done in the three surgery rooms on the first floor.

Jahnke - Will do and we will let Sheehy know when finished.



SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 118

10/19/78

IN ATTENDANCE:

* E. A. Kogl	U of M
O. W. Hughes	U of M
Jim Hastert	U of M
Wally Mellum	U of M
Dick Hendricks	U of M
Paul Maupin	U of M
Bob Swanson	U of M
Greg Kujawa	U of M
* Paul Kopietz	U of M
* Don Nelson	Mechanical Data
George Klein	Hayes
* Fred Jahnke	Premier
Dick Carlson	HSAE
* Duane Blanchard	HSAE
* John Patterson	TAC
* Dave Day	Honeywell
* Woody Jensen	Poppenberger
Pete Bierma	Sheehy
Ken Fick	Sheehy

* Not Present

MINUTES OF JOB MEETING #118
UNIT B/C UNIVERSITY OF MN
October 19, 1978

REVIEW

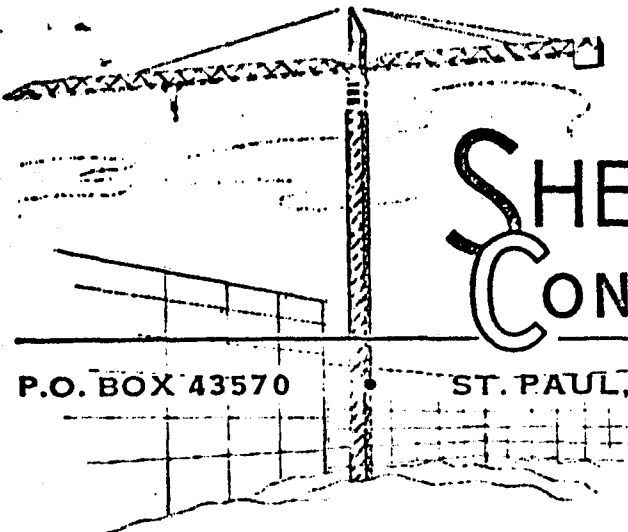
551. Carlson - What is holding up the operation of the Vernitron equipment which is not ready to be put into use yet?
- Hastert - The pass-thru glassware washer does not operate properly yet. The glass tube at the top of the unit breaks under shock and from vibrations and will have to be modified some way. The reservoir for the distilled water has not been installed yet either. Jim Prince should be involved in all of these items affecting the Vernitron equipment.
543. Fick - The meeting concerning the audiometric rooms on the 8th floor will occur Tuesday morning in the vicinity of the affected rooms at a time to be determined by Greg Kujawa. Ellis Singer from Industrial Acoustics Company will be here at that meeting and the owner and the user can have the appropriate people here then too.
- Mellum - I believe there are some missing electrical components which affect the two shielded rooms and this matter should be resolved then also.
559. Kujawa - There are still some electrical requirements which have not been met for Mod. 111.
- Carlson - I am amazed that at this late date there is still some electrical work which has not been accomplished for Mod. 111.
564. Carlson - On November 8, 9 and 10 there will be a dedication for the 9th floor and on October 28 there will be a dedication for the 4th floor.
565. Kujawa - Are the R.F. shielded rooms on the 1st floor accepted yet?
- Mellum - These two rooms have not been accepted yet because at least one of them acts like a capacitor and the testing results indicate that they are not satisfied with these two rooms yet.
- Fick - I am aware of this and am pursuing the matter for these two rooms with the Rayproof Corp.
573. Carlson - The mechanical contractor is responsible for providing the sealing required for this item on the mezzanine and 1st floors west and this includes the seal required between the backplash and the wall.

MINUTES OF JOB MEETING #118
UNIT B/C UNIVERSITY OF MN
OCTOBER 19, 1978

NEW BUSINESS

575. Hendricks - There is an air balance problem on the 5th floor.
- Hughes - There is a temperature problem in the B Unit shell spaces.
- Kujawa - I need keys within two to three weeks for the 8th and 9th floors for permanent locks.
- Hendricks - Get the signatures for them now and we will order the keys.
576. Carlson - The fume hoods on the 12th floor are too noisy.
- Hastert - Hamilton should make corrections or adjustments to the baffles on the 12th floor and also on the 1st floor west since these hoods do operate with what seems to be too much noise.
- Fick - I will discuss this with Bob Sullivan of Hamilton and get back to you.
577. Hastert - I have some questions of the mechanical contractor but since he is not at this meeting I cannot go into them with him now.
- Mellum - I have the same problem with the electrical contractor - Obviously he is not in attendance at this meeting either.

NOTE: In reference to the ambulatory surgery area on the 1st floor both Mellum and Hastert request that the final buff job on the floor and the removal of the protective floor covering be delayed until the humidification tests are taken by the mechanical contractor and until the electrical contractor finishes the work that he has left in this suite. The purpose of course is so that no damage will be done to the conductive seamless flooring in these areas.



SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

NOV 20 1978

PHONE: 612/488-6691
UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

MINUTES OF JOB MEETING - UNIT B/C # 119

Nov. 2, 1978

IN ATTENDANCE:

E. A. Kogl	U of M
O. W. Hughes	U of M
Ron Holden	U of M
* Jim Hastert	U of M
Wally Mellum	U of M
Dick Hendricks	U of M
Paul Maupin	U of M
* Bob Swanson	U of M
Greg Kujawa	U of M
* Paul Kopietz	U of M
* Don Nelson	Mechanical Data
* George Klein	Hayes
* Fred Jahnke	Premier
Skip	"
Dick Carlson	HSAE
* Duane Blanchard	HSAE
* John Patterson	TAC
8 Dave Day	Honeywell
* Woody Jensen	Poppenberger
Pete Bierma	Sheehy
Ken Fick	Sheehy
Earl Romnes	Westinghouse

* Not Present

MINUTES OF JOB MEETING #119
UNIT B/C
NOVEMBER 2, 1978

NEW BUSINESS CONTINUED

579.Cont.

Fick - Since neither the architect nor any one else can come up with a type of hardware which could be used we are going to send a letter of credit to the owner offering to return the amount of money which was included in that modification for the hardware.

580. Fick - What is the decision on the installation of the hand rail by the Unit A airshaft?

Maupin - I feel that the hand rail should be installed as required by this contract.

Kogl - O.K., install it.

Fick - There will be a demonstration of the Vernitron Equip. on the mezzanine floor west next Tuesday and the stainless steel partition between the cage washer and the pass-thru glassware washer should be installed during the 2nd full week of November.

582. Mellum - We still have a problem with the speakers on the elevator cars - they don't work.

Romnes - I was not aware of this problem but will work it out with Premier Electric.

583. Maupin - Is fire management under control on 9th floor?

Hendricks - We are working on it and it is progressing.

584. Kujawa - Starting December 12 and 13 the patients will occupy the 8th and 9th floors.

Hendricks - We should install graphics on 3rd floor. When are the mechanical and electrical contractors going to complete some of their critical punch list items like the booster pump? Some months ago there was a meeting in the basement concerning the city water booster pump demonstration. Nothing has been done to rectify the problems which showed up. Also there was a battery problem with the diesel fire pump system and the drain apparently does not work properly since the basement is getting flooded occasionally. There also seems to be a bad controller on the fire pump.

Mellum - I think that on some of this equipment the University is paying for new but is getting rebuilt equipment.

585. Hendricks - We have some problems with some hardware on the 9th floor; Do we contact Sheehy directly on this?

Hughes - No, contact me first and I will relate the information to Sheehy.

MINUTES OF JOB MEETING #119
UNIT B/C
November 2, 1978

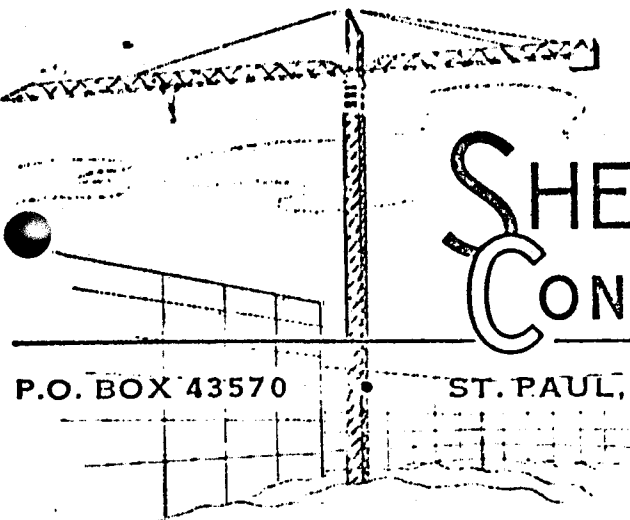
REVIEW

559. Mellum - The electrical work on Mod. 111 is not completed. I need more information and have to find out where to get the feeder lines out of Mayo into the area.
565. Hughes - In the R.F. shielded room on the 9th floor the inside hardboard trim in access panels should be painted. The G.C. should check the shop drawings for the floor finish on the wood threshold.
- Mellum - I request that I be given a spray can of special lubricant from Rayproof for the R.F. shielded door fingers.
575. Bierma - We have a problem with the temperature in the basement in the Unit C shell space.
- Hendricks - We also have problems with the air balancing in Unit B.
- Hughes - We have not been able to contact the balancing contractor and as usual he is not present at this job meeting.
- Kogl - To close out the job it is critical that certain decisions be made at these meetings and we need Don Nelson here from Mechanical Data and also a representative from Hayes Contractors as well.
- Fick - In reference to the note at the conclusion of the minutes of job meeting No. 118 I can report that our seamless flooring subcontractor will test the floors in the 1st floor surgery area whenever we ask him to during the next two weeks; but he is unwilling to wait longer than that.

NEW BUSINESS

578. Fick - The Vernitron people were not able to put the three sterilizers into operation in the 1st floor surgery area until the gas cylinder hook-up is performed to the E.T.O. sterilizer in room 1-294.
- Hughes - I will check which department from the owner must perform this hook-up and have it done.
579. Fick - There was a modification which stated the type of hardware which should be used on the swinging gate at the information desk on the 3rd floor. The Straughan Hardware Company has advised that at the time the Mod. was formulated they did not understand what all was involved; and they now know of no type of hardware which can accomodate this heavy gate and perform the job that the University wants it to.

* Call attention to Plans I
and sig 16" max. VS
30"



SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570 • ST. PAUL, MINNESOTA 55164 • PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 120 Nov. 16, 1978

IN ATTENDANCE:

- | | |
|-------------------|-----------------|
| E. A. Kogl | U of M |
| O. W. Hughes | U of M |
| Jim Hastert | U of M |
| Wally Mellum | U of M |
| Dick Hendricks | U of M |
| * Paul Maupin | U of M |
| * Bob Swanson | U of M |
| * Greg Kujawa | U of M |
| * Paul Kopietz | U of M |
| * Don Nelson | Mechanical Data |
| * George Klein | Hayes |
| * Fred Jahnke | Premier |
| Dick Carlson | HSAE |
| * Duane Blanchard | HSAE |
| * John Patterson | TAC |
| * Dave Day | Honeywell |
| * Woody Jensen | Poppenberger |
| Pete Bierma | Sheehy |
| Ken Fick | Sheehy |

* Not Present

* Call Huber re: 2nd floor
issued on the 7th fl
+ 10 ROOM.
C * ? off ...

REVIEW

- ✓(565) Hughes - I have heard from the hospital people that there are still some copper fingers missing on the doors in the R.F. shielded room on the 9th floor.
- ✓575. Hendricks - It seems as though room B-163 in the basement must have been flooded at one time and it needs to be checked out.
- Bierma - We have a problem with too much humidity in the O.R. area on the 1st floor - The humidity is so high at times that water drips from the ceiling.
- Hastert - We have a problem trying to balance that separate system, it would help if we could get the missing ceiling panels installed. If they won't be in for a while apparently it would be worth while to have those ceilings temporarily closed up with plastic.
- Hendricks - We took humidity readings on the first floor north-east corner and it seems to be normal - between 25 and 30 per cent humidity with a 68 to 70 degree F. temperature.
- Kogl - Before final testing of the O.R. floors, we should have humidity testing completed. Maybe the humidity will not be a problem for testing but it definitely is a possibility that it could be.
- Fick - Obviously we cannot have our O.R. flooring sub-contractor buff and test the floors in the operating rooms if there is water dripping from the ceilings.
- ✓(578) Hastert - GKI? Concerning the E.T.O. sterilizer in room 1-294, we don't know who is going to supply the header and gauges to make the necessary gas connection to this sterilizer.
- Hughes - Despite the fact that he assured me that he would be attending this meeting, George Kline obviously is not here. It is to be noted also that Premier Electric is not represented at this meeting.
- Fick - The E.T.O. sterilizer obviously cannot be tested until the gas connection is made to it and that is a responsibility of the owner.
- ✓579. Carlson - Zig, from Straughan Hardware told me that he has made a drawing on the hardware problem with the gate in the information counter on the 3rd floor; and he submitted this drawing to Oliver Hughes for further action. I would like to see that drawing.

PAGE TWO

REVIEW #279 CONTINUED

- Fick - I have not seen the sketch you refer to and I will have to look into it to see what happened. The hardware you specified for this gate does not work.
- Hughes - Since the type of hardware specified in Mod. 231 is being changed I presume that Dick Carlson should send a supplement out to modification 231.
- Carlson - I would like to take a look at the lock in the field first before preparing this supplement. This pertains to the clinic room toilet doors.
- ✓578. Hughes - Yesterday's meeting and demonstration of the Vernitron equipment should not be considered as a final inspection.
- ✓583. Kogl - The warranty on the fire management system will start when we have a functional system.
- ✓585. Hendricks - We have a problem with a door locking from the wrong side on the 9th floor between the occupied area and a former shell space, now a phase II area.
- Carlson - I will look into this.

NEW BUSINESS

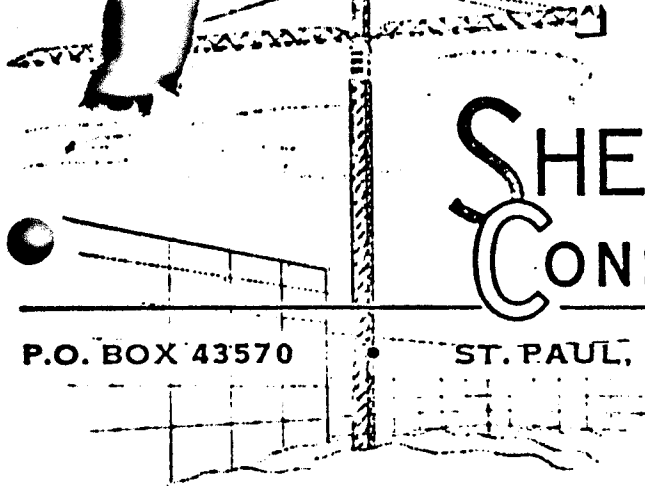
- ✓587. Mellum - When is Mr. Singer of the Industrial Acoustics Company going to send the filters for the audiometric rooms on the 8th floor as a result of the meeting we had here recently? Cramer Electric should have installed filters on both the fluorescent and power outlets.
- ✓588. Fick - We are anxious to install the medical equipment - When can we do this?
- Kogl - When you are finished with an area we will install the permanent cores so that you can put in the medical equipment.
- ✓589. Kogl - The basement exit signs are misleading and I would also like to know where we stand on the leaks in the west plaza?
- Carlson - I will check on the basement exit signs.

PAGE THREE

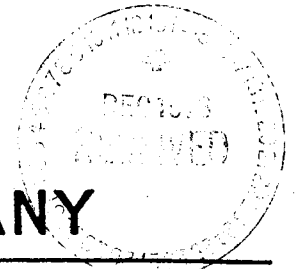
NEW BUSINESS #589 CONTINUED

- ✓Hughes - We have been watching for any leaks on the west plaza for some time and it appears as though they have been cleared up.
- ✓590. Carlson - The color of the automatic door mats should be brown and not red; and I would like something from the manufacturer showing that the mats installed are their brown color - if that is the case.
- Fick - The supplier has assured me that these are their brown color and we will get the verification you ask for.
- ✓591. Hastert - The steam to the cage washer has been turned on now.

IT SHOULD BE NOTED THAT NEITHER HAYES CONTRACTORS NOR PREMIER ELECTRIC WAS REPRESENTED AT THIS MEETING.



SHEEHY CONSTRUCTION COMPANY



P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 121

11/30/78

IN ATTENDANCE:

E. A. Kogl	U of M
O. W. Hughes	U of M
Linda Fite	U of M
* Jim Hastert	U of M
Wally Mellum	U of M
Dick Hendricks	U of M
Paul Maupin	U of M
Bob Swanson	U of M
Greg Kujawa	U of M
* Paul Kopietz	U of M
* Don Nelson	Mechanical Data
* George Klein	Hayes
Fred Jahnke	Premier
Dick Carlson	HSAE
* Duane Blanchard	HSAE
* John Patterson	TAC
* Dave Day	Honeywell
* Woody Jensen	Poppenberger
Werner Betterman	Sheehy
Ken Fick	Sheehy

* Not Present

Minutes of Job Meeting - Unit B/C - #121
November 30, 1978

REVIEW:

565. Fick - In the R. F. Shielded Room on the 9th floor much of the copper finger stripping on both doors was ripped and cut off by someone.

Mellum - Apparently that vandalism was done by the user. ?

Maupin - I want a copy of the University Work Order to know what University personnel were in the room and what was done.

575. Fick - The installation of the permanent metal perforated panels in the ceilings of the three operating rooms on the first floor will begin today.

579. Fick - In regard to Mod. 231 the Baldwin turn pieces have been ordered after selection by the University. Straughan Hardware will have suitable escutcheon plates made up locally to conform to the changes which have again been made on this Mod. HSAE will issue a letter supplementing the Mod. because of revisions which include the elimination of the button release.

*finished
Jan 12, 79
entire
assembly
will be
complete
by Feb 1, 79*

NEW BUSINESS

589. Hughes - So far as the basement exit signs are concerned, Wally Mellum, Mr. Heron and I will investigate this.

592. Fick - The LCN electronic holders go to 170 degrees and they will not hold at 180 degrees. Letters and brochures explaining this are being sent by us at this time to the owner and architect.

593. Hughes - When will the rest of the mirrors be installed on the 8th floor?

*delivered a week
from today.
Dec. 21, 78*

Betterman - We will investigate and advise.

594. Hughes - Does Premier have the rest of the engraved plates for the 8th floor? Also when will Premier have the digital clocks? Also why is Premier short fixtures in the operating room area on the first floor? Note: Premier has no representative at this meeting.

Mellum - Premier is also short lights in room 9-127.

Maupin - Get a hold of Kogl and Kopietz and find out what action should be taken against Premier now in order to get them to finish their work which incidentally is more than punch list work.

595. Hughes - We are waiting for Vernitron to follow up on their work on the three sterilizers in the O.R. area in the first floor.

596. Hughes - It appears as though the resilient flooring subcontractor when performing the work required by Mod. 111 still has not gone far enough in a westerly direction.

Fick - We will check this out and get back to you.

597. ✓ Swanson - When will the cage washer be finished with the replacement of the pump?

Hughes - The pump is supposed to be replaced not later than tomorrow.

598. ✓ Carlson - As a result of the meeting this morning, the rolling shutter installer will fine tune and adjust all of the rolling shutters. *Should be done on Dec 27, 78*

Swanson - Have them do floors 8 and 9 first.

599. ✓ Kujawa - What is the status of the E. K. G.?

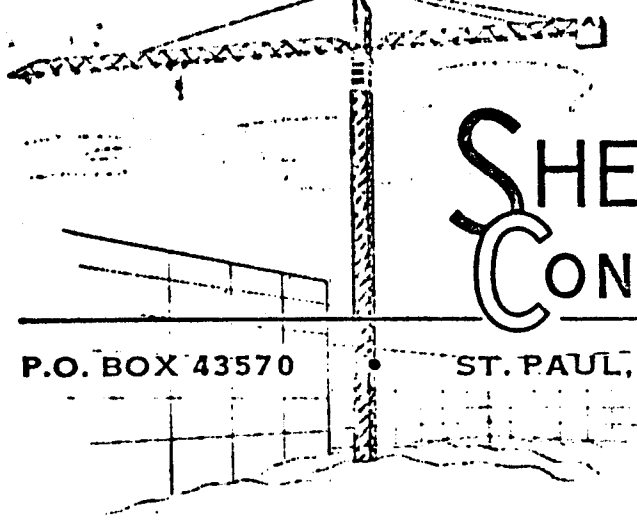
Mellum - In the two rooms on the first floor we seem to have grounding problems off and on.

600. ✓ Kujawa - Where is the typewriter enclosure security box on the north counter of the information counter on the 3rd floor?

Fick - We will check this out and advise.

Mellum - We are also waiting for the exit light to be installed in this area.

601. ✓ Mellum - We are still having a problem with the solenoids on some of the trash chute doors.



SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

DEC 27 1978

MINUTES OF JOB MEETING - UNIT B/C # 122

12/14/78 UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

IN ATTENDANCE:

E. A. Kogl	U of M
O. W. Hughes	U of M
Jim Hastert	U of M
Wally Mellum	U of M
Dick Hendricks	U of M
* Paul Maupin	U of M
Bob Swanson	U of M
Greg Kujawa	U of M
* Paul Kopietz	U of M
* Don Nelson	Mechanical Data
George Klein	Hayes
Fred Jahnke	Premier
Dick Carlson	HSAE
* Duane Blanchard	HSAE
* John Patterson	TAC
* Dave Day	Honeywell
* Woody Jensen	Poppenberger
Pete Bierma	Sheehy
Ken Fick	Sheehy



* Not Present

CORRECTIONS:

594. Jahnke - Contrary to what the item states, I was present for part of this meeting.

REVIEW:

565. Mellum - The R.F. Shielded Room on the 9th floor should be made light tight with weatherstripping around the doors.

Fick - A previous inspection has been made showing that that door was light tight before vandalism was done by user personnel ripping or cutting off some of the copper finger material.

589. Hughes - We are still investigating the exit signs in the basement. The exit sign by the automatic sliding entry doors on the 3rd floor north can be installed now.

592. Fick - Straughan Hardware will furnish and install new parts for lobby doors not holding at - 170 degrees.

594. Jahnke - In order to complete our work we are jumping all over the building. Why can't we get punch lists for floors 2, 1 and 3 and finish systematically?

Mellum - I have not had time to get the punch list to you as fast as you want them. Why are you short so many plates?

Jahnke - Because they are not standard plates.

Kogl - Much of Mellum's time goes to babysitting Honeywell and I am directing Wally now to discontinue that in favor of getting the punches promptly to Premier. It is Premier's responsibility to get Honeywell going and to get them to finish this job. I urge strong action by Premier towards Honeywell now.

593. Bierma - The missing mirrors on the 8th floor will be installed a week from tomorrow.

601. Bierma - I will set up another meeting with the trash chute contractor, the electrician, and the owner's representatives and this time we ask that the latter do not miss the meeting.

NEW BUSINESS:

602. Hastert - The damper in room M-115 is working the way it was designed but we will have to test the equipment first before we know whether or not it is proper.

Kogl - The following is my understanding of the present status of the Vernitron equipment:

- a.) The all-purpose sterilizer requires a revision to the condensate line before it can be tested.
- b.) The glassware washer and cage washer are ready to be tested.
- c.) The ETO sterilizer will be ready for test after the installation and hook up of the change-over unit.

d.) I believe the other two sterilizers are ready for testing now.

Hastert - Haldeman Homme does not honor the warranty on the ETO sterilizer if the owner installs an extra exhaust system.

Kogl - When demonstrating the ETO sterilizer, we will have safety personnel on hand and ask them if an extra exhaust system has to be installed.

Bierma - The architectural plans show the change-over unit for the ETO sterilizer located on the West wall of the "clean" room 1-293. The ETO gas bottles are located on the West wall of room 1-294. Can we mount the change-over unit above the gas bottles in 1-294 rather than where the plan shows? Which is your preference?

Swanson - I will find out and let you know.

603. Hughes - When Ettel & Franz starts working on corrective work in the air intake shafts, have him start in Core 39. Westinghouse has not completed several items on the elevator and the appropriate people should make the inspection for that purpose. We will ask O'Brien for the cost of installing a grille to cover the opening high up on the south wall of Room 1-294 since no grille was required on the drawings.
604. Mellum - Corridor 1-60 and Room 1-318 did not pass floor conductivity tests because of a too heavy wax build up. I am told the contractor is correcting this now.
605. Mellum - We still have problems with electrically controlled locks in stair 'D' on the 2nd floor and in stair 'C' on the 1st floor.
606. Mellum - The on/off switch in the utility room on the 4th floor is for a future hot water circulation pump and Premier Electric will install I.D. plates for the switch.
607. Kujawa - The hospital will start occupying floors 2, 1 and 3 in February, 1979. A verifying decision permitting that must be made by January 2, 1979 because the patients will be called out by computer and after that the move will be irrevocable. Therefore, all punch list work on these three floors must be completed before February 1, 1979.

Hastert - It is my opinion that the mechanical contractor will not be ready in those areas for that move.

Fick - This is of utmost importance then and the burden is on the owner to make sure that both his mechanical and electrical contractors are finished with their punch lists on floors 1, 2 and 3 by February 1, 1979. As of now, Premier does not have (except for above-ceiling work) any punch lists for floors 1, 2 and 3. We can hardly coordinate or push the work when there are no punch list for them out.

Mellum - In the O.R. area on the 1st floor Premier still has to make tests, batteries don't work, and there are motor control problems.

Jahnke - I will set up a meeting with Honeywell and General Electric to resolve the problems.

608. Hendricks - I cannot emphasize strongly enough the importance of the fire management system and Premier must get after Honeywell to get the problems taken care of.

Mellum - At the June 12th meeting Honeywell stated that the maximum temperature has to be 120 degrees F. before fire management is triggered. There is a fiasco with Honeywell on the job now and when I questioned the man on the job he blames Premier. Honeywell has not yet completed some items which were covered by Addenda three years ago. I will not punch out any more fire management system items until the system is complete and the consoles are closed up.

Jahnke - Honeywell is not all at fault - they do seem to have had continual problems with design.

609. Hendricks - The entire building air control compressor is out again. This compressor has had one complete overhaul and several other major problems with it so it should be replaced. Accordingly 1,200,000 s.f. of space in Units A and B/C are being handled by the use of lab air for the past week and this is hazardous.

Jahnke - Why don't you reject the compressor on paper so that we can buy a new one?

610. Hendricks - The on/off switches are not accessible on the automatic sliding entry doors.
611. Bierma - Some items on the User's punch list pertain to adjustment of closers and locks. We have found that no matter how well these items are adjusted at the time of installation that they will need readjustment after a period of a few months has past. We, therefore, feel that we should not make any special adjustments at the present time unless the piece of equipment does not work at all of course. Then in a few months after the items have been in use, we will go through and make the proper adjustments to all of the items. Like any new parts in any device, they need to be broken in.

Hughes - I believe that this generally can be acceptable to us but some of the back checks on the closers have to be adjusted before the Users move in.

612. Bierma - The hardware schedule calls for both the panic device and an electric lock on single door 2-92A. Are you sure you want both installed?

Hughes - We will check and advise.

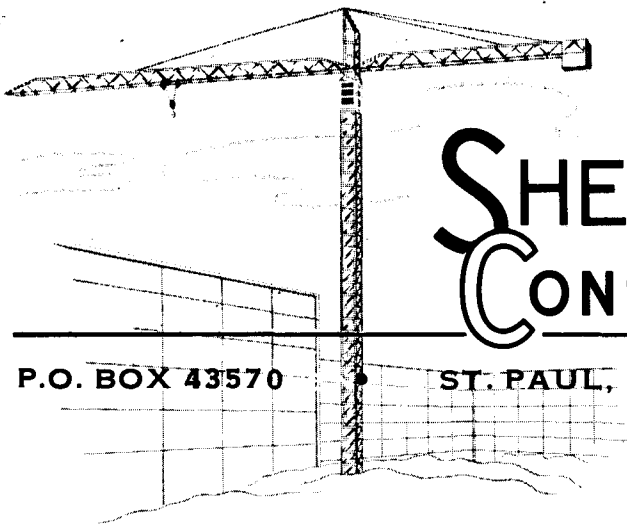
613. Hastert - George Klein of Hayes Contractors gave no progress report updating the status of his work prior to the time he left this meeting. Since he is not here now he will be unable to respond to all of the following items and the owner needs to know the status of each of these items and receive a firm commitment for completion for each of them from Hayes Contractors:

1. Fire pump in regard to items not operable or found to be in error at time of demonstration or since.

2. High temperature heads at sterilizers.
3. Fire hydrant connections on Unit A per Mod. 187.
4. Booster fans in ambulatory surgery area on 1st floor.
5. Humidifiers in ambulatory surgery area on 1st floor.
6. Status of and response to problems with fume hood exhaust systems.
7. 140 degree circulating hot water pump in basement.
8. Distilled water alarm check out.
9. Domestic water booster pump.
10. Supply fan S2.

We need a firm commitment from Hayes regarding the status and completion of all of the above items.

The next progress meeting will take place at 10:30 a.m. on December 28, 1978.



SHEEHY CONSTRUCTION COMPANY

JAN 10 Rec'd

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C #123 -- DECEMBER 28, 1978

IN ATTENDANCE:

E. A. Kogl	U of M
O. W. Hughes	U of M
Warren Forslund	U of M
Jim Hastert	U of M
*Wally Mellum	U of M
Dick Hendricks	U of M
*Paul Maupin	U of M
Bob Swanson	U of M
*Greg Kujawa	U of M
*Paul Kopietz	U of M
*Don Nelson	Mechanical Data
*George Klein	Hayes
Fred Jahnke	Premier
Dick Carlson	HSAE
*Duane Blanchard	HSAE
*John Patterson	TAC
Dave Day	Honeywell
*Woody Jensen	Poppenberger
Pete Bierma	Sheehy
Ken Fick	Sheehy



* Not Present

Minutes of Job Meeting - Unit B/C #123 - 12/28/78

REVIEW:

565. Hughes - The user removed the copper fingers around the door of the shielded room on the 9th floor because he felt there was not enough clearance between the door and the jamb. Mellum will give Swanson the names of people that ripped these fingers off.
594. Jahnke - We now have received and have completed a punch list for part of the first floor. The bulk of plates will be here shortly after January 1, 1979. I will look into the matter of the relocation of the clock outlets on the first floor. I wrote Mr. Kogl a letter concerning the completion of our work prior to February 1, 1979. I am setting up a meeting with the University, Honeywell and myself for Tuesday, January 2, 1979, at 10 a.m. on the 4th floor of Unit B/C.
- 602.(c) Carlson - On the shop drawings for the ETO sterilizer we marked the location of the change-over unit. It is our opinion that the equipment supplier is responsible for the piping necessary to connect the change-over unit.
- Swanson - The health and safety people feel that the extra exhaust system is necessary.
- Hastert - In the Minutes of the December 14th meeting I wish to correct this to read that the warranty would be affected by the waste system rather than the extra exhaust system.
603. Hughes - I will check Core 39, Air Intake Shaft, for temperature conditions.
607. Jahnke - The purpose of the meeting Tuesday morning, January 2nd, with the owner, Honeywell, and myself is to get organized to make sure that the fire management system is completed also by February 1, 1979. The motor control is complete, and the battery communicator is being worked on.
- Kogl - I feel there is a lack of understanding of what the fire management system is.
- Day - Everybody changed things after the shop drawings were approved.
- Carlson - The system was already installed before we got the shop drawings approved.
- Day - The fire management system is 95% complete now. Wally Mellum is spread too thin to take care of both Honeywell and Premier. I would like to have a letter stating the rejection of the compressor mentioned in item 609 of the Minutes #122.
- Kogl - I will write a letter to Honeywell because I feel that we have never received a complete system.
610. Hendricks - If it is possible, I would like to have key controlled on/off switches on the automatic sliding entry doors.

Carlson - I will check to see if these are a requirement but the General Contractor should check also.

612. Hughes - Proceed with the installation of the hardware on door 2-92A without the electrical device.

613. Hastert - Item #10 (Supply fan S2) is complete but except for that nothing else has been done on any of the other items. It is difficult for me to work with Hayes because I have a hard time getting a hold of them.

Swanson - Klein told me recently that he would take care of the hose change over in first floor west dog run but that has not been done yet either.

NEW BUSINESS:

614. Swanson - Can we occupy the first floor west area yet?

Hughes - If they feel they can use the area as it is and the fire management is complete, they can move in.

615. Hastert - We still have a problem with the baffle design on the fume hoods and I do not agree with Hamilton's letter on this problem.

Fick - Write me your attitude and your objections so that I can take it up with Hamilton again.

616. Kogl - I request that you have the closing speed readjusted on the automatic sliding entry doors since there is too much of a wait now before the doors close.

617. Forslund - In room 1-190 who is taking care of the steam line to the washer, the University or Hayes? (This is directed to Jim Hastert.)

618. Carlson - I am still waiting for further action on the color of the ceramic tile on the first floor surgery area.

Kogl - There should be no differences in color or variations in color between the field tile and the specials greater than those variations in the field tile itself.

Fick - I will pursue this matter.

619. Bierma - The openings in the ceiling of Room M-102 are twice the size of the mechanical grilles. Both the architectural and mechanical prints show the openings to be 2' x 8'. The mechanical grilles which are installed are 1' x 8'. Something has to be done about the openings which are left.

THE NEXT PROGRESS MEETING WILL TAKE PLACE AT 10:30 A.M. ON JAN. 11, 1979.



SHEEHY CONSTRUCTION COMPANY

JAN 25 Rec'd

ST. PAUL, MINN.
HEALTH SCIENCE
PLANNING OFFICE

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C #124

1/11/79

IN ATTENDANCE:

E. A. Kogl	U of M
O. W. Hughes	U of M
Jim Hastert	U of M
Wally Mellum	U of M
Dick Hendricks	U of M
Paul Maupin	U of M
Bob Swanson	U of M
* Greg Kujawa	U of M
* Paul Kopietz	U of M
* Don Nelson	Mechanical Data
George Klein	Hayes
Fred Jahnke	Premier
Dick Carlson	HSAE
* Duane Blanchard	HSAE
* John Patterson	TAC
* Dave Day	Honeywell
* Woody Jensen	Poppenberger
Pete Bierma	Sheehy
Ken Fick	Sheehy



* Not Present

CORRECTIONS:

607. Jahnke - This should read battery inverter rather than communicator.

REVIEW:

607. Jahnke - We had our meeting concerning fire management on January 2nd, and Hughes will write a letter on the rejection of the compressor. It seems that Wally Mellum has confidence in the fire management system down to the third floor. I will finish punch lists on floors 2 and 3 two weeks after we get the punch list.

Hughes - The electrical punch lists for floors 2 and 3 will not be ready by January 15th. We are getting more help for Wally Mellum to get the punch lists out.

Fick - As you can see, Ollie, it is up to you and Wally Mellum to get the punch lists to Premier in time so that they can finish their work on floors 2 and 3 in February when and as desired by the user.

610. Carlson - I could not find anything in the contract documents for the contractor to supply on/off switch for the automatic sliding entry doors, but the contractor should supply information to us as to what safety features are on the doors to protect the motor when the doors are in a locked status. In other words, what do we do to protect the system when the doors are locked since the on/off switch is not easily accessible for the custodians.

613. Swanson - The hose has been moved but Hayes did not touch up the holes in the wall after they made the move.

Hughes - Maybe the general contractor can provide Hayes with the proper color of caulking material so that Hayes can rectify.

615. Fick - Jim Hastert is to show me what the problem is so that I can get back to Hamilton.

619. Hastert - We have all the necessary material on hand now to correct the openings in the ceiling of Room M-102 but we need somebody to install it.

Fick - If it is only one hour's work for one man as you claim, we will do it.

NEW BUSINESS:

620. Fick - Many areas have been under use by the owner for a long time and yet we have nothing from the owner concerning the commencement of the warranty which certainly should have commenced a long time ago in many of these areas.

Kogl - We have to have something that's fair to the contractor, reasonable to us, and acceptable to Dick Hendricks. The normal rule is that the owner starts the warranty period at the time of beneficial occupancy. Substantial completion is that point at which the owner can put the area to its intended use. Under the preceding conditions warranty can start in a given area unless a piece of equipment in that area is not acceptable. At that point too we have to be in receipt of all of the manuals for appropriate equipment.

Hughes - Part of the answer is to systematically occupy the building with known dates.

Hastert - For example when the Vernitron equipment has been tested and accepted, the warranty on that will start. I want to emphasize also that we cannot accept any equipment without the proper manuals.

Hendricks - I also want to have the parts lists with some of these manuals which need that information.

Fick - So far as I know all maintenance manuals required by us have been submitted. If the owner or architect knows of any exceptions, I request that he let me know.

621. Hughes - I feel that Honeywell should replace heating valves on radiation because of extreme cold temperature on the 7th floor of Unit B.

Kogl - Honeywell should have designed valves to supply radiation.

622. Mellum - The electrical contractor is responsible for a faulty snow melting mat.

Hendricks - The main control box for snow melting mat is open and exposed in record department coffee room, it should be capable of being locked up.

623. Maupin - The accessibility to the sprinkler control in Room 2-144 is a problem.

Hastert - I suggest an access panel in the stairway wall to provide the access.

624. Mellum - We received the results from the conductive floor testing in the ambulatory/surgery area of the first floor. When is Premier going to test in this area? Premier states that in order to finish punch list work on floors 2 and 3 by February 1st that they will need these lists by January 15th and I will need help if I am going to meet that date. Despite these things, however, Premier has items yet to complete which have been going on for months and even years. Why does material on order not come in?

Jahnke - The missing plates are guaranteed to be in by January 27th. Some items on order will not be here by February 1st. I went with Westinghouse over some of the punch list items.

Hughes - At this very late date why are we still waiting for interior light fixtures? For example, why are some of the light fixtures still missing in toilet rooms such as in the surgery area of the first floor?

625. Hughes - The meeting on the demonstration of the Vernitron equipment in Room M-115 will be held at 11:00 on January 15, 1979. So far as the connections between the change-over unit and the tanks pertaining to the ETO sterilizer, the physical plant will make these connections.

Fick - There is also one quarter inch line running from the change-over unit into the ETO sterilizer and we would like to have the owner's personnel put that line in for us too and we will pay for that line on a T and M basis. The sooner this work is done the sooner all three of these sterilizers can be demonstrated to the owner also.

626. Hastert - The booster fans in the operating room suite on the first floor have been replaced.

Maupin - We need letters of certification showing that they have been balanced.

626. Hastert - Going back to item number 613 of the Minutes of December 14th concerning items of mechanical work which have not yet been completed, I bring you up-to-date on all of the items which are still not completed and I will use the same numbers for the items:

Items Nos. 1, 4, and 5 are not completed.

Item No. 3 is questionable

Items Nos. 7 & 9 are completed but have not been demonstrated yet.

Items Nos. 6 & 8 are partially completed.

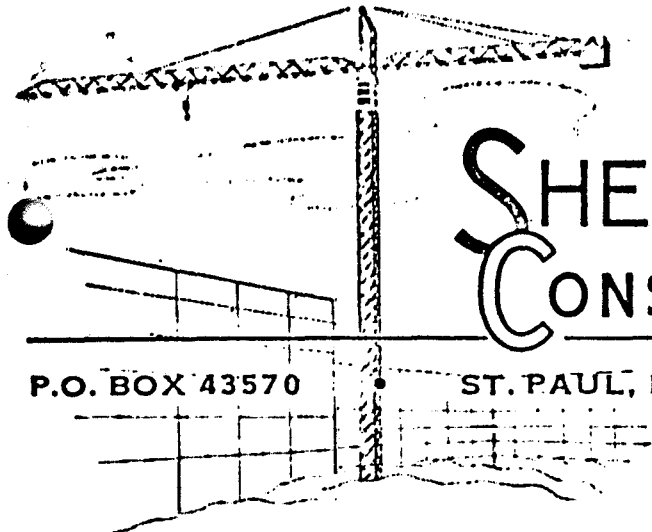
Sprinkler contractor knows what has to be done and has it on paper, I wish he would get over here and finish it.

628. Kogl - Give Spanjers the go ahead on the prep work for the sink caulking in the West area. Hughes will give instructions on a field memo.

629. Swanson - I have found that several rooms on the first floor with the medical equipment installed in them are not secured, the general contractor has to make sure that they stay locked.

Bierma - I can assure you that we securely lock every room after we install the medical equipment. On the first floor some of your own inspection personnel have wedged open some of the doors to the rooms you speak of so that warm air can get into them to help prevent freezing. On the 4th floor after we installed the medical equipment, we found 70% of the rooms with the doors unlocked more than a week after we made the installation and we again locked every door. You can rest assured that the lack of security you refer to is caused by Sheehy Construction and I strongly urge you to see to it that University personnel are following the security they are supposed to be.

THE NEXT MEETING WILL BE AT 10:30 A.M. ON JANUARY 25, 1979.



SHEEHY CONSTRUCTION COMPANY

FEB 8 Rec'd
UNIV. OF MINN.
HEALTH/SCIENCE
PLANNING OFFICE

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 125

1/25/79

IN ATTENDANCE:

- | | |
|-------------------|-----------------|
| * E. A. Kogl | U of M |
| O. W. Hughes | U of M |
| Lindy Anderson | U of M |
| * Jim Hastert | U of M |
| Wally Mellum | U of M |
| Dick Hendricks | U of M |
| Paul Maupin | U of M |
| * Bob Swanson | U of M |
| * Greg Kujawa | U of M |
| * Paul Kopietz | U of M |
| * Don Nelson | Mechanical Data |
| | |
| * George Klein | Hayes |
| Fred Jahnke | Premier |
| | |
| Dick Carlson | HSAE |
| * Duane Blanchard | HSAE |
| * John Patterson | TAC |
| Dave Day | Honeywell |
| * Woody Jensen | Poppenberger |
| Pete Bierma | Sheehy |
| Ken Fick | Sheehy |



* Not Present

Minutes Of Job Meeting #125
January 25, 1979

CORRECTIONS:

629. Fick - The fourth sentence should read: "Lack of security you refer to is not caused by Sheehy Construction".
621. Hughes - This should read heating valves - not values.

REVIEW:

607. Fick - Does Premier have all the punch lists it needs now to make timely completion?
- Mellum - Premier has some punch lists for floors 1, 2 and 3.
610. Mellum - I need a circuit diagram for the automatic sliding entry doors.
619. Bierma - Hastert has not shown me yet what has to be done in the ceiling of Room M-102.
620. Hughes - I will review the matter of the commencement of the warranty period for each appropriate area of the building with Mr. Hendricks and Mr. Maupin in order to set something up which will be fair to all.
621. Day - Honeywell does not have the zone radiation control in the scope of its work. The larger valves have been supplied by Honeywell and are stored on the 10th floor of Unit B - if the owner wants them installed they will have to get somebody to do it.
- Hughes - Mr. Kogl has stated in earlier meetings that the selection of the size of the valves was the obligation of Honeywell and that they are responsible for the installation and performance of the valves.
- Jahnke - May be we should have a separate meeting on this or get the valves installed and argue about the responsibility later.
- Maupin - Apparently the University should install the valves and deduct the cost from someone's payment.
- Carlson - Why is the mechanical contractor not represented at this meeting?
622. Jahnke - The contactor originally supplied is incorrect and will be resupplied by General Electric in four weeks.
624. Jahnke - The missing plates will be here by January 30th. The fixtures will be here by February 5th and the trim by January 30th.
- Mellum - The tests by Premier in the first floor surgery area have not been witnessed by the University and I cannot accept factory made-up test results.
625. Hendricks - We are still waiting for the stainless steel piping for the permanent connections between the change over unit for the ETO sterilizer to the gas bottles.

Maupin - I suggest you make a temporary hookup with copper lines now so that the demonstrations of all three sterilizers in that room can be conducted at this time.

Fick - The meeting with Vernitron was held yesterday as scheduled and Vernitron has again assured us all that the equipment will be running successfully by February 12th.

626. Hastert - With reference to item #613 of the Minutes of December 14th, the following still needs attention by Hayes Contractors: I am not certain yet that the humidifiers in the first floor surgery area are functioning properly. The fire hydrant connections on Unit A per Mod. 187 are functioning now but the I.D. plate is not on yet and the pump station location has not been accepted by the owner yet since it was changed by the contractor. The 140 degree circulating hot water pump in the basement and the domestic water booster pump are functioning now but neither has been demonstrated yet. The work on the status of problems with fume hood exhaust systems and the distilled water system and alarm check out have still not been completed.

NEW BUSINESS:

630. Hendricks - The damper motor on S-3 has to be replaced, it is inoperable.

Day - If the motor came with the unit, we do not replace it. Problems such as this should be directed to me and not to Kenny Krogh.

Mellum - Day, when you check out these problems please let me know of the outcome.

631. Mellum - S-14, S-15 and S-2 will not start. If Premier can get their plates in so that other contractors can finish their work, we will be okay in being out of the owner's way when they want to move in which is on February 24th. The isolated power supply could be a problem if not taken care of soon.

632. Fick - We have not received any reply from Mellum or HSAE on Ray Proof's last letter concerning the R. F. Shielded Rooms on the 1st floor.

Mellum - The contractor's should get completed in those two rooms so that the owner can effectively use them.

633. Fick - At the beginning of the project Mr. Kogl layed out the ground rules and one was very clear that our liaison was to be with the construction field office personnel and HSAE only. We were to have no dealings with hospital or user personnel. It is, therefore, unfair for user personnel who are not construction oriented to be making out punch lists containing (in many cases) trivial items while owner employees are in some cases so careless that they do such things as wheel equipment through door openings without unlatching doors and thereby knocking the doors right off the butts.

Maupin - I do agree with you on this and we must overlook things you are not responsible for.

634. Hughes - The black floors in the first floor surgery area are near acceptance.

635. Day - The sound system on F. M. will be shut down all day tomorrow for repair.

Mellum - Let me know when he is completed.

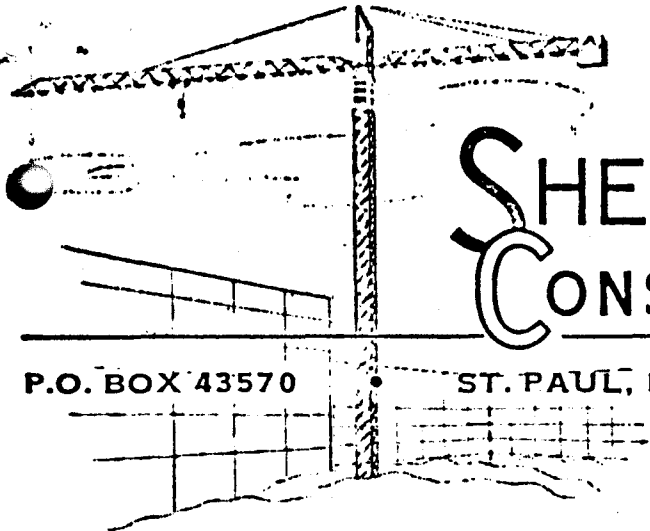
636. Mellum - I received a letter from the Straughan Hardware Company concerning the electric sargent locks on the 10th floor. What is happening is that persons unknown are placing materials in the strikes and other things are being done to hold the latch bolt back. This action creates stress on the electrical components and burns the locks out. Obviously the factory will not warrant the locks under these conditions.

637. Mellum - When the emergency generator is in operation, we get diesel exhaust fumes on the 4th floor.

638. Hendricks - The S-9 controls need attention. The automatic sliding entry doors should have some sort of panic device to permit exit from the building when the doors are locked. Westinghouse has some bad control problems with some of their elevators.

639. Carlson - I requested revisions on composition on elevator #9 (presently number 19) on January 16, 1979 and have not received any reply from Westinghouse yet.

THE NEXT PROGRESS MEETING WILL BE AT 10:30 A.M. ON FEBRUARY 8, 1979.



SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 126

2/8/79

IN ATTENDANCE:

* E. A. Kogl	U of M
O. W. Hughes	U of M
Jim Hastert	U of M
Wally Mellum	U of M
Dick Hendricks	U of M
* Paul Maupin	U of M
Bob Swanson	U of M
Greg Kujawa	U of M
* Paul Kopietz	U of M
* Don Nelson	Mechanical Data
* George Klein	Hayes
* Fred Jahnke	Premier
Skip Norton	Premier
Dick Carlson	HSAE
* Duane Blanchard	HSAE
* John Patterson	TAC
Dave Day	Honeywell
* Woody Jensen	Poppenberger
Pete Bierma	Sheehy
Ken Fick	Sheehy
* Earl Romnes	Westinghouse

* Not Present



CORRECTIONS:

- 639. Hughes - The word composition should read compensation instead.
- 631. Kujawa - The owner will move in during the week ending February 24th rather than on February 24th.
- 621. Day - In the scope of its work Honeywell does not have zone radiation control but it does have radiation convector control. I want to add that Honeywell sized the valves properly per the data we were given from the engineer.

REVIEW:

- 607. Norton - We have all the punch lists now for floors 1, 2 and 3.
- 621. Hastert - We are working on a solution for a problem to the radiation control in the Unit B.
- 624. Norton - We are still waiting for some plates but we did receive all of the missing fixtures and trim and they have been installed in the toilet rooms in the first floor surgery area.
- 625. Fick - The demonstration of the vernitron equipment will be on Monday, February 12th at 11 a.m. in the first floor surgery area and at 1:30 p.m. in the Mezzanine West area.

Mellum - Make sure that the washer/radiant heat dryer in the basement is included in the demonstration also.

- 631. Norton - A representative from General Electric is coming here to help solve the problem of the isolated power supply.

Hendricks - Please let me have the date when this representative is going to be here.

- 632. Fick - So far as the R.F. Shielded rooms are concerned, the warranty started when you received Ray Proof's last letter from us.

Mellum - The two shielded rooms on the 1st floor are grounded again and I am getting help from the University electrical people to try to resolve the problem.

Hughes - Paul Kopietz has set up a task force to look into the problems with these shielded rooms.

- 636. Carlson - We received a copy of the letter from L.C.N. concerning the lobby door hold openers. I hope that this letter is not to serve as an answer to the problem.

Bierma - The purpose of the letter was to show everyone how the problem developed. Bill Banks has presented Oliver Hughes with an idea to install an electrically controlled magnet to hold open these doors which swing open into a corridor where traffic can run into the door if not held open within three inches of the frame. Oliver Hughes wishes to wait until Gene Kogl gets back before making a decision on this.

Kujawa - We have a problem with the vision seal on the doors to the OBGYN clinic toilets, they seem to be too tight.

Hughes - I have asked Mr. Hendricks to look into solving the problems we have with the automatic flush bolts in the inactive leaf of the oversized hollow metal doors.

637. Mellum - The problem with the diesel exhaust fumes is getting worse rather than better.

Hughes - Apparently we should be looking at Mechanical Data for an answer to this problem.

638. Mellum - Do we have a separate circuit breaker for heaterkit on the automatic sliding entry doors?

639. Carlson - I would like to have some sort of a reply from Westinghouse on the observation of the rope/chain use on elevator #19.

626. Hastert - The humidifiers have been changed but are not checked out yet. The I.D. plate has been installed on the fire pump. We still have the same problems with the fume hoods. The switch on the distilled water system has been installed and functions. The alarm system problem has been taken care of.

NEW BUSINESS:

640. Hendricks -
- (1) All contractors are requested to return all University of Minnesota keys.
 - (2) The emergency generator exhaust pipe is too short from the basement.
 - (3) There is a lever door handle problem throughout the building.
 - (4) I question the control of fan S-10. What about damper tightness?
 - (5) There is a problem with the temperature of the cold water in the building. We cannot get the temperature of the cold water lower than 90 degrees Fahrenheit.

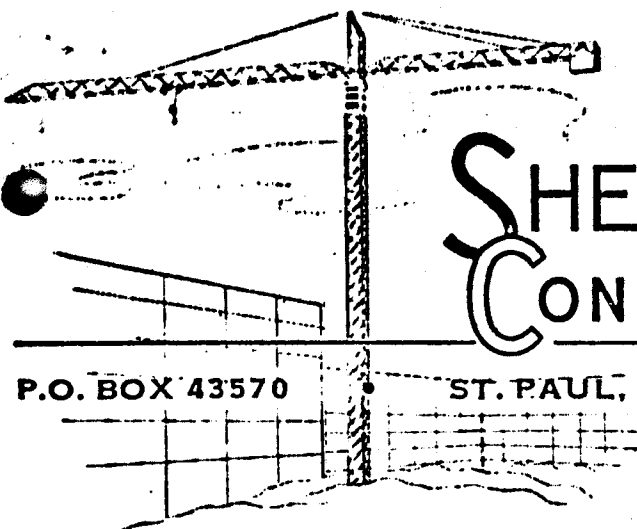
Swanson - take this cold water problem to Pete Merz.

641. Kujawa - When are the problems with the rolling shutters going to be taken care of? The bottom of the counter shutters should stop a few inches below the ceiling in the up position so we can insert the pull easier and we also need a demonstration.

Bierma - After our subcontractor had installed about 10 or 12 of these shutters we were told that the shutters should stop about 1½ inches below the ceiling when in the up position which would be lower than that shown on the drawings. At our expense then we corrected all the shutters which had been installed up to that time moving them down to the desired 1½ inches

below the ceiling. A few days later Mr. Carlson noticed that the shutters stopped this 1½ inch distance below the ceiling and informed us that he did not like the looks of that and wanted them flush with the finish ceiling. To accomodate then we moved the stops back up so that the shutters stopped flush with the ceiling.

Fick - We regret that there are still some problems with the rolling shutters and we will work to get them eliminated.



SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 127

2/22/79

IN ATTENDANCE:

* E. A. Kogl	U of M
O. W. Hughes	U of M
Jim Hastert	U of M
Wally Mellum	U of M
Dick Hendricks	U of M
* Paul Maupin	U of M
* Bob Swanson	U of M
Greg Kujawa	U of M
* Paul Kopietz	U of M
* Don Nelson	Mechanical Data
Ernie Breuer	Ray Proof
* George Klein	Hayes
* Fred Jahnke	Premier
Skip Norton	Premier
Dick Carlson	HSAE
* Duane Blanchard	HSAE
* John Patterson	TAC
* Dave Day	Honeywell
* Woody Jensen	Poppenberger
Pete Bierma	Sheehy
Ken Fick	Sheehy
Bill Banks	L.C.N.

* Not Present



Minutes of Job Meeting - Unit B/C - #27
February 22, 1979

CORRECTIONS:

631. Norton - Should read inverter not isolated power supply.

REVIEW:

636. Banks - There are lobby doors in this project where a positive single point hold open would solve the problem of doors holding open in a traffic area.

Hughes - The architect and Mr. Kogl feel that they have 180 degrees or within 3" hold open coming on all lobby doors.

Banks - We will modify to correct to within 3" which shows in your specifications. Whether L.C.N. is willing to correct all doors I don't know. All electric closers and Von Duprin handles will be replaced.

632. Fick - R. F. Shielded Rooms are still grounded out. I received a letter from Mellum this morning concerning the rejection of these rooms.

Brewer - I am an installer from Ray Proof not an engineer. In the last few days I have tried basically everything to clear these rooms. When our man left this job last year these rooms were clear.

Mellum - University engineers have a 1.5 volt power supply that will show the approximate location of ground problems. I will try to get them over here to help us out after mechanical lines have been disconnected and proven not to cause problems.

Fick - Why didn't you sign the test results and lock these rooms up after they had been cleared by Ray Proof like I asked you to do several times last year.

Mellum - Duct tape was used over top of screw heads before screen was installed. Specifications read that it should have been 20 mil plastic.

Fick - Why did you not stop us when you saw that duct tape was used instead of plastic.

Mellum - I did not know at that time that you were using duct tape.

Brewer - Duct tape is a standard isolator that we use over screw heads in most cases. We never have had any problem with it. Ray Proof thinks that it is not just a few screws that cause this grounding problem but something disconnected to eliminate a possible short in them.

Mellum - Who is responsible for soldering screen to the unions.

Brewer - If plumbing was complete before screen was installed, it should be the responsibility of whoever installed the screen. The punch list items on door clearance are not valid because doors are installed correctly. With required contact around the doors you cannot expect an easy operation.

Mellum - Door in Room 1-215 has too much clearance on lower end and fingers do not make contact.

621. Hastert - Larger valves installed seem to correct the problem in Unit B.

626. Hastert - Humidifiers have been checked out but the one in the recovery room does not work.

Hughes - Norm Cronforest will be here next week to trouble shoot Hamilton's problems.

Hendricks - Has distilled water system been cleaned?

Hastert - I will check on this.

641. Fick - Cornell is devising a system to receive the pull by installing a sliding handle in the lip of the bottom rail.

NEW BUSINESS:

642. Hendricks - What about leaks? Doors to Masonic Hospital should be able to be secured.

643. Mellum - R. F. Shielded Rooms - who is going to monitor the work on this? Step #1 - plumber disconnect mechanical and Step #2 - we will try to pinpoint the problem.

644. Carlson - Unresolved Mods: 72E - Has not been processed.
80P - Is \$875.00 acceptable to you, Mellum?
123F - ?

Hughes - Have not had an answer yet from Kogl with regard to Mod 212A.

Carlson - Mod. 231P hasn't been received back from the U of M.
Mod. 243E - Hasn't been received back from the U of M.

645. Kujawa - Sprinkler head problems in several areas (radiology). Black lube coming out. Who will clean black marks from wall? Room 4-127 is not lightproofed. Circuit breakers are off in some areas. Who is responsible for turning them on? We need temporary locks on the 3rd floor.

646. Hughes - Mosler's telelift is completed. Insulator is contacted to insulate 2nd floor airshaft 37. We need information on maintenance for composition floor from Sander.

NEXT MEETING IS 10 A.M. ON MARCH 8, 1979.