

# SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING UNIT B/C #81 - 9/1/77

IN ATTENDANCE:

Ray Anderson	Hayes Contractors
*George Klein	Hayes Contractors
James Hastert	U of M
*Don Nelson	Mechanical Data
Paul Maupin	U of M
Ed Palm	Westinghouse
Jim Lang	Wm. Poppenberger & Son
Joe McCormick	U of M
Joe Palla	U of M
R. P. Campbell	Campbell & Company
James Culligan	Premier
*John Bellair	Premier
Jim Fallon	U of M
*Paul Kopietz	U of M
Gene Kogl	U of M
Dick Hendricks	U of M - Physical Plant
Bob Swanson	U of M
*Greg Kujawa	U of M
Dick Carlson	HSAE
*Duane Blanchard	HSAE
*John Patterson	TAC
Rich Sievers	Honeywell, Inc.
*Felix Hernandez	Mosler
O. W. Hughes	U of M
Wally Mellum	U of M
Steve Greene	U of M
John Roettger	Sheehy
Pat Whalen	Sheehy
Ken Fick	Sheehy

\* Not Present

CORRECTIONS:

205. Culligan - Despite what Hastert says the Modifications are holding up the basic equipment completion for electrical work.

Kogl - My statement is intended to say that we have problems now that are not indicated by the CPM print out.

Anderson & Hughes - We agree with Hastert's statement.

REVIEW:

234. Anderson - The fourth statement (by Sievers) is incorrect.

Sievers - I should have said we were caught up to you at a point two weeks prior to that time but I was on vacation afterwards and got behind. I am saying now that we will be ready to control the heating on October 1, 1977.

Mellum - As of right now, I don't know which way the dampers will be set.

Roettger - We need everyone complete and checked out so that we can place the ceiling pads.

✓225. Carlson - We are still waiting for word from Premier and Hayes as to whether or not there will be any additional cost for the link going to Mayo. There is an opening in Mayo now and you should be able to check and see.

Culligan and Anderson - We cannot tell you whether or not there will be additional charges from us until the steel is installed so that we can see what the circumstances are.

231. Hughes - The 3rd paragraph is attributed to me whereas it was made by Mellum. I agree, however, that what it says is true.

✓184. Roettger - Six weeks have now passed since we had our meeting here with Tuttle of the Ray Proof Corporation. Due to problems and indecisions between Premier and the owner nothing has been done since which will permit us to proceed with the work. This lack of action is preventing us from finishing the 9th floor.

Culligan - We have written a letter to the owner explaining all of this and we are waiting for his decision.

✓207. Anderson - The plan with the new elevations between Diehl, K. E., and Powell Hall are out now and the drains are changed. There could be a nine week delivery on these new drains.

Kogl - We will get something going on this, if the price is different for the drains maybe it would be easier to write a Mod. now.

✓217. Culligan - Our cost breakdown for Mod. 144 is in the mail.

Kogl - When we get all the prices, we will let Anderson know so that if possible he can get in his order for the equipment.

218. Roettger - We need car #6 until at least October 15th due to a delay caused by a Modification. We will need the hydraulic elevator shaft to get block down to the mezzanine floor.

205. Campbell - At this point or after one more week we are finished with our services on this project. We are holding the job in system. We will be available to help any time.

✓224. Hughes - Nothing in writing yet on the status of the four precast benches - will issue a letter to Fick as soon as we know.

✓(227). Fick - We are still waiting for the keying schedule for the plastic laminate casework and the lock schedule for the metal lab casework both for Mod. 120.

Swanson - I will get this for you.

230. Culligan - So far as the switch for the corridor lighting is concerned, we will have this done by the meeting next week.

234. Culligan - The compressor is running.

✓235. Roettger - What do we do when there are disagreements concerning punching out between contractors and inspectors?

✓Mellum - For example we have a problem with the electrical whips. I will put out a letter on this.

✓Culligan - We feel we are right. The whips are standard so the lights can be removed and worked on.

NEW BUSINESS:

✓236. Anderson - I have been delinquent in not getting our revised breakdown in for Mod. 139. I will have it here next week.

Carlson - The electrical breakdowns for Mods. 159 and 155 are still not submitted.

Roettger - The lack of resolution on these Mods. is hurting us real badly now.

- ✓237. Roettger - We have problems with time schedules due to a continual problem with Premier undermanning the job. With water pump being tagged by Mellum, when can we have drinking water?

Culligan - We had a meeting with our foremen and we hope to be able to expedite the schedule.

Kogl - The life of the water fountain units are so short we do not want to use them for construction.

- ✓238. Anderson - If everything is not ready for heating by October 1st, we will be going back to heating period 'A' which means we will need fitters on standby nights and weekends. Parts of the system will have to be drained.

Sievers - As I stated previously, we will be ready to control the heating by Oct. 1st. The covers on the thermostats are wrong - we are allowed to use some plastic.

Culligan - We will have things under control for heating by Oct. 1st also.

Mellum - We need the system with protective controls on them. I don't see how it will be possible as some drawings are not in and approved yet on wiring.

Hughes - There will be a meeting on all of this here in this room at 10:30 a.m. tomorrow morning.

- ✓239. Mellum - We need the site lighting now as the days are getting shorter.

- ✓240. Hughes - Mechanical Data needed on volume dampers to see if opening will be checked as job progresses.

- ✓241. Swanson - I will check to see if the owner wants fire protection on the 7th floor and let Hughes know accordingly.

Lindholm - Clean up should be done well before units are started up. On Unit 'A' many fume hood motors burned out before the warranty was up.

Hughes - We need clean up now in the mechanical room of Unit 'A'.

Culligan and Anderson - We will each send our men to do this clean up.

✓242. Roettger - We are starting ceilings now in the tunnel from K. E. to Unit 'A' so we will have to use this area jointly. How can we handle security?

✓Kogl - Use hard hat signs - we generally have had good results with them.

✓243. Mellum - We have a lot of fixtures stored in the Unit 'A' switching vaults. Culligan will you take what you need and let me know so I can get rid of the rest.

✓244. Carlson - The delay on cost breakdowns for Modifications is unreasonable and hurting everyone. Mod. 144 is over three months old, 155 is two and a half months old, 159 is more than two months old. As of now, I do not have the electrical breakdowns for any of these three Mods. The issuance of Phase II working drawings for bid has now been set for some time between the middle and the end of Sept.

✓245. Hendricks - I would like to be on the punch out of floors for informational purposes. The tunnel access is critical, can you expedite?

✓Roettger - Our date is Sept. 15th - we will try to speed it up.

✓Hendricks - We expect to open the Unit 'A' dock in early October. We still have a problem with water in Unit 'A' southwest corner over the garage.

✓Roettger - We hope that we are helping that now since we are in the process of opening up areas of waterproofing. We believe that your water was coming from the Unit 'A' plaza.

SHEEHY WORK SCHEDULE

\* 5-9012. PUNCH OUT ABOVE CEIL. 12-B+C

WED. 8-31-77

P. 6-4630 - LATH 3RD

HAM. 5-5839. CSWK-7TH

P. 6-3830. CEIL. 3RD SE

LSI. 5-5848. CSWK 8TH

S. HOWE. STAIR "A" 7, 12, 11

PRE. CONDUIT WALLS. MOD 94 11.

THUR. 9-1-77

PRE. CONDUIT WALLS - MOD-69 2ND

A.S. 5-8448. UAT. 8TH

S. POUR TOPPING. S-47-DIEHL

J.N. 6-4822 PRIME DRS 2ND

P. 5-4255. DRYWALL 5TH

PRE. CONDUIT WALLS. 1ST FL

FRI. 9-2-77

CLEAN UP DRY

J.N. FIN PAINT. ST "A"

S. POUR TOPPING DOGRUNS

L.SI. COMPLETE FIRE CAB

BBB. POINT & CLEAN. PRECAST

PRE. CONDUIT WALLS. BSMT

MON. 9-5-77

S. POWELL HALL. SIDEWALK

PRE. PLATES. 12TH B+C

\* S. PUNCH OUT 7TH + TURN OVER. S. CLEAN W PLAZA

ARR. PAVERS. DELAWARE "A" UNIT PARK. FILL. SO PLAZA

TUES. 9-6-77

\* 5-9021. PUNCH OUT ABOVE CEIL. 11-B+C

SDN. SEAL 12TH O.R.

N.H. - WP - WEST PLAZA

✓ P. CEIL BD. 12TH FL

S. 6-8620. HANG DOORS EN

WED. 9-7-77

FRI. 9-9-77

J.N. 5-4864. PRIME 4TH

CLEAN UP

P. WALLS. 3RD FL

MON. 9-12-77

THUR. 9-8-77

\* TURN OVER. 12-B+C TO OWN.

SDN - 6-5404. COND FLR BSMT

TUES. 9-13-77

S. 7-9034. CLEAN (13+14) ✓ P. CEIL BD. 11TH FL

PREVIEW SCHEDULE  
 SEPT. 1, 1977 - SEPT 8, 1977

5-6412	SURFACE WIRE MOLD	12 <sup>TH</sup> FLOOR
5-6421	SURFACE WIRE MOLD	11 <sup>TH</sup> FLOOR
5-7512	ELECTRICAL PLATES	12 <sup>TH</sup> FLOOR
5-7521	ELECTRICAL PLATES	11 <sup>TH</sup> FLOOR
5-8912	TEMP. CONTROL SUB. COMP.	12 <sup>TH</sup> FLOOR
5-8921	TEMP. CONTROL SUB. COMP.	11 <sup>TH</sup> FLOOR
6-3004	FEEDER CONDUIT	BASE WEST
6-3015	FEEDER CONDUIT	1 <sup>ST</sup> WEST
6-3024	FEEDER CONDUIT	2 <sup>ND</sup> WEST
6-3902	BRANCH CONDUIT - CEILING	BASE - 0-6
6-3903	BRANCH CONDUIT - CEILING	BASE - 8-9
6-4402	BRANCH CONDUIT - WALLS	BASE 0-6
6-4403	BRANCH CONDUIT - WALLS	BASE 8-9
6-5002	RECESSED LIGHTING	BASE 0-6
5603	RECESSED LIGHTING	BASE 8-9
5610	RECESSED LIGHTING	BASE 0-6
5612	RECESSED LIGHTING	BASE 8-9
5619	RECESSED LIGHTING	1 <sup>ST</sup> EAST
4312	BRANCH WIRE - CEILING	1 <sup>ST</sup> N.W
4319	BRANCH WIRE - CEILING	1 <sup>ST</sup> ST. 8
4512	BRANCH WIRE - WALLS	1 <sup>ST</sup> N.W
4519	BRANCH WIRE - WALLS	1 <sup>ST</sup> ST. 8
7107	ELECT. TRIM & FINISH	1 <sup>ST</sup> N.W
7115	CONNECT MOTORS	1 <sup>ST</sup> ST. 8
		7 <sup>TH</sup> FLOOR
		15 <sup>TH</sup> FLOOR

## Plumbing

- 1) Sleeve & insert AS NECESSARY
- 2) 6-0404 Horiz. Plumbing Basement west
- 3) 6-0405 Horiz. Plumbing stack #7
- 4) 5-6239 Plumbing Finishes 9<sup>th</sup> Floor.
- 5) 6-0406 Plumbing Rough-in West Mezz.
- 6) Plumbing Fixtures on 12, 11, 9, & 8.
- 7) 6-0415 1<sup>st</sup> Fl. West work cannot start. Mod. #155-P
- 8) R.W. Leaders - 2<sup>nd</sup> Floor west

## Heating

- 1) Sleeve & insert AS NECESSARY
- 2) 8-1403B - STANDS AND EQUIPMENT BASEMENT
- 3) 8-1415A - Heating MAINS 15<sup>th</sup> Floor.
- 4) 8-1415B - STANDS AND EQUIPMENT 15<sup>th</sup> Floor.
- 5) 6-1406 - Horiz. Heating west Mezz.
- 6) 8-1403C - FINAL Htg. Hook up Basement.
- 7) 6-1405 - Horiz. Htg. BASE. stack #7
- 8) 8-2610 - Heating Finish 10<sup>th</sup> Fl. Equip. Room



## Sheet Metal

- 1) 5-5221 - Sheet Metal Finish - 11<sup>th</sup> Floor.
- 2) 5-5239 - " " " 9<sup>th</sup> Floor.
- 3) 5-5248 - " " " 8<sup>th</sup> Floor.
- 4) 8-0603 - Horiz. Duct work M-73
- 5) 8-0604 " " " M-74
- 6) 8-0606 " " " M-76 - West Mezz.
- 7) 8-0615 " " " 15<sup>th</sup> FL. Equip. Room
- 8) 8-0605 Horiz. Duct work stack #7 Base.
- 9) 8-2610 - Finish on sheet metal also.
- 10) Sleeve as Required

## Pipe Covering

- 1) 8-1803 - Pipe Covering Base. Equip. Room
- 2) 8-1810 " " 10<sup>th</sup> FL. Equip. Room.
- 3) 8-1815 " " 15<sup>th</sup> FL. Equip. Room
- 4) 7-1865 " " 5<sup>th</sup> FL. Complete.
- 5) Pipe covering 3<sup>rd</sup> FL. in wall work.

## Sprinkler Fitter

- 1) 5-5621 - Sprinkler Finish 11<sup>th</sup> Floor
- 2) 5-5639 - " " 9<sup>th</sup> Floor
- 3) Sleeve & insert as necessary
- 4) 6-1606 Horiz. Sprink west Mezz.
- 5) 6-1632 " " 3<sup>rd</sup> Floor stk. 4-6
- 6) Fire Cabinets - All Floors - All Stairways.
- 7) Work on Mod. # 145 -
- 8) Tie-in between unit "A" and unit B/C
- 9) 8-1603 Horiz. Sprink. Base. Equip Room Complete.

*Swanson*



UNIVERSITY OF MINNESOTA  
TWIN CITIES

Unit B/C Construction Office  
Health Sciences Expansion  
611 Delaware Street S.E.  
Minneapolis, Minnesota 55414

September 7, 1977

THE FOLLOWING MODIFICATIONS ON THE ATTACHED SHEETS ARE NOT FINALIZED  
FOR ONE OF SEVERAL REASONS. THIS IS AS OF SEPTEMBER 7, 1977.

O.D.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
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	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	General to requote
128-A*	Stair G	Mechanical	3/29/77	T & M
136-A*	Aud. seating	General Electrical	4/14/77	Electrical T & M
139-A*	Revise the location of service sink 1-78	General Mechanical	4/22/77	U of M Evaluate
142-P	General Work for MTS	General	5/19/77	U/M Evaluate

O.D.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
144-P*	Revise portion of 2nd floor to accomodate computer power relay equipment	General Mechanical Electrical	5/19/77	U/M Evaluate
145-E*	Provide & install 8" detector check valve	Mechanical	5/20/77	T & M
150-E*	Mechanical work for MTS	Mechanical	7/20/77	Mechanical to sign
152-P*	Furnish & install permanent equipment for Elevator #1	General Electrical Vert. Trans.	6/13/77	Contractor to sign
153-A*	Electrical items coordination	Electrical	6/6/77	U/M to Evaluate
155-P*	Provide work and material to accomodate MTS	General Mechanical Electrical	6/15/77	Electrical to quote
159-P*	Revision to room 9-138	General Electrical	6/24/77	Electrical to quote
164-P	Reverse door swings on 2nd floor	General Electrical	8/5/77	Gen & Elec to quote
165-P	All provision for intrusion system	General Electrical	8/5/77	Gen & Elec T & M
166-P	Revisions to 8th floor	General Mechanical Electrical	8/5/77	Gen. & Elec to quote
167-P	Revisions to 3rd floor	General Mechanical Electrical	8/5/77	Gen. & Elec. to quote
173-E	Omit full height masonry wall - new 8" concrete wall between these rooms & parallel to Grid F8	General	8/23/77	General to quote





**SHEEHY  
CONSTRUCTION COMPANY**

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

*Don't ask about K/E access  
yha  
Don't if floor is not done  
...  
...  
...  
Don't \* at the summit  
... (Monday)  
... (Sept. 15, 77)*

MINUTES OF JOB MEETING UNIT B/C #82 - 9/8/77

IN ATTENDANCE:

R. Magnuson	Westinghouse Elevator
Jim Fallon	U of M
*Paul Kopietz	U of M
*Joe Palla	U of M
Dick Hendricks	U of M - Physical Plant
Jim Culligan	Premier Electric
*John Bellair	Premier Electric
Ray Anderson	Hayes Contractors
*George Klein	Hayes Contractors
Joe McCormick	U of M
Gene Kogl	U of M
Dick Carlson	HSAE
*Duane Blanchard	HSAE
*John Patterson	TAC
Greg Kujawa	U of M
* Bob Swanson	U of M
*Paul Maupin	U of M
*Felix Hernandez	Mosler
O. W. Hughes	U of M
Wally Mellum	U of M
Stephen Greene	U of M
John Roettger	Sheehy
*Pat Whalen	Sheehy
Ken Fick	Sheehy
Jim Hastert	U of M
Jim Lang	Wm. Poppenberger & Son
Rich Sievers	Honeywell

**RECEIVED**

SEP 15 1977

UNIV. OF MINN.  
HEALTH SCIENCE  
PLANNING OFFICE

*\* 2:15  
\* clean & punch  
... the meeting  
... 2:15, 77*

\*Not Present

REVIEW OF THE REVIEW:

✓184. Kogl - The letter I received from Bellair on the electrical boxes for the Shielded rooms is not sufficiently clear. I request that Bellair get together with me regarding this matter so that I can take a positive stand and decide what to do.

✓207. Anderson - The drains were ordered yesterday. The curbs can be installed and then stopped about two feet from the drain. I am supposed to learn the delivery date of the drains and grates soon. *to be in today*

217. Carlson - We have received the cost breakdown for Mod. 144 from Premier and it has been sent onto the owner.

235. Fick - What procedure do the primes follow when there are disagreements concerning punching out between contractors and inspectors?

Kogl - The items will be put on the punch list and will be resolved later by discussion.

225. Carlson - I request that Sheehy advise the extra they are asking for for the connection of the Mayo link. Premier has advised with some qualification that there will be no extra requested from them. Lamb has not committed themselves.

REVIEW:

236. Anderson - Our revised quotation for Mod. 139 was mailed yesterday.

237. Hastert - The water fountains will be running when Hayes gets the pump running.

Kogl - It is okay to run the water but not the chiller since the life of the chiller is only about five years.

✓238. Sievers - We will be ready to control the heating system by October 1, 1977.

Anderson - I will set up the schedule for checking out of equipment.

239. Culligan - The site lighting will be taken care of today.

240. Hughes - Mechanical Data checked out the 12th floor and it looks good. Work can proceed and they will follow up.

241. Anderson - I will have the fire protection on the 7th floor activated by September 12, 1977.

242. Roettger - The lights will have to be left on in the corridor for the work in the tunnel to proceed from K.E. to Unit 'A'.

Kogl - So far as security is concerned, Hard Hat Signs will work most of the time but Sheehy will have to do better than they did on Delaware Street.

✓244. Carlson - We are still waiting for the electrical cost breakdown for Mods. 155 and 159. As stated at previous project meetings, this is an unreasonably long wait. *wait on 155 2/10/77*

Fick - There is hardly any point in having any more Mod. meetings since without breakdowns from the Electrical Contractor the Mods. which need to be resolved are not getting settled.

245. Hendricks - There will be a temporary opening of the Unit 'A' dock some time in October.

Fallon - The demolition work on the apartments for Unit 'F' is supposed to start today.

NEW BUSINESS:

✓246. Carlson - We request that the prime contractors furnish us two sets of the operation and maintenance manuals as soon as they are available. We will accept them in piecemeal manner and make sure they are complete before turning them over to the owner.

✓247. Roettger - Some of the areas in which the painting is complete have not been protected by contractors working in finished areas. Our painting contractor has painted some areas three times. We earnestly request the cooperation of all concerned in protecting areas where the painting is complete.

Premier is behind on the 9th floor - there are no lights on the South side.

Culligan - We need a console unit to turn on the lights. There is one required for each exam room. I am splicing wires so that the lights can be turned on.

Roettger - Mellum informed me after the meeting that a special plug connection was needed and Premier was advised of this one year ago. We are trying to complete the job but we do not get the Electrical Contractor's cooperation. All they need is more men.



Culligan - It is impossible to keep up because the General Contractor is working all over the building.

- ✓ 248. Roettger - We tried to get direction from the owner or architect concerning the work in the Air Chambers beginning in August, 1976. Finally in January, 1977 we received a letter from Jerry Ritter from which we ordered our materials and commenced work. Subsequently a letter from Dick Carlson changed part of the Ritter letter. The owner and architect should read and study the plans and specifications because they are not correct in asking for any credit for this work. We are in the process now of writing all of this matter up to Mr. Kogl.

Greene - As soon as we receive your letter, we will set up a meeting to resolve this matter.

- ✓ 249. Hendricks - The Delta 2000 parts should all be in by next week.

Hughes - University personnel will make the installation. We will advise the completion date as soon as we can.

Kogl - The contractors should submit priorities. The sprinkler system must be operating and there should be a bell some place in case of fire so that the system may be shut off. The sprinkler alarm system must be operable.

- ✓ 250. Greene - The Mods. are a problem. Some subcontractors are not checking on them well enough before performing their work. Your resilient flooring subcontractor shows some confusion on the job.

Fick - As we receive approved Modifications from the owner, we follow up in writing to all affected subcontractors and material suppliers at once.

- ★ 251. Swanson - Has the Mod. 94 work on the 11th floor been started yet?

Greene - The electrical is wiring now.

Anderson - The equipment is being hooked up on 10 and is complete on the 11th.

Roettger - The studs are up - the frames are set waiting for the electrical. We will start on walls and ceiling pads.

- ✓ 252. Fick - I talked to Brandt Airflex and they said they would be shipping the escalator rail connections in seven to ten days.

Roettger - I request that Westinghouse take over elevator #6 now and leave the hole in the West area for the hydraulic elevator available to us so that we can lower blocks down through the shaft.

Magnuson - We agree and will start on number 6 now.

- ✓ 253. Kogl - The church lot is a mess.

Roettger - We have been cooperating with the church in the use of this lot. We keep most of our people out of the area but yesterday the lot was full because of a funeral. We will put up a post so that trucks cannot exit thru the church lot.

- ✓ 254. Kogl - So far as the floor trench in room 3-141 is concerned, it boils down to the April, 1976 understanding between Culligan and Sheehy. I feel the responsibility is in the hands of Premier. Sheehy is a subcontractor to Premier and should be paid by Premier.

Fick - The trench for room 3-141 does not show on either the architectural or structural plan, so we had no way of knowing there was anything there. How do we collect for our extra work?

Kogl - You make a claim and the owner will hold the money out of Premier's contract if necessary. I am writing a letter to Premier about this matter now and it will be resolved.

- ✓ 255. Hendricks - Unit 'A' clean up is okay now. The Mayo pipe space and mechanical rooms need cleaning. Also the pipe covering in Unit 'A' still needs to be done.

Anderson - I will look into the Mayo clean up and also get the pipe covering done in Unit 'A'.

- ✓ 256. Hughes - All inspections must have a contractor representative available to go on the punch out with the inspector. I will notify Dick Hendricks also.

- ✓ 257. This item pertains to the Modification Meeting which followed the regular meeting:

Fick - Premier Electric is holding up the resolution of the Mods. we are most concerned with now since they do not have their breakdowns in yet and unfortunately Jim Culligan has left and is not in attendance at this meeting.

Kogl - I am giving Hayes the authority to start work on Mod. 155.

Hughes - Al Newcomer has the information.

Mellum - The general must install stair 'G'.

Kogl - So far as Mod. 159 is concerned, what is involved?

SHEEHY WORK SCHEDULE

9-6-77

PREMIER - OWNER TO OCCUPY BSMT. SEPT 14-77. PER CPM

WED. 9-7-77

* 5-9021. REQUEST PUNCHOUT - 11-BEC. <sup>ABOUT</sup> CEIL. - S. POWELL HALL WALK	S. HOWE COMPLETE 12
S. 6-8620. HANG DOORS - 2ND FL	PRE. CONDUIT WALLS. MOD. 69
P. 6-4630. LATH 3RD FL	

THUR. 9-8-77

P. CEIL COMP. K+E-A.	S. HOWE. STAIR "A" - 11-7
S. TOPPING S-47. DIEHL	S. CLEAN WEST PLAZA
ARR. PAPERS DELAWARE	PRE. CONDUIT WALLS - 1ST

FRI. 9-9-77

CLEAN UP DAY	P. 6-3830. CEIL 3RD FL SO SIDE
SAN. 6-5404. COMP FL "K+E" "A"	P. WALLS. 3RD STADS.
S. 7-9034. CLEAN 13 + 14.	S. BL - 1ST FL WEST.

MON. 9-12-77

PRE. CONDUIT WALLS BSMT.	LSI. COMPLETE FIRE CAB.
S. HANG DOORS. 4TH FL	P. COMPLETE LEAD ON 11TH
* N.H. WP - WEST PLAZA	JN. COMP. DOORS 9 + 11

TUES. 9-13-77

BOB. POINT & CLEAN TO CONTINUE.	HAM. CSWK - 8TH COMP.
JN. COMPLETE - 12TH	P. 9TH FLOOR WORK COMP.
ALPANA. ADJUST WOODS - 12 + 11TH	S. START - 9-135.

WED. 9-14-77

PRE. CONDUIT WALLS 3RD  
 JN. FIN DOORS - 6TH

THUR. 9-15-77

P. CEIL BD. K+E-A  
 S. START. / - 214 + 215

FRI. 9-16-77

\* PUNCH WORK COMPLETE 12TH

MON. 9-19-77

P. CEIL BD. 12TH FL

TUES. 9-20-77

\* PUNCH WORK COMPLETE. 11TH

PREMIER SCHEDULE  
 SEPT. 1, 1977 - SEPT 8, 1977

5-6412	SURFACE WIRE MOLD	12 <sup>TH</sup> FLOOR
5-6421	SURFACE WIRE MOLD	11 <sup>TH</sup> FLOOR
5-7512	ELECTRICAL PLATES	12 <sup>TH</sup> FLOOR
5-7521	ELECTRICAL PLATES	11 <sup>TH</sup> FLOOR
5-8912	TEMP. CONTROL SUB. COMP.	12 <sup>TH</sup> FLOOR
5-8921	TEMP. CONTROL SUB. COMP.	11 <sup>TH</sup> FLOOR
6-3604	FEEDER CONDUIT	BASE. WEST
6-3615	FEEDER CONDUIT	1 <sup>ST</sup> WEST
6-3624	FEEDER CONDUIT	2 <sup>ND</sup> WEST
6-3902	BRANCH CONDUIT - CEILING	BASE - 6-6
6-3903	BRANCH CONDUIT - CEILING	BASE - 8-9
6-4402	BRANCH CONDUIT - WALLS	BASE 6-6
6-4403	BRANCH CONDUIT - WALLS	BASE 8-9
6-5002	RECESSED LIGHTING	BASE 6-6
6-5003	RECESSED LIGHTING	BASE 8-9
6-5010	RECESSED LIGHTING	1 <sup>ST</sup> EAST
6-5012	RECESSED LIGHTING	1 <sup>ST</sup> N.W
6-5019	RECESSED LIGHTING	1 <sup>ST</sup> ST. S
6-4312	BRANCH WIRE - CEILING	1 <sup>ST</sup> N.W
6-4319	BRANCH WIRE - CEILING	1 <sup>ST</sup> ST. S
6-4512	BRANCH WIRE - WALLS	1 <sup>ST</sup> N.W
6-4519	BRANCH WIRE - WALLS	1 <sup>ST</sup> ST. S
7-7707	ELECT. TRIM & FINISH	7 <sup>TH</sup> FLOOR
8-7115	CONNECT MOTORS	15 <sup>TH</sup> FLOOR

## Plumbing

- 1) Sleeve & insert AS NECESSARY
- 2) 6-0404 Horiz. Plumbing Basement west
- 3) 6-0405 Horiz. Plumbing stack #7
- 4) 5-6239 Plumbing Finishes 9<sup>th</sup> Floor.
- 5) 6-0406 Plumbing Rough-in West. Mezz.
- 6) Plumbing fixtures on 12, 11, 9, & 8.
- 7) 6-0415 1<sup>st</sup> Fl. West work cannot start. Mod. # 135-P
- 8) R.W. Leaders - 2<sup>nd</sup> Floor west

## Heating

- 1) Sleeve & insert AS NECESSARY
- 2) 8-1403B - STANDS AND EQUIPMENT BASEMENT
- 3) 8-1415A - Heating MAINS 15<sup>th</sup> Floor.
- 4) 8-1415B - STANDS AND EQUIPMENT 15<sup>th</sup> Floor.
- 5) 6-1406 - Horiz. Heating west Mezz.
- 6) 8-1403C - FINAL Htg. Hook up BASEMENT.
- 7) 6-1405 - Horiz. Htg. BASE. stack #7
- 8) 8-2610 - Heating Finish 10<sup>th</sup> FL. EQUIP. ROOM

## Sheet Metal

- 1) 5-5221 - sheet metal finish - 11<sup>th</sup> Floor.
- 2) 5-5239 - " " " 9<sup>th</sup> Floor.
- 3) 5-5248 - " " " 8<sup>th</sup> Floor.
- 4) 8-0603 - Horiz. Duct work M-73
- 5) 8-0604 " " " M-74
- 6) 8-0606 " " " M-76 - West Mezz.
- 7) 8-0615 " " " 15<sup>th</sup> FL. Equip. Room
- 8) 8-0605 Horiz. Duct work stack #7 base.
- 9) 8-2610 - Finish on sheet metal also.
- 10) Sleeve as required

## Pipe Cover

- 1) 8-1803 - Pipe covering base. Equip. Room
- 2) 8-1810 " " 10<sup>th</sup> FL. Equip. Room.
- 3) 8-1815 " " 15<sup>th</sup> FL. Equip. Room
- 4) 7-1865 " " 5<sup>th</sup> FL. Complete.
- 5) Pipe covering 3<sup>rd</sup> FL. in wall work.

## SPRINKLER FITTER

- 1) 5-5621 - Sprinkler Finish 11<sup>th</sup> Floor
- 2) 5-5639 - " " 9<sup>th</sup> Floor
- 3) Sleeve & insert as necessary
- 4) 6-1606 Horiz. Sprink west Mezz.
- 5) 6-1632 " " 3<sup>rd</sup> Floor stk. 4-6
- 6) Fire Cabinets - All Floors - All Stairways.
- 7) Work on Mod. # 145 -
- 8) Tie-in between unit "A" and unit B/C
- 9) 8-1603 Horiz. Sprink. base. Equip Room Complete.

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	General to requote
128-A*	Stair G	Mechanical General	3/29/77	T & M Mechanical
136-A*	Aud. seating	General Electrical	4/14/77	Electrical T & M
139-A*	Revise the location of service sink 1-78	General Mechanical	4/22/77	H.S.A.E & U of M Evaluate
142-P	General Work for MTS	General	5/19/77	U/M Evaluate

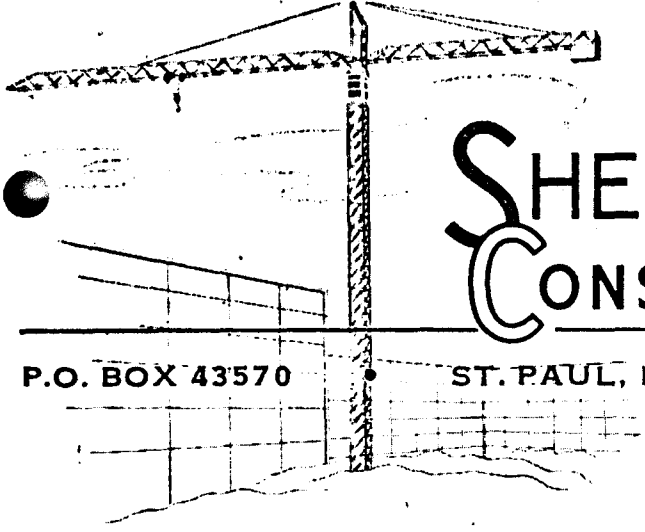
O.D.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
144-P*	Revise portion of 2nd floor to accomodate computer power relay equipment	General Mechanical Electrical	5/19/77	U/M Evaluate
145-E*	Provide & install 8" detector check valve	Mechanical	5/20/77	T & M
150-E*	Mechanical work for MTS	Mechanical	7/20/77	Mechanical to sign
152-P*	Furnish & install permanent equipment for Elevator #1	General Electrical Vert. Trans.	6/13/77	Processing
153-A*	Electrical items coordination	Electrical	6/6/77	U/M to Evaluate
155-P*	Provide work and material to accomodate MTS	General Mechanical Electrical	6/15/77	Mechanical to go ahead U/M Evaluating General Electrical to quote
159-P*	Revision to room 9-138	General Electrical	6/24/77	H.S.A.E. evaluating
164-P	Reverse door swings on 2nd floor	General Electrical	8/5/77	H.S.A.E. Evaluate
165-P	All provision for intrusion system	General Electrical	8/5/77	Gen & Elec T & M
166-P	Revisions to 8th floor	General Mechanical Electrical	8/5/77	Elec to quote
167-P	Revisions to 3rd floor	General Mechanical Electrical	8/5/77	Gen. & Elec. to quote
173-E	Omit full height masonry wall - new 8" concrete wall between these rooms & parallel to Grid E8	General	8/23/77	General to quote



O.D.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
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178-E	Alarm wiring to be incorp. into Honeywell central control and monitoring system	Mechanical	8/23/77	Processing
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179-E	Install roof drains at grids E5 & E10 Near S41	General Mechanical	8/30/77	Mech to quote
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✓ *Hand-drawn*

# SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING UNIT B/C #83 - 9/15/77

IN ATTENDANCE:

Jim Fallon	U of M
Dick Hendricks	U of M
*Paul Kopietz	U of M
Paul Maupin	U of M
Joe McCormick	Honeywell, Inc.
Bob Swanson	U of M
Greg Kujawa	U of M
Ray Anderson	Hayes Contractors
*George Klein	Hayes Contractors
Jim Culligan	Premier Electric
*John Bellair	Premier Electric
Dick Carlson	HSAE
*Duane Blanchard	HSAE
*John Patterson	TAC
*Felix Hernandez	Mosler
O. W. Hughes	U of M
Joe Palla	U of M
Stephen Greene	U of M
Gene Kogl	U of M
Wally Mellum	U of M
John Thesenvitz	Wm. Poppenberger & Son
Jim Hastert	U of M
John Roettger	Sheehy
Ken Fick	Sheehy

\* Not Present

CORRECTIONS:

- ✓246. Carlson - According to Section 01700.2.2 of the specifications, the maintenance manuals should be submitted directly to the owner. *9/15/77*

Hughes - I question whether or not that is correct and I suggest both of us check into it more thoroughly.

REVIEW:

- ✓184. Culligan - John Bellair will notify Mr. Kogl that the manufacturer of the electrical control boxes will not supply new boxes but will remodel with the owner paying all expenses.

238. Sievers - We again state we will be ready to control the heating system October 1, 1977.

- ✓244. Culligan - Our breakdown for Mod. <sup>153</sup>155 has been submitted and we need further clarification for Mod. <sup>159</sup>155 before submitting that one. *155*

207. Anderson - We will have the drains in about 20 days.

249. Hughes - The Delta 2000 system does not have anything to do with the contract.

Mellum - Delta 2000 is a method being used to monitor the status of the Unit B/C mechanical system. The Delta 2000 room is in Unit 'A'.

255. Anderson - We are having a problem with our pipe covering subcontractor on his work in Unit 'A' and I will have to get after him again to get it finished.

Culligan - We will take care of the clean up we have yet to do in Unit 'A' also.

NEW BUSINESS:

- ✓258. Fick - We thought we submitted on August 25th to HSAE the shop drawing sepia for Mod. 120 for Hamilton casework. Some where along the line they have been lost and now we will resubmit them nextweek and we ask that the architect correct them at once so that we can get them back to Hamilton because of their long lead time on delivery.

- ✓259. Fick - Our demolition in Todd Hall has been held up by Tom Stone and we ask that this area be released to us so that we do not end up with another Doctor Bloedel incident such as happened in Diehl Hall.

Greene - It will be okay to start in the area you referred to in Todd Hall on September 19th.

- ✓ 260. Fick - The brick pavers on the Unit 'A' Plaza which we have removed in order to join our area to theirs were not bonded to the asphalt setting bed. All of the pavers we removed can easily be examined by anyone to confirm that this is a fact. Our sub has started laying the pavers this week and we ask that the owner and the architect examine the work now and let us know of any correction they might wish made before the work proceeds further.

Carlson - We will check on the installation requirement and get back to you.

- ✓ 261. Roettger - Our resilient tile flooring sub has advised that as they finish applying the tile to the floors, they clean and wax the floors and do not want to be in a position where they have to redo it due to all the traffic.

Kogl - The owner will take care of this - it is for protection of the move in by the owner.

- ✓ 262. Anderson - The fire system on the 7th floor was activated September 14th. If you get an alarm in "A", the riser is on. How about the 11th and 12th floors? Who is going to give me direction?

Kogl - Hughes will.

Maupin - We must have protection.

- ✓ Sievers - If necessary, we will dummy something. We can temporarily wire so that you have protection. The general alarm in "A" unit so whoever will be checking out must go to room 3-75 in "C" unit.

Mellum - The Premier contract calls for the conduit to be complete. Whoever is checking out will have to go to room 3-75 in the "C" unit in order to check the location of the sprinkler.

Culligan - The conduit is into core 21 now and we will complete it.

- ✓ 263. Fick - The structural steel for the link from unit "C" to Mayo will be delivered by Commercial Steel on Monday and presumably erection will start at that time.
- ✓ 264. Hughes - Clean and punch schedule - there will be a meeting tomorrow so I will have a letter out on Monday.

✓265. Carlson - Has the sample been made yet of the feature strip?

✓ Roettger - I will talk to our subcontractor and get a sample made. The aggregate should not be over one-half inch in size.

✓266. Carlson - We have received the revised mechanical price on Mod. 139 and will process it now.

✓ Anderson - We again request permission to order hard to get items for Mod. 144. We have submitted the price for Mod. 145.

Greene - The hospital wants to review Mod. 144.

✓267. Fick - We were criticized in a letter by Premier for not having an arrangement with the owner whereby we can order materials with a long time delivery for Mods. in cases where all of the cost breakdowns have not been submitted yet by the affected primes. I have asked Messrs. Kogl and Hughes for such authority several times but have received it only in a selected piecemeal manner. I do not believe it is my place to go through a begging process with the owner every time we submit a Mod. - he should know what is at stake.

Kogl - I agree with you and I will be talking to John Bellair.

✓268. ✓ Swanson - September 21st school opens and we need sidewalk and fence.

Roettger - We will get this ready soon and have Powell and K & E access by September 20th. The street and walk were held up by the mechanical contractor and also by changes in elevations made by the owner.

✓ Swanson - When can we have dedication for ~~Mod. 94~~ <sup>Mod. 94</sup>? Is December appropriate? *(Culligan, mod. 94.)*

Culligan - We should be complete by October 26th.

Roettger - We will check this out and advise.

✓ Swanson - We need the first floor and basement corridors on Monday. *Better to*

Roettger - Okay - Premier needs temporary lights in the corridor. *to*

✓269. Sievers - Who is responsible for checking the temperature controls out?

Mellum - This is in the electrical section but I will check this out jointly with the mechanical inspector. We will have to work together.

✓270. Maupin - An adequate site fence should be installed to control the students.

## Plumbing

- 1) Sleeve & insert AS NECESSARY
- 2) 6-0404 Horiz. Plumbing Basement west
- 3) 6-0405 Horiz. Plumbing stack #7
- 4) 5-6239 Plumbing Finishes 9<sup>th</sup> Floor.
- 5) 6-0406 Plumbing Rough-in West Mezz.
- 6) Plumbing fixtures on 12, 11, 9, & 8.
- 7) 6-0415 1<sup>st</sup> Fl. West work cannot start. Mod. # 155-7
- 8) R.W. Leaders - 2<sup>nd</sup> Floor west

## Heating

- 1) Sleeve & insert AS NECESSARY
- 2) 8-1403B - STANDS AND EQUIPMENT BASEMENT
- 3) 8-1415A - HEATING MAINS 15<sup>th</sup> Floor.
- 4) 8-1415B - STANDS AND EQUIPMENT 15<sup>th</sup> Floor.
- 5) 6-1406 - Horiz. Heating west Mezz.
- 6) 8-1403C - FINAL Htg. Hook up Basement.
- 7) 6-1405 - Horiz. Htg. Base. stack #7
- 8) 8-2610 - Heating Finish 10<sup>th</sup> Fl. Equip. Room

## Sheet Metal

- 1) 5-5221 - Sheet Metal Finish - 11<sup>th</sup> Floor.
- 2) 5-5239 - " " " 9<sup>th</sup> Floor.
- 3) 5-5248 - " " " 8<sup>th</sup> Floor.
- 4) 8-0603 - Horiz. Duct work M-73
- 5) 8-0604 " " " M-74
- 6) 8-0606 " " " M-76 - West Mezz.
- 7) 8-0615 " " " 15<sup>th</sup> FL. Equip. Room
- 8) 8-0605 Horiz. Duct work stack #7 Base.
- 9) 8-2610 - Finish on sheet metal also.
- 10) Sleeve as required

## Pipe Cover

- 1) 8-1803 - Pipe covering Base. Equip. Room
- 2) 8-1810 " " 10<sup>th</sup> FL. Equip. Room.
- 3) 8-1815 " " 15<sup>th</sup> FL. Equip. Room
- 4) 7-1865 " " 5<sup>th</sup> FL. Complete.
- 5) Pipe covering 3<sup>rd</sup> FL. in wall work.

## SPRINKLER FITTER

- 1) 5-5621 - SPRINKLER Finish 11<sup>th</sup> Floor
- 2) 5-5639 - " " 9<sup>th</sup> Floor
- 3) Sleeve & insert as necessary
- 4) 6-1606 Horiz. SPRINK west Mezz.
- 5) 6-1632 " " 3<sup>rd</sup> Floor stk. 4-6
- 6) Fire Cabinets - All Floors - All Stairways.
- 7) Work on Mod. # 145 -
- 8) Tie-in between unit "A" and unit B/C
- 9) 8-1603 Horiz. SPRINK. Base. Equip Room Complete.

# SHEEHY WORK SCHEDULE

9-13-77

O'BRIEN - SHT. METAL - 3RD FLOOR -

WED. 9-14-77

S - PLAZA WALLS + STAIRS -	S - HOWE - BSMT "K+E"- "A"
ARR. PAVERS TO START -	P - CEIL. 3RD FLR
* PRE. CEIL + WALL CONDUIT BSMT.	N.H. - W/P WEST PLAZA

THUR. 9-15-77

P - LATH. 1ST O.R. CEIL	J.N. - FIN. 7TH + 8TH
* PRE. O.R. 1ST FLOOR?	S - HOWE STAIR A - 3-15.
S - SIDEWALK - POWELL - DIEHL	PARK - POUR CAISSONS

FRI. 9-16-77

SANDER - COMP - "K+E"- "A"	S - HANG DOORS - 2ND
J.N. COMP 12TH	P - DRYWALL - 1ST OR
* PRE. S - RFS SHIELDED RMW. <sup>9-135</sup> 1-214+215	CLEAN UP DAY

MON. 9-19-77

* UOFM - PUNCH OUT "K+E"- "A"	PRE - CEIL. ROY 3RD FL
P - CEIL BD START 12TH FL	S - BL. COMP - 1ST FL
S - AUDITORIUM LITE COVE	L - PRE FIRE ALARM SYSTEM 7TH

TUES. 9-20-77

S - START HOWE 9TH + 8TH	S - CLEAN - 14TH
P - TAPE - 1ST FL	P - COMPLETE - 5TH
P - DRYWALL - MOD 69	

WED. 9-21-77

J.N. COMPLETE 11TH  
 P - PLASTER OR 1ST

THUR. 9-22-77

S - CLEAN 13TH

FRI. 9-23-77

J.N. C

MON. 9-26-77

P - CEIL BD START 11

TUES. 9-27-77

PRE - WALLS. ROY 3RD FL



PREMIER SCHEDULE  
9-15-77 - 9-22-77

5-6421	WIRE MOLD	11 <sup>TH</sup> FLOOR
6-3004	FEEDER CONDUIT	BASE WEST
6-3015	FEEDER CONDUIT	1 <sup>ST</sup> WEST
6-3024	FEEDER CONDUIT	2 <sup>ND</sup> WEST
6-3902	BRANCH CONDUIT - CEILING	BASE 0-6
6-3903	BRANCH CONDUIT - <del>CEILING</del>	BASE 8-9
6-4402	BRANCH CONDUIT - WALLS	BASE 0-6
6-4403	BRANCH CONDUIT - WALLS	BASE - 8-9
6-5002	RECESSED FIXTURES	BASE 0-6
6-5003	RECESSED FIXTURES	BASE 8-9
6-5010	RECESSED FIXTURES	1 <sup>ST</sup> EAST
6-5012	RECESSED FIXTURES	1 <sup>ST</sup> N.W
6-5019	RECESSED FIXTURES	1 <sup>ST</sup> ST. 8
6-4312	BRANCH WIRE - CEILING	1 <sup>ST</sup> NW
6-4319	BRANCH WIRE - CEILING	1 <sup>ST</sup> ST. 8
6-4512	BRANCH WIRE - WALLS	1 <sup>ST</sup> NW
6-4519	BRANCH WIRE - WALLS	1 <sup>ST</sup> ST. 8
8-7103	CONNECT MOTORS	BASE

FIRE MANAGEMENT  
LOW VOLTAGE LIGHTING SYSTEM  
OUTSIDE BOLLARD LIGHT FIXTURES + WIRE  
MOD 98P + MOD 94P  
SURFACE FIXTURES 9<sup>TH</sup> FL.  
ELECTRICAL DEVICES 8<sup>TH</sup> FL  
ELECTRICAL DEVICES + FIXTURES 16<sup>TH</sup> + ROOF



UNIVERSITY OF MINNESOTA  
TWIN CITIES

Unit B/C Construction Office  
Health Sciences Expansion  
611 Delaware Street S.E.  
Minneapolis, Minnesota 55414

September 21, 1977

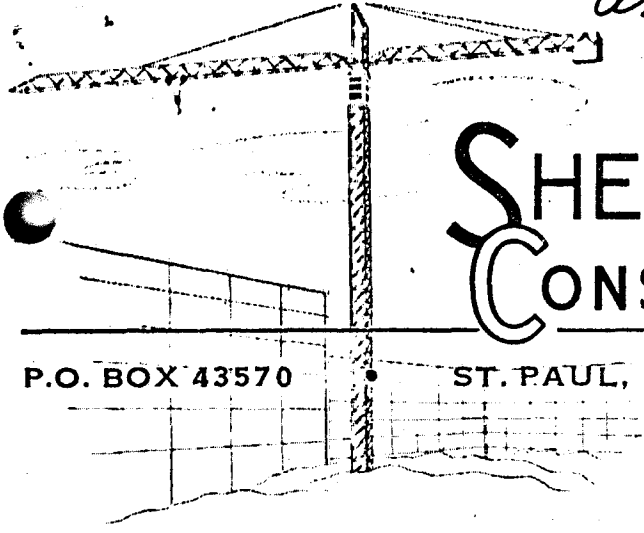
THE FOLLOWING MODIFICATIONS ON THE ATTACHED SHEETS ARE NOT FINALIZED  
FOR ONE OF SEVERAL REASONS. THIS IS AS OF SEPTEMBER 21, 1977.

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	General to requote
128-A*	Stair G	Mechanical General	3/29/77	T & M Mechanical
136-A*	Aud. seating	General Electrical	4/14/77	Electrical T & M
139-A*	Revise the location of service sink 1-78	General Mechanical	4/22/77	Contractor to Sign
142-P	General Work for MTS	General	5/19/77	U/M Evaluate

O.D. DESCRIPTION CONTR DATE ISSUED COMMENTS

144-P*	Revise portion of 2nd floor to accomodate computer power relay equipment	General Mechanical Electrical	5/19/77	Contractor to sign
145-E*	Provide & install 8" detector check valve	Mechanical	5/20/77	T & M
150-E*	Mechanical work for MTS	Mechanical	7/20/77	Mechanical to sign
152-P*	Furnish & install permanent equipment for Elevator #1	General Electrical Vert. Trans.	6/13/77	FINAL
153-A*	Electrical items coordination	Electrical	6/6/77	U/M to Evaluate
155-P*	Provide work and material to accomodate MTS	General Mechanical Electrical	6/15/77	Mechanical to go ahead U/M Evaluating General Electrical to quote
159-P*	Revision to room 9-138	General Electrical	6/24/77	H.S.A.E. evaluating
164-P	Reverse door swings on 2nd floor	General Electrical	8/5/77	H.S.A.E. Evaluate
165-P	All provision for intrusion system	General Electrical	8/5/77	Gen & Elec T & M
166-P	Revisions to 8th floor	General Mechanical Electrical	8/5/77	Elec to quote
167-P	Revisions to 3rd floor	General Mechanical Electrical	8/5/77	Gen. & Elec. to quote
173-E	Omit full height masonry wall - new 8" concrete wall between these rooms & parallel to Grid E8	General	8/23/77	General to quote





# SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING UNIT B/C #84 - 9/22/77

IN ATTENDANCE:

Jim Fallon	U of M
Dick Hendricks	U of M - Physical Plant
Paul Maupin	U of M
Wally Mellum	U of M
Jim Culligan	Premier Electric
John Bellair	Premier Electric
Bob Swanson	U of M
Rich Sievers	Honeywell, Inc.
Greg Kujawa	U of M
Gene Kogl	U of M
Ray Anderson	Hayes Contractors
*George Klein	Hayes Contractors
Dick Carlson	HSAE
*Duane Blanchard	HSAE
*John Patterson	TAC
*Felix Hernandez	Mosler
O. W. Hughes	U of M
Steve Greene	U of M
Joe McCormick	U of M
Joe Palla	U of M
Jim Lang	Wm. Poppenberger & Son
Jim Hastert	U of M
*Don Nelson	Mechanical Data
*Paul Kopietz	U of M
John Roettger	Sheehy
Ken Fick	Sheehy

\*Not Present

CORRECTIONS:

184. Kujawa - Does this mean that the owner pays? This must be straightened out.

Kogl - I have talked to Bellair and a meeting is set today at 2 P.M. with Hall and Mellum present.

Bellair - We feel it is an owner-architect problem. If we get it settled I anticipate it will take four to five days to get the material.

244. Carlson - I have received the electrical cost breakdown for Mod. 159 but not Mod. 155.

Bellair - Mod. 155 is in the mail.

REVIEW:

259. Roettger - We have started our demolition work in Todd Hall but Tom Stone did not remove the cabinets so we did and we will be charging the owner.

260. Roettger - Concerning the method of installing the brick pavers we had a meeting at 9 A.M. today with Kogl, Arrigoni Brothers, Total Asphalt, Fallon, Hughes and Greene. We will make a sample of the paving brick installed per the specifications which will be watched by Hughes. If necessary and so directed, we will find an alternate way to proceed. Try an asphalt tack coat to set the pavers after rolling with a small roller. Specs. call for a 1000 pound roller and this is too heavy. A 300 pound roller is about right.

Kogl - First you will use a leveling coat of setting bed - compacted and then use about 1/2 inch setting bed, roll with a 300 pound roller, tack coat, set pavers, set plywood over to level and possibly roll again or maybe the men working over it will set with the brick level. Grout, let dry and then caulk and have the tile grout installed later.

262. Sievers - The remote Enunciator is permanent and necessary. I wrote Premier about this.

Bellair - I received your letter but have not had time to go over it yet. I do not agree that the Enunciator is necessary.

Mellum - We must have this ready by October 1st, 1977.

Culligan - We agreed that we could get it done and will have it ready by Oct. 1st.

263. Kujawa - We must know when you will be setting the trusses for the Mayo link because we are going to vacate the OR then.

Carlson - We should have a sketch showing what the G.C. intends to do.

Roettger - We intend to make a permanent metal soffit in the control room. We may be able to do this in only about one hour and possibly we can do it when the mechanical moves the duct. We will prepare a sketch for you showing what we will do and we will notify Kujawa when the work is going to be done.

266. Kogl - Hayes was authorized to order hard to get materials for Mod. 144 at least one week ago.

Anderson - Apparently we misunderstood you for we have done nothing - we will proceed with the ordering at once now however.

267. Kogl - The meeting with Premier Electric is set for 3 P.M. today to attempt to get all contractor cooperation.

268. Swanson - We would like the basement and first floor from K.E. to 'A' on Monday, September 26th.

Roettger - That is okay. We expect to be through with Mod. 94 on Nov. 1st. All contractors involved agree that this date can be met.

Hendricks - We will have to take the wall down but the present door may be used.

Anderson - Basement corridor problem was because we forgot Mod. 19A in this area. We are correcting this error now.

270. Roettger - We will install a temporary fence but I would like to do the blacktop work and install the steps on the west plaza and turn the area over to the owner.

NEW BUSINESS:

272. Fick - We are waiting for authority to proceed with the East Delaware work.

Kogl - We will meet on that at 2 PM today and try to resolve it.



RESULTS OF MEETING:

Sheehy was informed to proceed with the work and Fick will give the owner a new breakdown. Electrical work must be settled also since one of the first things Sheehy will be doing is to install the bollards.

273. Fick - The architectural drawings show floor slabs in cores 25, 26, 27, 33, 34 and 35 at the roof level. The structural drawing, sheet S-16, indicates that there is no concrete slab at this location in these 6 cores and therefore the owner's steel supplier did not furnish deck for these locations. We have been trying to find out from the owner for weeks what we are to do.

Kogl - Submit a price to us for performing this work and we will cover it by a Modification.

274. Roettger - In the 2nd floor there are areas where the metal ceiling can not be installed at 10'-6" because of the plaza drains. The ceiling could be put in a 10'-3".

Carlson - We will look at it after the meeting.

Bellair: Untimely Review

247. I do not agree with this.

Roettger - You are two weeks late and besides that you are wrong.

251. Mod. 94 on the 11th floor - has the work been done?

Roettger - Your people said they would be complete on Sept. 9th and they did finish on Sept. 14th.

254. Bellair - So far as the G.C. work is concerned on the floor trench in room 3-141, I again state that this is not our problem.

Kogl - It is your problem. The position has been taken by the architect and us per my letter to Bellair that it is electrical work to coordinate and that Sheehy is a subcontractor to Premier and assuming Premier has Sheehy do the work, Premier must pay Sheehy as a subcontractor for it. You were to have the underfloor duct ready for installation when the slabs were originally poured.

Bellair - Have you researched the drawings?

Kogl - Carlson get together with Hall and get this accomplished. There will be a change in the scope of work so the owner will take care of the payment and hold it out of the electrical funds if necessary.

Carlson - I have written Kogl about this and I disagree with Premier. The responsibility lies with Premier and though I will review it again with the people involved, our answer will be the same.

257. Bellair - Mods. 155 and 159 for us do not amount to much.

Mellum- We hope to have the answers on these by the end of the week.

BACK TO NEW BUSINESS:

275. Culligan - Do you want the layout for the lights to be per the metal ceiling or per the grid.

Carlson - I will look at the problem.

276. Hendricks - We will take down the stud wall on Unit 'A' which is our responsibility.

277. Roettger - We need elevator #5 before I can give up elevator #6. I will talk to Westinghouse to find out why they are not here working on #5.

278. Roettger - Brandt-Airflex is supposed to have the escalator connections here this coming week.

279. Carlson - There is a hardware problem on the 11th and 12th floors with the protection and push plates. I suggest you talk to John Hillan and see what he wants to do.

Roettger - Depending on what is done, this could be a costly problem for Straughan Hardware and I will talk to Hillan to see what he will do.

280. Hendricks - I request the G.C. removes all set screws from the cylinders.

Roettger - I will check with Straughan but we will not take the screws out of the cylinders already installed unless directed to do so by the owner because we will be charging him for it in that case. So far as elevator #11 in Unit 'A' is concerned, I will notify Hendricks after finding out from Westinghouse when their entrance will be here.

Hendricks - A letter from the architect concerning the problem with light removal over the escalator did not involve the sprinklers. What about them?

Carlson - I will check on that.

Hastert - Long handles will be furnished by the sprinkler contractor per the specifications.

Kogl - Unit B/C the ceiling over the escalator might have to be repainted because of the welding and cutting by all of the contractors in this area.

Mellum - How about Premier cleaning the light fixtures in this area?

Roettger - Will be checked on punch out.

281. Fallon - All changes must be cleared with the Owner. Many things are confusing like certain hardware which were not exactly as specified and the owner was never notified accordingly and had to call the supplier to find out the answers. This is not the correct procedure.

282. Fick - The lack of resolution of Mod. 142 by the owner is holding up Poppenberger & the prime contractors on many floors. We need the answer at once to this Mod. from the Owner.

Kujawa - We are reviewing this and will return it to Patterson hopefully this week.

SHEEHY WORK SCHEDULE

9-20-77

9/19/77 - PRE. CEIL + WALLS READY ON 3RD FLOOR - YOU HAVE NOT STARTED  
PRE. R.F. SHIELDED RMS. 9-135 - 1-214+215 PLEASE!

WED. 9-21-77

J.N. - FIN PTG - 11TH FL	P. - COMPLETE - 5TH FL
P. - LATH 1ST FL OR	S. - LITE CONF. AUDITORIUM
S. - BIB FTG. REACTOR AREA. 4-8PM	SANB. - LITE BOLLARDS SWEST
HAM. - CASEWORK -	S. - HDWE - 9TH FL

THUR 9-22-77

PRE. - 1ST FL RADIOLOGY	S. - FINAL CLEAN UP ON 12TH
REP. - WALL FORM REACTOR AREA - 4-12PM	S. - HDWE 8TH FL
P. - HANGERS. ALID. CFIL (New)	P. - CLEAN ALL CORES - TOP ON TO 7TH
* UOFM PUNCH OUT 7TH FL	P. - LATH MOD. 94

FRI. 9-23-77

CLEAN UP DAY	PARK. - FILL PLANTERS
PRE. - COMP. MOD 69	S. - DRS. HANG. - 2ND FL
* UOFM. PUNCH OUT 12TH FL	S. - BL. COMP. - 1ST FL
SANDER. - COMP 8-143	LAMB. - COMPLETE ROUGH IN MOD 120

MON. 9-26-77

P. - DRYWALL - MOD 69	JN. - FIN PAINT - 6TH FL
S. - BL. START MEZZ.	P. - STUYS - MOD 120 START
ARRI. - BRICK PAVERS	TOTAL - BLACK TOP WEST PLAZA

THU. 9-27-77

LSI. - CASEWORK 9-121 COMPLETE	N.H. - WP. TUNNEL - TO TODD
P. - DRYWALL MOD 69	R.K. - CERAMIC TILE
S. - WOODS. CLOSED PROPERLY	HONEYWELL TEMP. CONTROL

WED. 9-28-77

P. - CFIL BD - 12TH FL	* UOFM. PUNCH OUT 8+9TH ABOVE CFIL
INTST. - WOODS. COMPLETE	P. - TAPER START MOD 69
S-P. - CLEAN 14TH FL	L+PRE - HEAT ON.

THUR 9-27-77

S. - SIDEWALK COMP. POWER TO DIEHL	P. - CEIL BD 11TH FL.
GATEWAY - ALL GLASS INSTALLED	OWNER. - START CARPET ON 12TH

PRE. - COMPLETE BSMT CONDUIT.

FRI. 9-30-77

* UOFM - PUNCH OUT 10TH FL ROOF + 16TH ROOF	P. - DRYWALL. BSMT.
* UOFM PUNCH OUT 11TH FL.	
CLEAN UP DAY	

## Sheet Metal

- 1.) 5-5221 - sheet metal Finish - 11<sup>th</sup> Floor.
- 2.) 5-5239 - " " " 9<sup>th</sup> Floor.
- 3.) 5-5248 - " " " 8<sup>th</sup> Floor.
- 4.) 8-0603 - Horiz. Duct work M-73
- 5.) 8-0604 " " " M-74
- 6.) 8-0606 " " " M-76 - West Mezz.
- 7.) 8-0615 " " " 15<sup>th</sup> FL. Equip. Room
- 8.) 8-0605 Horiz. Duct work stack #7 Base.
- 9.) 8-2610 - Finish on sheet metal also.
- 10.) Sleeve as Required

## Pipe Cover

- 1.) 8-1803 - Pipe Covering Base. Equip. Room
- 2.) 8-1810 " " 10<sup>th</sup> FL. Equip. Room.
- 3.) 8-1815 " " 15<sup>th</sup> FL. Equip. Room
- 4.) 7-1865 " " 5<sup>th</sup> FL. Complete.
- 5.) Pipe covering 3<sup>rd</sup> FL. in wall work.

## Sprinkler F. Her

- 1.) 5-5621 - Sprinkler Finish 11<sup>th</sup> Floor
- 2.) 5-5639 - " " 9<sup>th</sup> Floor
- 3.) Sleeve & insert as necessary
- 4.) 6-1606 Horiz. Sprink west Mezz.
- 5.) 6-1632 " " 3<sup>rd</sup> Floor stk. 4-6
- 6.) Fire Cabinets - All Floors - All Stairways.
- 7.) Work on Mod. # 145 -
- 8.) Tie-in between unit "A" and unit B/C
- 9.) 8-1603 Horiz. Sprink. Base. Equip Room Complete.

## Plumbing

- 1.) Sleeve & insert AS NECESSARY
- 2.) 6-0404 Horiz. Plumbing Basement west
- 3.) 6-0405 Horiz. Plumbing stack #7
- 4.) 5-6239 Plumbing Finishes 9<sup>th</sup> Floor.
- 5.) 6-0406 Plumbing Rough-in West. Mezz.
- 6.) Plumbing Fixtures on 12, 11, 9, & 8.
- 7.) 6-0415 1<sup>st</sup> Fl. West work cannot start. Mod. #155-P
- 8.) R.W. Leaders - 2<sup>nd</sup> Floor West

## Heating

- 1.) Sleeve & insert AS NECESSARY
- 2.) 8-1403B - STANDS AND EQUIPMENT BASEMENT
- 3.) 8-1415A - HEATING MAINS 15<sup>th</sup> Floor.
- 4.) 8-1415B - STANDS AND EQUIPMENT 15<sup>th</sup> Floor
- 5.) 6-1406 - Horiz. Heating West Mezz.
- 6.) 8-1403C - FINAL Htg. Hook up BASEMENT.
- 7.) 6-1405 - Horiz. Htg. Base. Stack #7
- 8.) 8-2610 - Heating Finish 10<sup>th</sup> Fl. Equip. Room

PREMIER SCHEDULE  
9-22-77 - 9-29-77

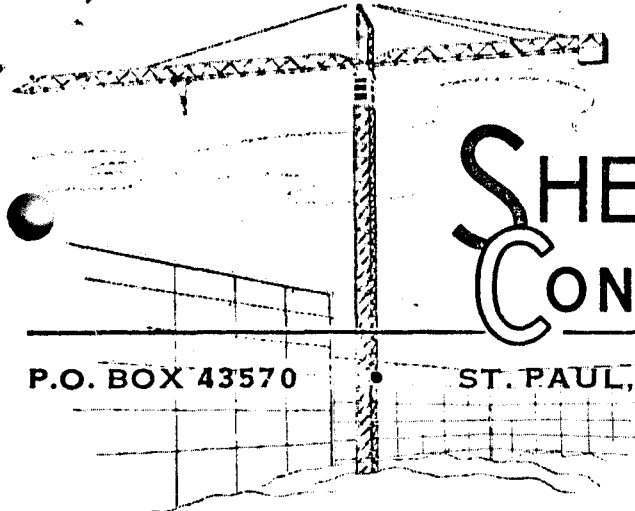
6-3004	FEEDER CONDUIT	BASE WEST
6-3015	" "	1ST WEST
6-3024	" "	2ND WEST
6-3902	BRANCH CONDUIT - CEILING	BASE 0-6
6-3903	" " "	BASE 8-9
6-4402	BRANCH CONDUIT - WALLS	BASE - 0-6
6-4403	" " "	BASE 8-9
6-4312	BRANCH WIRE - CEILING	1ST N.W.
6-4319	" " "	1ST ST. 8
6-4512	BRANCH WIRE - WALLS	1ST NW
6-4519	" " - "	1ST ST. 8
8-7103	CONNECT MOTORS	BASE
6-4412	BRANCH CONDUIT - WALL	1ST WEST
6-5020	RECESSED LIGHTING	2ND 0-6
6-7530	FM EQUIP. RM-3-75	3rd Floor
	Mod 94 P	10 + 11th Fl.
	Mod 98 P	2nd Fl
	Mod 69	2nd Fl
	Mod 120	2nd Fl
	Mod 47	STREET
	Mod 70	7th Fl.
	WIRE + INSTALL Bollard lights	STREET
	LOW VOLTAGE LIGHTING	
	Auditorium - Cove lighting	

O.D.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
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	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 Eval.
128-A*	Stair G	Mechanical General	3/29/77	T & M Mechanical
136-A*	Aud. seating	General Electrical	4/14/77	Electrical T & M
139-A*	Revise the location of service sink 1-78	General Mechanical	4/22/77	U of M Processing
142-P	General Work for MTS	General	5/19/77	Contractor to sign



O.D.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
144-P*	Revise portion of 2nd floor to accomodate computer power relay equipment	General Mechanical Electrical	5/19/77	U of M Processing
145-E*	Provide & install 8" detector check valve	Mechanical	5/20/77	Contractor to sign
150-E*	Mechanical work for MTS	Mechanical	7/20/77	Contractor to sign
152-P*	Furnish & install permanent equipment for Elevator #1	General Electrical Vert. Trans.	6/13/77	FINAL
153-A*	Electrical items coordination	Electrical	6/6/77	Contractor to sign
155-P*	Provide work and material to accomodate MTS	General Mechanical Electrical	6/15/77	Mechanical to go ahead U/M Evaluating General & Electrical
159-P*	Revision to room 9-138	General Electrical	6/24/77	H.S.A.E. evaluating
164-P	Reverse door swings on 2nd floor	General Electrical	8/5/77	H.S.A.E. Evaluate
165-P	All provision for intrusion system	General Electrical	8/5/77	Gen & Elec T & M
166-P	Revisions to 8th floor	General Mechanical Electrical	8/5/77	Elec to quote
167-P	Revisions to 3rd floor	General Mechanical Electrical	8/5/77	HSAE Evaluating
173-E	Omit full height masonry wall - new 8" concrete wall between these rooms & parallel to Grid E8	General	8/23/77	General to quote





*Done \* When Levala #11  
at 6 weeks.*

# SHEEHY CONSTRUCTION COMPANY

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

## MINUTES OF JOB MEETING UNIT B/C #85 - 9/29/77

### IN ATTENDANCE:

- |                  |                         |
|------------------|-------------------------|
| Jim Fallon       | U of M                  |
| *Gene Kogl       | U of M                  |
| *Paul Kopietz    | U of M                  |
| *Paul Maupin     | U of M                  |
| Joe Palla        | U of M                  |
| Joe McCormick    | U of M                  |
| Ray Anderson     | Hayes Contractors       |
| *George Klein    | Hayes Contractors       |
| Jim Culligan     | Premier Electric        |
| John Bellair     | Premier Electric        |
| Greg Kujawa      | U of M                  |
| Dick Carlson     | HSAE                    |
| *Duane Blanchard | HSAE                    |
| *John Patterson  | TAC                     |
| *Felix Hernandez | Mosler                  |
| O. W. Hughes     | U of M                  |
| Wally Mellum     | U of M                  |
| Stephen Greene   | U of M                  |
| Dick Hendricks   | U of M - Physical Plant |
| Jim Hastert      | U of M                  |
| *Don Nelson      | Mechanical Data         |
| John Roettger    | Sheehy                  |
| Pat Whalen       | Sheehy                  |
| Ken Fick         | Sheehy                  |
| *Woody Jensen    | Wm. Poppenberger & Son  |

\*Not Present

CORRECTIONS:

✓247. Bellair - I do not agree with Roettger's statement that I am two weeks late with my comments and Jim Culligan denies that he said he could not keep up with the work. I also believe that your section in the Minutes entitled "Untimely Review" is out of place and has no business being in the Minutes.

Hughes - I recall that Culligan's statement was that he was not able to keep up with the general contractor when he (the G.C.) was working all over the building.

Fick - We have now been handling these project meetings and issuing the Minutes for them for 85 consecutive weeks. I can assure everyone that it is not an easy task and that it is also a thankless one.

✓259. Greene - In Tom Stone's office the cabinets were removed on time.

Roettger - We had to remove some, build ends on others, and we expect to be paid for this.

Hughes - We will check on the plans and come to an agreement.

✓260. Fallon - My name is listed as having attended this meeting but I was not present.

✓263. Kujawa - Just so that there is no slip any place, we must be kept informed about what is going on concerning the construction of the Mayo link at all times.

✓268. Hendricks - Signs can be put up to handle the traffic in the basement and first floor from K.E. to Unit 'A'. In addition to that we will try to discourage traffic as much as possible there.

REVIEW:

✓260. Roettger - The paving brick are not a machined item and so some are warped with slightly convex or concave surfaces. In those cases only the corners actually do the bonding. Therefore, I think that the setting bed should not be rolled to the extent that it is too compacted and I will show you this after the meeting if you accompany me to the work.

Carlson - I will do that and we are also waiting for the letter promised us from Arrigoni Brothers giving a description of the tac coat and procedure being used especially as it may differ from the specification.

- ✓184. Bellair - Carlson issued me drawings from Gary Hall today for the Shielded Rooms and the go ahead to order the fittings. Work will start next week.

Mellum - There will be a meeting tomorrow that should tie up all loose ends so that Sheehy can then get Ray Proof going in order to complete the work.

- ✓262. Bellair - Remote Enunciator - I responded to Honeywell about this and I need more information as to the heights and placements.

Mellum - I will give you that information this afternoon.

- ✓263. Greene - The work on the Mayo Link is in a restricted area and must be done according to the specifications.

Kujawa - Some work was done yesterday during brain surgery which again reminds us that it is necessary that we keep communications going in regard to this work. SET STEEL MONDAY OCT 10, 1977

Roettger - I believe the steel girders will be delivered the latter part of next week and we plan to put up the soffit if it is agreed that it is needed.

- ✓272. Belliar - The G.C. work on East Delaware is underway now. Do we have approval to proceed with our work per plans dated April 26, 1977?

Mellum - Yes you do.

- ✓273. Fick - The metal deck required for the slabs <sup>IN</sup> and the six cores at the roof level is not available locally and will take three or four weeks to get.

Carlson - The cores in the other areas have a beam in the center so these must be constructed likewise unless some other design is used to assure the adequacy of the system.

Hughes - Neither the beam nor the decking shows so we will proceed from there.

- ✓274. Greene - The ceiling has been lowered to 10'-4". - SECOND FLOOR CORRIDOR 75

Mellum - We need cooperation between insulators and electricians to ensure that there will be no shining areas at the lights.

- ✓254. Bellair - There is nothing new here to report - Kogl did not state that funds from Premier would be withheld to cover this. I hope you will (Kogl) still reconsider our position.

Hughes - Kogl stated that the General Contractor would be paid for his work in connection with this. Therefore, Sheehy should proceed with its portion of the work.

- ✓280. Hendricks - Only one set screw is to be removed from the side of the cylinder - not the one through the hardware. Is it possible to set up a schedule for the work on elevator #11 yet?

Roettger - The Westinghouse entrance is not here yet but it is expected momentarily.

NEW BUSINESS:

- ✓283. Roettger - We will start perimeter ceiling pads on the 12th floor on October 3<sup>rd</sup>. What is happening with the fume hoods?  
10TH.

Anderson - The duct is here now and we are working on them.

Hastert - We need to reinspect the work above the ceiling.

Hughes - We are not going to hold up for this.

Roettger - We will follow up with the pads on the rest of the floor.

Bellair - We have requested reinspection and we will not be responsible for the tile if placed before this is completed.

Roettger - We scheduled this earlier and will keep going unless we are stopped by the owner.

Hastert - I think you are being unreasonable.

- ✓284. ✓Anderson - We need answers on the remote enunciator problem.
- ✓Carlson - We will have a letter to the owner today.
- ✓Bellair - I have written a letter to the architect on this matter also.

- ✓285. Bellair - Regarding the Sheehy work schedule of 9/27/77, we have started on the third floor both ceilings and walls. The problems on the R.F. Shielded Rooms are being resolved. Plans are ready in the first floor radiology.
- ✓286. McCormick - We want the E. & S. Insulating contractor to tape and trim throughout the job.  
  
Hughes - How is the turning on of steam being handled?  
  
McCormick - We need to get the okay from Kogl and Soderberg yet.
- ✓287. Fallon - On disputed work we request that we be advised sufficiently ahead of time so that we have time to check out the problem and get an answer.
- ✓288. Bellair - When can we start the generator?

Anderson - We don't have all the parts yet but we will let you know.

# SHEEHY WORK SCHEDULE

LAMB - CLEAN UP 10TH + 15TH MECH FLOOR

PREMIER - CLEAN UP ELFC, VAULTS & CORES

O'BRIEN - FUME HOODS - COMPLETED ON 11+12 BY 9-30-77

POP - INDCOAT - CLEAN ALL CORES

WED. 9-29-77

P - CEIL BD PERIMETER - 12TH

S - STRIPPING MOD 94 - 11TH

S - CURB - POWELL TURNAROUND

THUR. 9-29-77

P - TAPE - 5TH LOBBY

P - DRYWALL START BSMT.

\* UOF M. PUNCH OUT ROOF AREAS

FRI 9-30-77

\* UOF M. PUNCH OUT 12TH FL

CLEAN UP DAY

SANDER - COMPLETE 8-143

MON 10-3-77

P - CEIL PANS - RADIOLOGY 1ST

TOT. BLACKTOP - WEST PLAZA

ALPANA - WDOOS - 3+4+7

TUES 10-4-77

ARRI - BRICK PAVERS. WEST

S - SIDEWALK POWELL - COMPLETE

S - COMP EXT WALLS.

WED 10-5-77

L+PRE - HEAT ON?

SANDBERG. SFT PRECAST.

THUR 10-6-77

J.N. PRIME MOD. 69

A.S. UAT - 4TH FL

FRI 10-7-77

\* UOF M PUNCH OUT 11TH FL

HAM. CSWK. MOD 69

MON 10-10-77

BA - TOUCH UP - RADIATION - 11+12 S - BL - ME22

TUES 10-11-77

CLEAN UP 9TH FL

P - CLEAN 14TH FL

P - LATHER - AUDITORIUM

PRE - LITES - AUDITORIUM

S - COMPLETE LINE PAVERS

P - COMPLETE LATH - OR 1ST FLR

B.K. CERAMIC. 8-6+4TH

P - DRYWALL - MOD 69

P - METAL CEIL - 2ND FLR

S - COMPLETE CEIL. RADIOLOGY 1ST

PRE - SYSTEMS

P - TAPE - MOD 69

P - ST STEEL TOPS. 11+12TH

S - HANG DOORS - 1ST & 2ND.

S - HOWE COMPLETE - 9TH

LSI - COMPLETE 9TH

BA - AUDITORIUM LITES

S - HOWE + DOORS.

PRE - LITES - RADIOLOGY

BAB - POINT & CLEAN

S - RF SHIELDED RMS.

J.N. FIN. 8TH

S - HANG DOORS 6TH

S - CLEAN UP 11TH

P - CEIL BD - 11TH FLOOR

S - BL - COMPLETE 1ST



## Plumbing

- 1.) Sleeve & inset as necessary
- 2.) 5-6239 - Plumbing Finishes 9<sup>th</sup> Floor.
- 3.) 6-0406 - Plumbing Rough-in West Mezz.
- 4.) Finish on 12 & 11
- 5.) Punchlist on 12<sup>th</sup> Floor ceiling
- 6.) 3<sup>rd</sup> Floor in wall work.
- 7.) All R.W. Leaders complete.

## Heating

- 1.) sleeve & inset as necessary
- 2.) Punchlist on 12<sup>th</sup> Floor ceiling.
- 3.) Hook up Heat Recovery coils on 15<sup>th</sup> Floor.
- 4.) Mod. # 94-P on 10<sup>th</sup> Floor.
- 5.) Filling Radiation system, 6<sup>th</sup> Floor & up.
- 6.) Remote Radiator Piping is complete.
- 7.) Finish on Emergency Generators
- 8.) Air Handling units in basement.
- 9.) Piping on Mezz. west area

## Sprinkler Fitter

- 1.) Testing 9<sup>th</sup> Floor ceiling
- 2.) Punch list on 12<sup>th</sup> Floor ceiling
- 3.) Cutting drops on 3<sup>rd</sup> Floor ceiling
- 4.) Mains & Branches on Mezz. west.
- 5.) Finish on 10<sup>th</sup> Floor.

## Pipe Coverer

- 1.) 15<sup>th</sup> Floor Equipment Room
- 2.) 10<sup>th</sup> " " "
- 3.) Basement " "
- 4.) Punch List on 12<sup>th</sup> Floor ceiling.
- 5.) R.W. Leader's in Mezz. west
- 6.) Mod. work on 1<sup>st</sup> + 2<sup>nd</sup> Floors.

## Sheet Metal.

- 1.) Mod. # 19-A - 1<sup>st</sup> + Basement Floor corridors.
- 2.) Fume Hoods on 12<sup>th</sup> + 11<sup>th</sup> Floors.
- 3.) Finish work on 10<sup>th</sup> Fl. Equip. Room.
- 4.) Mod # 94B on 10<sup>th</sup> + 11<sup>th</sup> Floors.
- 5.) 15<sup>th</sup> Fl. Exhaust Fans.
- 6.) Basement Air Handling units
- 7.) Punch List on 12<sup>th</sup> Floor ceiling



UNIVERSITY OF MINNESOTA  
TWIN CITIES

Unit B/C Construction Office  
Health Sciences Expansion  
611 Delaware Street S.E.  
Minneapolis, Minnesota 55414

October 5, 1977

THE FOLLOWING MODIFICATIONS ON THE ATTACHED SHEETS ARE NOT FINALIZED  
FOR ONE OF SEVERAL REASONS. THIS IS AS OF OCTOBER 5, 1977.

NO.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
1-P*	Floor sleeves to alleviate spilled or overflow liquid migration between floors	General Mechanical Electrical	9/1/76	Electrical to quote
6-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 Eval.
128-A*	Stair G	Mechanical General	3/29/77	T & M Mechanical
136-A*	Aud. seating	General Electrical	4/14/77	Electrical T & M
139-A*	Revise the location of service sink 1-78	General Mechanical	4/22/77	U of M Processing
142-P	General Work for MTS	General	5/19/77	U of M Processing

ID.	DESCRIPTION	CONTR	ISSUED	COMMENTS
P*	Revise portion of 2nd floor to accomodate computer power relay equipment	General Mechanical Electrical	5/19/77	U of M Processing
E*	Provide & install 8" detector check valve	Mechanical	5/20/77	U of M Processing
-E*	Mechanical work for MTS	Mechanical	7/20/77	Contractor to sign
-P*	Furnish & install permanent equipment for Elevator #1	General Electrical Vert. Trans.	6/13/77	FINAL
3-A*	Electrical items coordination	Electrical	6/6/77	Contractor to sign
5-P*	Provide work and material to accomodate MTS	General Mechanical Electrical	6/15/77	Mechanical to go ahead Contractor to sign
59-P*	Revision to room 9-138	General Electrical	6/24/77	U of M Evaluating
64-P	Reverse door swings on 2nd floor	General Electrical	8/5/77	Contractor to sign
65-P	All provision for intrusion system	General Electrical	8/5/77	Gen & Elec T & M
66-P	Revisions to 8th floor	General Mechanical Electrical	8/5/77	Elec to quote
67-P	Revisions to 3rd floor	General Mechanical Electrical	8/5/77	Contractor to sign
173-E	Omit full height masonry wall - new 8" concrete wall between these rooms & parallel to grid E8	General	8/23/77	General to quote



## Pipe Coverer

- 1.) 15<sup>th</sup> Floor Equipment Room
- 2.) 10<sup>th</sup> " " "
- 3.) Basement " "
- 4.) Punch list on 12<sup>th</sup> Floor ceiling.
- 5.) R.W. Leader's in Mezz. west
- 6.) Mod. work on 1<sup>st</sup> + 2<sup>nd</sup> Floors.
- 7.) Punch list on 11 + 7.

## Sheet Metal.

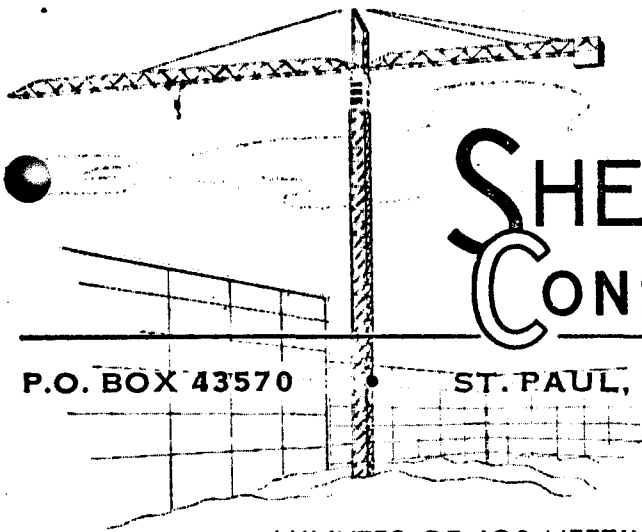
- 1.) Mod. # 19-A - 1<sup>st</sup> of Basement Floor corridors.
- 2.) Fume Hoods on 12<sup>th</sup> + 11<sup>th</sup> Floors.
- 3.) Finish work on 10<sup>th</sup> FL. EQUIP. ROOM.
- 4.) Mod # 948 on 10<sup>th</sup> + 11<sup>th</sup> Floors.
- 5.) 15<sup>th</sup> FL. EXHAUST FANS.
- 6.) Basement Air Handling units
- 7.) Punch list on 12<sup>th</sup> Floor ceiling
- 8.) Punch list on 11 + 7.

O.D.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
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	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 Eval.
128-A*	Stair G	Mechanical General	3/29/77	T & M Mechanical
136-A*	Aud. seating	General Electrical	4/14/77	Electrical T & M
139-A*	Revise the location of service sink 1-78	General Mechanical	4/22/77	U of M Processing
142-P	General Work for MTS	General	5/19/77	Contractor to sign



O.D.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
1/ -P*	Revise portion of 2nd floor to accomodate computer power relay equipment	General Mechanical Electrical	5/19/77	U of M Processing
145-E*	Provide & install 8" detector check valve	Mechanical	5/20/77	Contractor to sign
150-E*	Mechanical work for MTS	Mechanical	7/20/77	Contractor to sign
152-P*	Furnish & install permanent equipment for Elevator #1	General Electrical Vert. Trans.	6/13/77	FINAL
153-A*	Electrical items coordination	Electrical	6/6/77	Contractor to sign
155-P*	Provide work and material to accomodate MTS	General Mechanical Electrical	6/15/77	Mechanical to go ahead U/M Evaluating General & Electrical
159-P*	Revision to room 9-138	General Electrical	6/24/77	H.S.A.E. evaluating
164-P	Reverse door swings on 2nd floor	General Electrical	8/5/77	H.S.A.E. Evaluate
165-P	All provision for intrusion system	General Electrical	8/5/77	Gen & Elec T & M
166-P	Revisions to 8th floor	General Mechanical Electrical	8/5/77	Elec to quote
167-P	Revisions to 3rd floor	General Mechanical Electrical	8/5/77	HSAE Evaluating
173-E	Omit full height masonry wall - new 8" concrete wall between these rooms & parallel to Grid E8	General	8/23/77	General to quote





10/13/77  
as per office  
& contractors  
say we can  
meet Dec. 5, 77  
\* is Dec 5, 77 possible  
for occupancy of the  
Medical Arts area  
in the basement.

# SHEEHY CONSTRUCTION COMPANY

→ \* letter to Lee Meyer re:  
2nd floor clg. change  
to 10'-4" from 10'-6"

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

## MINUTES OF JOB MEETING UNIT B/C #86 - 10/6/77

### IN ATTENDANCE:

- |                  |                         |
|------------------|-------------------------|
| R. Magnuson      | Westinghouse Elevator   |
| John Bellair     | Premier Electric        |
| Jim Fallon       | U of M                  |
| *Paul Kopietz    | U of M                  |
| Ray Anderson     | Hayes Contractors       |
| *George Klein    | Hayes Contractors       |
| Jim Culligan     | Premier Electric        |
| Gene Kogl        | U of M                  |
| Richard Carlson  | HSAE                    |
| *Duane Blanchard | HSAE                    |
| John Patterson   | TAC                     |
| *Paul Maupin     | U of M                  |
| Bob Swanson      | U of M                  |
| Dick Hendricks   | U of M - Physical Plant |
| O. W. Hughes     | U of M                  |
| Stephen Greene   | U of M                  |
| Rich Sievers     | Honeywell, Inc.         |
| *Felix Hernandez | Mosler                  |
| John Roettger    | Sheehy                  |
| Pat Whalen       | Sheehy                  |
| Ken Fick         | Sheehy                  |
| Jim Lang         | Poppenberger            |
| Jim Hastert      | U of M                  |
| *Don Nelson      | Mechanical Data         |

\* Not Present

CORRECTIONS:

- ✓274. Greene - The ceiling in corridor 2-95 was lowered to 10'-4" to accomodate the electrical and mechanical systems.
- ✓284. Anderson - This should read pneumatic controls rather than enunciator.

REVIEW:

- ✓263. Roettger - The large girders for the Mayo link are to be delivered on Monday and if weather permits installation will begin then.
- ✓184. Bellair - There is a two week delay to get the panels needed. Will this be a problem?

Mellum - No, they are independent from the room.

- ✓283. Roettger - Acoustical pads will start next week on the perimeters of the 12th floor unless we get a letter from Hayes or Premier. We will then go to the 11th and do the same while having the sound insulation punch out on the 12th. We then intend to complete placing of tile on these floors and to follow with the rest of the floors. The University has people working on the 12th floor in the ceiling area now.

Mellum & Kogl - When the ceiling goes in, the University will do no work until after the punch out.

Anderson - Go ahead and place perimeter on the 12th floor. The sprinkler drainage is a disputed item and we will be going to arbitration.

Kogl - We will meet with Bellair on disputed electrical items and have an answer on it in one week.

Bellair - I just received the 11th floor punch out this morning.

Culligan - If the pads are placed in the perimeters, it will not affect us.

Roettger - I was in error when I wrote the letter on the lead sound barrier. We do not place the lead from the end of a wall over the window.

Hughes - This is covered in another section of the specifications. I will show you.

Greene - Sheehy owns the tile until punch out and acceptance.

Roettger - We will need a fast punch out.

Hughes - We can give you a fast inspection.

- ✓284. Kogl - We will have the mechanical engineers set up a meeting on the ~~wiring~~ <sup>AIR PIPING</sup> responsibility between the mechanical and electrical.

Carlson - Please have Bob Nielsen make up a schematic on this.

- ✓285. Mellum - I have talked to Lawrence Tuttle of the Ray Proof Corporation and he will advise Sheehy when his men will be here to resume work on the shielded rooms.

NEW BUSINESS:

- ✓289. Fick - We are performing Mod. 165 on a T and M basis per direction. Poppenberger asks whether they are to perform their work under us or under Premier in areas where walls are already up.

Kogl - Poppenberger's work should be under the G.C.

Mellum - Sheehy must get together with Premier on the rolling shutters for this Mod.

- ✓290. Fick - The work on elevator #11 is starting today. The information that I have from Westinghouse concerning the delivery of the entrances for elevator #1 is such that it will be about Christmas time before car #1 is in operation.

Magnuson - That is about right.

Kogl - What will this do with the requirements of Phase II? We will have to check this out.

- ✓291. Anderson - I request that a meeting be set up as early as possible on the problems with the chillers.

Carlson - I will accomodate that.

- ✓292. Magnuson - Can anything be done to speed up the escalator connections from Brandt-Airflex?

Roettger - They told us the material was shipped this week so we should be within days of getting it.

- ✓293. Hendricks - Elevator #11 is down as of today and will be out of service for about six weeks. The air dryers were started up without the 24 hour warm up. We need a letter to cover what effect this will have on the equipment.

Hastert - There will be such a letter.

✓294. Hughes - The owner has accepted the 7th floor and we need more security.

Kogl - The security was to be provided with temporary walls and fencing by the University I thought. Swanson will you check on this please.

Hendricks - You can come up through the service cores.

Greene - The first shipment will be coming tomorrow to be stored there.

Roettger - Several contractors are working on Mod. 142 on this floor and also storing extra material.

Culligan - We will be storing fixtures on the 7th floor that we will be turning over to the owner.

✓295. Carlson - Regarding the feature strips we need a smaller sample placed by the existing on Unit 'A' - there is a little too much black in the areas now done.

Roettger - With the smaller rock it is hard to get a good match.

✓296. Roettger - We will be asking for a roof inspection including louvers this week.

✓297. Mellum - Will we have fire management on the 7th floor?

Sievers - Yes, shortly.

The usual bi-weekly meeting on Mods. was held after the regular meeting.

### Plumbing

- 1) Sleeve + insert as necessary
- 2) 5-6239 - Plumbing finishes 9<sup>th</sup> Floor.
- 3) 6-0406 - Plumbing rough-in west Mezz.
- 4) Finish on 12+11
- 5) Punchlist on 12<sup>th</sup> Floor ceiling
- 6) 3<sup>rd</sup> Floor in wall work.
- 7) All O.W. leaders complete.

### Heating

- 1) sleeve + insert as necessary
- 2) Punchlist on 12<sup>th</sup> Floor ceiling.
- 3) Hook up Heat Recover coils on 15<sup>th</sup> Floor.
- 4) Mod. # 94-P on 10<sup>th</sup> Floor.
- 5) Filling Radiation system, 6<sup>th</sup> Floor + up.
- 6) Remote Radiation piping is complete.
- 7) Finish on Emergency Generators
- 8) Air Handling units in Basement.
- 9) Drive on Mezz. west area

### SPRINKLER FIT

- 1) Testing 9<sup>th</sup> Floor ceiling
- 2) Punch list on 12<sup>th</sup> Floor ceiling
- 3) Ceiling drops on 3<sup>rd</sup> Floor ceiling
- 4) Piping + Branches on Mezz. west.
- 5) Finish on 10<sup>th</sup> Floor.

## Pipe Coverer

- 1.) 15<sup>th</sup> Floor EQUIPMENT ROOM
- 2.) 10<sup>th</sup> " " "
- 3.) BASEMENT " "
- 4.) Punch list on 12<sup>th</sup> Floor ceiling.
- 5.) R.W. Leader's in Mezz. west
- 6.) Mod. work on 1<sup>st</sup> + 2<sup>nd</sup> Floors.

## Sheet Metal.

- 1.) Mod. # 19-A - 1<sup>st</sup> + BASEMENT Floor corridors.
- 2.) Fume Hoods on 12<sup>th</sup> + 11<sup>th</sup> Floors.
- 3.) Finish work on 10<sup>th</sup> FL. EQUIP. ROOM.
- 4.) Mod # 94P on 10<sup>th</sup> + 11<sup>th</sup> Floors.
- 5.) 15<sup>th</sup> FL. EXHAUST FANS.
- 6.) Basement AIR HANDLING units
- 7.) Punch list on 12<sup>th</sup> Floor ceiling



# SHEEHY WORK SCHEDULE

10-5-77

LAMB - PREMIER - IS. PUNCH LIST ABOVE CEILING COMPLETE.?

O'BRIEN - FUME HOODS - 11+12?

PRE - LITE LAYOUT AUDITORIUM?

\* UofM PUNCH OUT ROOF? 12TH?

WED. 10-5-77

HAM. CAULK OR SEAL ST. ST TOPS.

TOT. BLACKTOP W. PLAZA

N.H. WP. WEST PLAZA

S. - METAL CLOSURE.

S. SIDEWALK. POWELL DIEHL

P - DRYWALL. MOD. 69 2ND

THUR. 10-6-77

ARRI - NEED LARGER CREW

P. DRYWALL. MOD 127. 9TH

S. SIDEWALK. E. DELAWARE

P. DRYWALL MOD 94. 11TH

SANDER. COMP. 8-143

S. HANG DOORS. 1ST FL

FRI 10-7-77

INT. ST. COMPLETE WINDOWS

J.N. STAIN PAN. MOD 94

CLEAN UP DAY 12-11-9-8.

P. WALLS. MOD. 120. 2ND

\* UofM. PUNCH OUT 11TH

HAM. CSWK. 1ST FL

MON 10-10-77

SANDBERG - SET LINK TRUSSES

LAMB - COMPLETE RADIATION 3+4

ALPANA - ADJUST WOODS.

P. CEIL BD. PERIMETER 12TH

LSI. 9TH FL COMPLETE

BA. AUDITORIUM LITE

S. RF SHIELDED RMS

TUES 10-11-77

LAMB - HEAT ON

JN. FIN 8TH FL

SANDBERG. SET PRECAST. EXT.

BA - TOUCH UP RADIATION

BAB. POINT & CLEAN

BIGI - FEATURE STRIPS.

WED 10-12-77

A.S. VAT. 4TH

P. DRYWALL. 3RD. FL.

PRE. EXT LT BOLLARDS

A.S. CLEAN + WAX. 9TH

THUR 10-13-77

P. CEIL BD. PERIMETER 11TH

PK. CERAMIC. 6-4-2-1-B

P. TAPE. 69.

P. CORES CLEANED

FRI 10-14-77

\* UofM. PUNCH OUT 9TH.

CLEAN UP DAY

HAM - COMPLETE 11+12TH

MON 10-17-77

A.S. VAT. 1ST

SANDBERG - HILL MELS IRON.

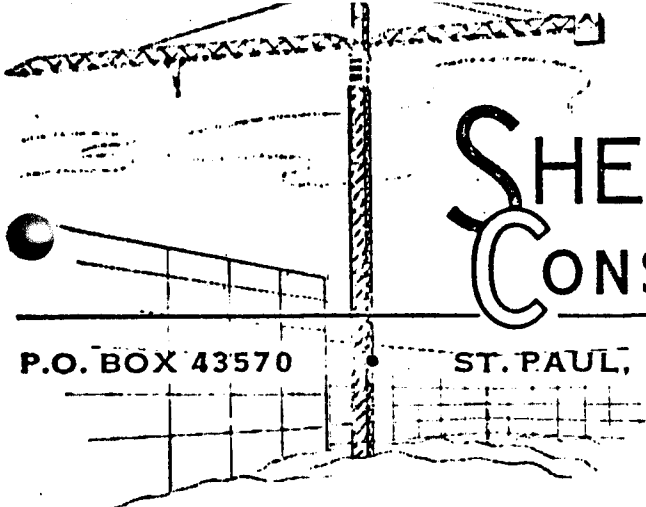
PAT IN BLDG.

TUES 10-18-77

SPANNERS. CAULK EXT COMP.

NO.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
51-P*	Floor sleeves to alleviate spilled or over-flow liquid migration between floors	General Electrical Mechanical	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	T & M Mechanical
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

NO.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
153-A*	Electrical items coordination	Electrical.	6/6/77	Contractor to sign
155-P *	Provide work and material to accomodate MTS	General Electrical Mechanical	6/15/77	Mechanical to go ahead Contractor to sign
159-P*	Revision to room 9-138	General Electrical	6/24/77	Electrical rejected General in process
164-P*	Reverse door swings on 2nd floor	General Electrical	8/5/77	Contractor to sign
165-P	All provision for intrusion system	General Electrical	8/5/77	Gen. & Elec. T & M
166-P	Revisions to 8th floor	Electrical General Mechanical	8/5/77	Electrical to quote
167-P	Revisions to 3rd floor	General Electrical Mechanical	8/5/77	Contractor to sign
173-E	Omit full height masonry wall - new 8" concrete wall between these rooms & Parallel to Grid E8	General	8/23/77	General to quote
179-E	Install roof drains to grids E5 & E10 Neas S41	General Mechanical	8/30/77	Contractor to sign
180-E	Revise F & M System	Electrical	9/77	In process
181-E	Modify General Contract	General	9/77	In Process
182-E	Fire Management	Electrical	9/77	In Process



# SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 87 - 10/13/77

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

\* Not Present

CORRECTIONS:

- ✓284. Kogl - The word wiring should read air piping instead.

REVIEW:

- ✓263. Roettger - Steel beams for the Mayo link were installed yesterday. Alpana will start on the covering the week of October 17th.

Hughes - The work should be scheduled so that the brick paving can keep working without interruption.

- ✓184. Bellair - One of the panels is here and the other one should not cause a delay. We will be ready to work with the installers.

Roettger - Mechanical and general will have to work with the electrical to get these rooms wrapped up now.

283. Fick - Are we placing ceiling pads that have to be removed before the final punch out? Perhaps it would be more appropriate for the University to place the tile later when ready and we would issue a credit for that work.

Kogl - The perimeter pads will be placed and the floor punched out. The main tile will be placed later. The owner will then be responsible for work going on and damage caused to work that has been accepted. The only clean up the contractor would have then would be paper wrappers and large pieces which would be the same.

Roettger - If we get answers on three disputed items above the ceiling, we should be able to accomplish the punchout quickly. This delay would have to be agreeable with Poppenberger. We would like to give a date to punch out and not have to wait for the other contractors.

- ✓Bellair - We do not have answers yet on the above ceiling electrical problems.

Hughes - The other contractors should be completed as much as possible.

284. Bellair - The work is proceeding now. Division of responsibility will be determined later.

- ✓292. Fick - The escalator connections are on a truck locally and are to be delivered to the jobsite today.

294. Swanson - We have put up temporary walls and changed locks.

Hendricks - The inside door handles have been removed from cores so be careful going into them.

- ✓295. Roettger - I request that after this meeting Dick Carlson check the mat recess with me at Unit 'A' and also examine the joints in a sample area of paving brick which were grouted by the ceramic tile contractor this morning.
- 296. Hughes - We want all painting to be done and louvers installed before we conduct the roof inspection.
- ✓297. ✓Anderson - You have no fire protection now in the 7th floor. We have water in the stand pipe in the stairway. We ask that everyone avoid the Mod. 166 area on this floor because the work is not finished yet.
  - ✓Culligan - We are pulling alarm wiring now and will hook up shortly.
  - ✓Bellair - We will check with Honeywell and give you a date as to when this system can be turned on..
  - ✓Maupin - When all material is on the floor, it will be 3/4 covered.

NEW BUSINESS:

- ✓298. Fick - The X-Ray area has now been held up for 14 months. When can this area be plastered? *317 support room only.*
  - ✓John Thesenvitz - The electrical still has work to do here.
  - ✓Bellair - We hand carried shop drawings for approval and it took two weeks to get them back. We ordered the material as soon as we got the drawings and it should be here shortly.
  - ✓Roettger - The operating rooms are ready to plaster now.
- ✓299. Swanson - Is the early December date set last month still valid for the art rooms in the basement?
  - ✓Roettger - We will need the help of all contractors to make it.
  - ✓Hughes - We will set up a meeting of the contractors to set up a schedule for this area.
  - ✓Mellum - We will need all systems operable at this time.

✓300. Hughes - When can we schedule contractors for other types of work in the auditorium?

✓Roettger - Thanksgiving Week sounds okay for now.

✓301. Kujawa - We would like to thank all concerned for the cooperation extended in coordinating the work on the Link to Mayo.

✓302. Fallon - When we final out, try to have all manuals and as-builts ready.

Hughes - We need all manuals before demonstration of equipment.

✓303. Roettger - We have a meeting tomorrow concerning the blacktop. We cannot get proper compaction with the materials being used.

✓304. Hastert - We have a problem with the X 97 sinks.

Roettger - There is a man coming out today to check on the sinks to see what can be done. The use of new sinks would not be possible since it would delay the use of the area five to six months.

✓\* what happened to  
the corner plate/  
Bull hardware problem.

→ Call Division re. hardware buying  
floors 11, 12 & B.

# SHEEHY WORK SCHEDULE

\* UOFM. PUNCH OUT ROOF? SANBERG - ALL MCLS METAL - INSIDE  
\* 12TH?  
\* 11TH? \* SHEEHY - EXT. WALKS -  
\* 9TH ABOVE CEIL? ALL CONT. 7TH FL OFF LIMITS  
\* SHEEHY - PRE PUNCH LIST ON 12

WED. 10-12-77

A.S. - VAT - 4TH FL P. CEIL BO. 12TH FL  
PRE - BOLLARDS - S.W. PLAZA J.N. PAINT CORES - 12 + 11  
P - DRYWALL - 3RD FL BA - TOUCH UP SAMPLE - 12TH  
PRE - MOD 98?

THUR. 10-13-77

P. LATH - AUDITORIUM CEIL ALPANA - ADJUST ALL WOODS  
SAND - LINK TO MAYO R.K. CERAMIC - 6-4-2-1-B  
HAM - CAULK ST STEEL TOPS. S - EXT. STEPS. WALLS.  
B.K. GROUT PAVERS DELAWARE

FRI 10-14-77

\* UOFM. PUNCH OUT 9TH PAUL'S - CSWK. MOD - 94.  
HAM - COMPLETE 11 + 12 CSWK BIGI - FEATURE STRIPS  
CLEAN UP DAY N.H. WEST PLAZA LEAKS  
TOTAL. 9AM MEETING BLACKTOP

MON 10-17-77

A.S. - VAT - 1ST FL SPANJERS - W/S - EXT DOORS.  
A.S. CLEAN + WAX 12 + 11TH SANDER - RM - E-143  
PRE - TU STUDIO - BSMT. PRE - PUNCH LIST COMP - 11TH

TUES 10-18-77

LAMB. HEAT ON P. CEIL BO. 11TH FL  
BAB - POINT + CLEAN. P - MOD - 120 - 2ND FL  
PRE - BOLLARD LTS. COMP. J.N. PAINT MOD 69

WED 10-19-77

S - R.F. SHIELDED RM. 9TH FL HAM - 1ST FL CASEWORK  
ARRI. PAVERS. H.H. F.E. CAB DRs. NOW.

THUR 10-20-77

H.H. - LSI CSWK. 8TH FL S - AIR CH. INSUL. BSMT.  
S - FIRE CAB - 9 + 8TH

FRI 10-21-77

CLEAN UP DAY  
UOFM. COORDINATE YOUR WIRING WITH LSI

MON 10-24-77

S. EXT WORK COMPLETE

TUES 10-25-77

10-27-77

11 - 11 - 11 - 11 - 11 - 11

11 - 11 - 11 - 11 - 11 - 11



## Plumbing

- 1.) Sleeve & inset as necessary
- 2.) 5-6239 - Plumbing Finishes 9<sup>th</sup> Floor.
- 3.) 6-0406 - Plumbing Rough-in West Mezz.
- 4.) Finish on 12 & 11
- 5.) Punchlist on 12<sup>th</sup> Floor ceiling
- 6.) 3<sup>rd</sup> Floor in wall work.
- 7.) All R. W. Leaders complete.
- 8.) Punch list on 7 & 11.

## Heating

- 1.) sleeve & inset as necessary
- 2.) Punchlist on 12<sup>th</sup> Floor ceiling.
- 3.) Hook up Heat Recovery coils on 15<sup>th</sup> Floor.
- 4.) Mod. # 94-B on 10<sup>th</sup> Floor.
- 5.) Filling Radiation system, 6<sup>th</sup> Floor & up.
- 6.) Remote radiator piping is complete.
- 7.) Finish on Emergency Generators
- 8.) Air Handling units in basement.
- 9.) Piping on Mezz. west area
- 10.) Fill Reheat system - 6<sup>th</sup> Floor & up.

## Sprinkler Fitter

- 1.) Testing 9<sup>th</sup> Floor ceiling
- 2.) Punch list on 12<sup>th</sup> Floor ceiling
- 3.) Cutting drops on 3<sup>rd</sup> Floor ceiling
- 4.) Mains & Branches on Mezz. west.
- 5.) Finish on 10<sup>th</sup> Floor.
- 6.) Punchlist on 11 & 7.

PREMIER SCHEDULE  
 10-11-77 - 10-17-77

6-3004	FEEDER CONDUIT	BASE WEST
6-3015	" "	1ST WEST
6-3024	" "	2ND WEST
6-3902	BRANCH CONDUIT - CEILING	BASE O-6
6-3903	" " "	BASE 8-9
6-4402	BRANCH CONDUIT - WALLS	BASE - O-6
6-4403	" " "	BASE 8-9
6-4312	BRANCH WIRE - CEILING	1ST N.W.
6-4319	" " "	1ST ST. 8
6-4512	BRANCH WIRE - WALLS	1ST NW
6-4519	" " - "	1ST ST. 8
8-7103	CONNECT MOTORS	BASE
6-4412	BRANCH CONDUIT - WALL	1ST WEST
6-5020	RECESSED LIGHTING	2ND O-6
6-7530	FM EQUIP. RM-3-75	3rd Floor
	Mod 94 P	10 & 11th Fl.
	Mod 98 P	2nd Fl
	Mod 69	2nd Fl
	Mod 120	2nd Fl
	Mod 47	STREET
	Mod 70	7th Fl.
	WIRE + INSTALL BALLAND lights	STREET
	LOW VOLTAGE LIGHTING	
	AUDITORIUM - COVE LIGHTING	



# SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 88 - 10/20/77

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	Wm. Poppenberger

\* Not Present

CORRECTIONS:

- ✓298. Carlson - The X-ray area should read Urology Area instead. The shop drawings referred to were added by a Modification.

REVIEW:

- ✓263. Roettger - We will pour the floor of the link next and then Alpana can start which may be around October 26th. The pavers should be in place and grouted and we will have to plank over them.

- ✓292. Roettger - The Brandt-Airflex Corporation is revising the escalator connections on the jobsite and then will make the installation.

283. Culligan - Our problems above the ceiling are resolved and we should be through today.

Kogl - How long to finish the pads on the 12th floor?

Thesenvitz - About one week.

Roettger - We would like to punch out tomorrow.

Hughes - We will set up as soon as possible.

- ✓295. Roettger - I request that Dick Carlson check the sample grout filler area on the brick pavers after this meeting. Also please check another feature strip sample which has been prepared.

- ✓297. Anderson - There is no change on the fire protection as of today.

Sievers - We will have this wired by noon today.

Kogl - Make sure all operational information is turned over and coordinated with Dick Hendricks.

- ✓298. Culligan - The duct which was added in the Urology Area by Modification should be here today or tomorrow and we will install it immediately so that plastering in this area can finally proceed.

- ✓299. Culligan - We will be out of the way of the sheet rockers and plasterers in two weeks.

Roettger - Premier will also take two weeks in the Auditorium area and Poppenberger can work with them during the second week.

Hughes - The interior design people can work in the Auditorium with other trades in a limited way.

- ✓302. Kogl - Referring to as-built drawings we are mainly concerned with structural and buried items so that we have a record of them.

Roettger - We have some changes in hardware where stops and so forth are being changed - we will note this on final hardware schedule.

NEW BUSINESS:

- ✓305. Fick - How do we proceed with the Sonic Alarm System as segments of the building are completed?

Kogl - Drop off of the system any given floor as it is accepted.

- ✓306. Roettger - We need answers and lots of coordination in order to get the Basement and the Auditorium done by the scheduled dates.

✓Kogl - Make a schedule so that we can monitor different items individually. Man days can be assigned, if you cannot get answers from Hughes on problems, come directly to me. We need these areas.

✓Roettger - We will meet with you on Monday and give you a schedule.

- ✓307. Roettger - (in response to a question by Hendricks) The entrance on Unit 'A' can be complete in one week.

- ✓308. Hendricks - The first floor tunnel is for the use of the Owner. Why have you stored casework there? Also the overhead work is still going on.

Greene - This area was not turned over as being complete. You will have to share with others.

- ✓309. Hendricks - All work being done on the 7th floor must be coordinated with Hughes office.

Hughes - This is being done.

- ✓310. Kujawa - We will have a meeting at 2:30 today on the noise and vibration on the second floor at Mayo.

## Plumbing

- 1.) Sleeve & insert as necessary
- 2.) 5-6239 - Plumbing Finishes 9<sup>th</sup> Floor.
- 3.) 6-0406 - Plumbing Rough-in West Mezz.
- 4.) Finish on 12 + 11
- 5.) Punchlist on 12<sup>th</sup> Floor ceiling
- 6.) 3<sup>rd</sup> Floor in wall work.
- 7.) All R. W. Leaders complete.
- 8.) Punch list on 7 + 11.

## Heating

- 1.) sleeve & insert as necessary
- 2.) Punchlist on 12<sup>th</sup> Floor ceiling.
- 3.) Hook up Heat Recovery coils on 15<sup>th</sup> Floor.
- 4.) Mod. # 94-P on 10<sup>th</sup> Floor.
- 5.) Filling Radiation system, 6<sup>th</sup> Floor & up.
- 6.) Remote radiator piping is complete.
- 7.) Finish on Emergency Generators
- 8.) Air Handling units in basement.
- 9.) Piping on Mezz. west area
- 10.) Fill Reheat system - 6<sup>th</sup> Floor & up.

## Sprinkler Fitter

- 1.) Testing 9<sup>th</sup> Floor ceiling
- 2.) Punch list on 12<sup>th</sup> Floor ceiling
- 3.) Cutting drops on 3<sup>rd</sup> Floor ceiling
- 4.) Mains & Branches on Mezz. west.
- 5.) Finish on 10<sup>th</sup> Floor.
- 6.) Punch list on 11 & 7.

## PIPE COVER

- 1.) 15<sup>th</sup> Floor Equipment Room
- 2.) 10<sup>th</sup> " " "
- 3.) Basement " "

4) Punch list on 12<sup>th</sup> Floor ceiling.

5) R.W. Leader's in Mezz. west

6) Mod. work on 1<sup>st</sup> + 2<sup>nd</sup> Floors.

7) Punch list on 11 + 7.

## Sheet Metal.

1) Mod. # 19-A - 1<sup>st</sup> of Basement Floor corridors.

2) Fume Hoods on 12<sup>th</sup> + 11<sup>th</sup> Floors.

3) Finish work on 10<sup>th</sup> FL. EQUIP. ROOM.

4) Mod # 94P on 10<sup>th</sup> + 11<sup>th</sup> Floors.

5) 15<sup>th</sup> FL. EXHAUST FANS.

6) Basement Air Handling units

7) Punch list on 12<sup>th</sup> Floor ceiling

8) Punch list on 11 + 7.

PREMIER SCHEDULE  
10-11-77 - 10-17-77

6-3004	FEEDER CONDUIT	BASE WEST
6-3015	" "	1ST WEST
6-3024	" "	2ND WEST
6-3902	BRANCH CONDUIT - CEILING	BASE 0-6
6-3903	" " "	BASE 8-9
6-4402	BRANCH CONDUIT - WALLS	BASE - 0-6
6-4403	" " "	BASE 8-9
6-4312	BRANCH WIRE - CEILING	1ST N.W.
6-4319	" " "	1ST ST. 8
6-4512	BRANCH WIRE - WALLS	1ST NW
6-4519	" " - "	1ST ST. 8
6-7103	CONNECT MOTORS	BASE
6-4412	BRANCH CONDUIT - WALL	1ST WEST
6-5020	RECESSED LIGHTING	2ND 0-6
6-7530	FM EQUIP. RM-3-75	3rd Floor
	Mod 94 P	10 + 11th Fl.
	Mod 98 P	2nd Fl
	Mod 69	2nd Fl
	Mod 120	2nd Fl
	Mod 47	STREET
	Mod 70	7th Fl.
	WIRE + INSTALL Bollard lights	STREET
	LOW VOLTAGE LIGHTING	
	Auditorium - Cove lighting	



# SHEEHY WORK SCHEDULE

10-18-77

HAYES - 15TH FLOOR - CLEAN UP ? NOW!

O'BRIEN - REMOVE DUCT FROM 14TH ? NOW

B.A. - TOUCH UP RAD. 12 + 11TH

PRE. - MOD 98 ?

WED. 10-19-77

S. - RF SHIELDED RMS.

APRI. - PAVERS. WEST PLAZA

S. - SIDEWALK S.W.

PRE. - T.U. STUDIO - BSMT.

P. - LATH AUDITORIUM

P. - MOD 120 - 2ND FL

S. - PANELING MOD 94

THUR. 10-20-77

\* UOFM - PUNCH OUT 12TH

BK. - BROWN GROUT. PAVERS

HAM. - CASEWK - 11TH COMPLETE.

S. - AIR CH INSUL. 10TH

S. - CLEAN UP 14TH

J.N. - PIPE STENCIL

P. - TAPE - BSMT.

FRI 10-21-77

BIGI. - FEATURE STRIPS

CLEAN UP DAY

GATEWAY. - GLASS EXT.

S. - AIR CH. INSUL. BSMT.

UOFM. - COORDINATE WIRING W-LSI

P. - DRYWALL BSMT

S. - DOORS 1ST FLOOR

MON 10-24-77

SPANNERS. - W/S EXT. DOORS

S. - FIRE CAB. 9 + 8

SANDBERG. - AIR CH. S-25-E-18

P. - MOD - 69

BSMT. WORK ? LAMB?

PRE. 6.4402. BR. COND. July 23. 77

PRE 6.4502 BR. WIRE July 27. 77

TUES 10-25-77

H.H. - LSI CSWK - 8TH

BAB. - CLEAN & POINT

\* UOFM - PUNCH OUT 9TH CEIL

P. - 6.4602. DRYWALL July 29. 77

J.N. - 6.4802. PAINT. Aug. 2. 77

HAM. - 6.5602. CSWK. Aug 8. 77

S. - 6.6002. LAB EQ. Sept 13. 77

WED 10-26-77

\* UOFM - PUNCH OUT 8TH CEIL

PRE. - COMPLETE 3RD

PRE. - 6.7502. FL PLATES Aug 23. 77

S. - 6.8602. HOWE DOORS. Aug 17. 77

THUR 10-27-77

\* UOFM. PUNCH OUT 11TH

P. - DRYWALL 3RD

PRE. WHAT ARE YOU DOING TO CORRECT?

S. - HOWE - 1ST FLOOR

INT. - LINK TO MAYO

FRI 10-28-77

CLEAN UP DAY

L. - GET-IT-TOGETHER

S. - EXTERIOR WORK - COMPLETE

S. - BL. ME22 WEST

MON 10-31-77

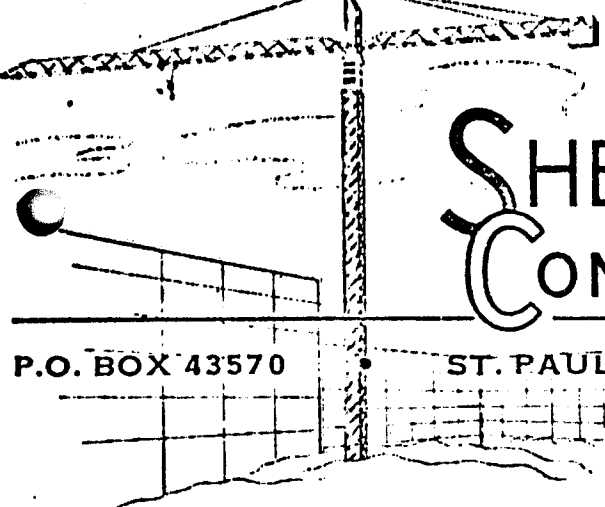
\* UOFM. PUNCH OUT 6TH CEIL

TUES 11-1-77 - \* UOFM. PUNCH OUT 5TH CEIL

MOD 94 - COMPLETE

MOD.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
51-P*	Floor sleeves to alleviate spilled or over-flow liquid migration between floors	General Electrical Mechanical	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	T & M Mechanical
136-A*	Aud. Seating	General Electrical	4/14/77	Electrical T & M
150-E*	Mechanical work for MTS	Mechanical	7/20/77	U of M Evaluating

MOD.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
153-A*	Electrical items coordination	Electrical	6/6/77	Contractor to sign
155-P*	Provide work and material to accomodate MTS	General Electrical Mechanical	6/15/77	Mechanical to go ahead Contractor to sign
164-P*	Reverse door swings on 2nd floor	General Electrical	8/5/77	Processing
165-P	All provisions for intrusion system	General Electrical	8/5/77	Gen & Elec. T & M
166-P	Revisions to 8th floor	Electrical General Mechanical	8/5/77	H.S.A.E/U.M. to eval.
167-P	Revisions to 3rd floor	Electrical General Mechanical	8/5/77	Contractor to sign
173-E	Omit full height masonry wall - new 8" Concrete wall between these rooms & Parallel to Grid E8	General	8/23/77	General to quote
174-E	Accomodate MTS System - new slab opening	General	9/30/77	General to quote
179-E	Install roof drains to grids E5 & E10 near S41	General	8/30/77	Contractor to sign
183-E	Provide additional pipe supports	Mechanical	1/18/77	Contractor to quote



# SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 89 - 10/27/77

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
* John Hillan	Straughan Hardware
* Dennis Arrigoni	Arrigoni Bros.
* Not Present	

RECEIVED

NOV 7 1977

UNIV. OF MINN.  
HEALTH SCIENCE  
PLANNING OFFICE

REVIEW:

263. Roettger - We poured the Mayo Link slab to within six feet of Mayo Hospital. The heating and air conditioning unit there must be moved. Alpana should start Monday.

292. Roettger - We are plastering now. Brandt-Airflex is still short some connection pieces. Their men left the jobsite yesterday and we will find out what the problem is.

295. Carlson & Kogl - The grout filler sample in the paving brick area looks satisfactory now and as close as we are going to get.

Roettger - The feature strip work is starting by Diehl Hall today. The 3/4" rock has been approved. Janesville #6 is the aggregate that is being used and they will use a light cement.

297. Anderson - There is no change in the fire protection of the 7th floor as of today.

Mellum - We should have a red light indicator when the sprinkler is off.

Sievers - I will meet with you today and demonstrate how the system works. We can make the installation so that the red light indicator shows.

298. Roettger - We are hanging doors now in this area and will need the test on the radiation shortly.

\*302. Roettger - The hardware supplier will have to note all changes on the hardware schedule so that the final schedule is an accurate reflection of the finish hardware as it is installed completely throughout the building.

299. Culligan - We are complete in the auditorium ceiling.

Mellum - I will get the University people in to place conduit.

Anderson - The sheet metal work there should be done today.

306. Roettger - The meeting was held and the schedule made. So far it is working. Premier is ahead. We need the cooperation of all.

Kogl - I will go over it with Hughes and pass it on to the planning office.

308. Kogl - We must maintain a safe passageway in the first floor tunnel. I request that Hughes set up a meeting and schedule this with the contractors.

Roettger - We will move the casework and it will take three weeks to finish if all the contractors work together.

NEW BUSINESS:

311. Fick - We are waiting for a Modification covering the added access panels in two of the R.F. Shielded Rooms.

Mellum - We will meet with Kujawa and get the Modification for this work issued.

312. Fick - There will be a meeting today at 1:30 on the aluminum windows.

313. Fick - Mods. 155 and 167 were signed by us October 10th and have not come back yet. Mod. 179 was signed by us a month ago and that is not back either.

Carlson - We just got numbers 155 and 167 back from Hayes and Hayes has not yet signed and returned number 179.

Fick - We submitted Mod. 166 more than six weeks ago and have heard nothing about it.

Hughes - I will review this one with Kogl.

314. Fick - The extra men Premier hired early this month are apparently gone again effective some time last week. I presume the electrical work is falling behind again. +

Roettger - I believe the owner's electrical inspectors should state if the electrical work is staying up-to-date or not. +

Mellum - There is work to be done in every corner of the building. X

Culligan - Sure there is or we wouldn't be here.

Kogl - Wally, in your opinion is the electrical force sufficient to complete on schedule:

Mellum - I will have to update myself with all the latest scheduling information before I can make that assessment.

Culligan - We can get men and expedite certain areas where it is practical.

315. Roettger - There is a manhole on east Delaware which cannot be found.

Kogl - Jim Fallon get a hold of Jerry Nelson's office and get the right people out here to locate the manhole.

316. Roettger - On West Essex by Powell Hall you are having compaction tested, what are your plans?

Kogl - We will have a settlement crack and we would like direction from the architect on this.

Carlson - We will look at it and get back to you.

317. Fallon - We do not have complete results yet of the tests Braun took in West Delaware Street. Some areas were  $4\frac{1}{2}$ " and some were 7".

Roettger - We need the results from Braun. I don't think it will hold up when completed.

318. Roettger - Is B/C supposed to be a holding area for other contractors and jobs being done at the University as far as manpower, material, equipment, etc. are concerned?

Kogl - No - For the use of B/C Only.

319. Hughes - The procedure for the installation of the brick pavers we established with Arrigoni Brothers is not being followed.

Greene - This is mainly on the south side of Delaware Street.

Fallon - The lines must be maintained with the grids.

Kogl - Mark areas and make them redo. When set individually it is easy to have deviations. The overall layout of lines must be maintained.

320. Lang - Does the completion date for the Auditorium include the corridor along Diehl Hall.

Roettger - Yes.

Anderson - We have some service piping in this area that must be raised.

321. Roettger - We are adjusting to the proper elevations, the manhole covers and keeping track of the time and material involved in doing so for submission for reimbursement to the owner.

Fallon - The mechanical installed a hydrant on the Mayo Garage roof and we would like the as-built drawing to show how this was done in detail.

322. Hendricks - What is the status of lighting along Diehl Hall and Delaware.

Culligan - This work is being done now.

323. Hendricks - We request that you get the pipe chase cleaned in Todd Hall and also that you get the clean up and work finished in the Basement Lobby for elevator #11.

Roettger - We will take care of both of these.

324. Roettger - We expect to complete the demolition in Todd Hall tonight. We ask that the owner get the equipment moved so that we can speed up the schedule.

Kujawa - I will try to update the schedule.

325. Hendricks - We must have instruction and maintenance manuals on all equipment that we take over such as compressors and booster pumps and the like.



Pat

# SHEEHY WORK SCHEDULE

U of M. PUNCH OUT 12TH	JN - PIPE STENCIL
ITEMS U of M PUNCH OUT ABOVE CEIL 9TH	O'B - REMOVE UNUSED MTRL.
WHY? S - FIRE CAB - 9-8-6-5-4	L - 5TH FL STORAGE?
H.H. 8TH FLOOR CSDK	PRE - 13TH FL STORAGE?
WED. 10-26-77	O'B - BOXES FOR AUDITORIUM?
U of M PUNCH OUT 8TH ABOVE CEIL	P - TAPE BSMT.
U of M. SYSTEMS AUDITORIUM - CEIL	S - SET JOBS BSMT.
P - DRYWALL BSMT.	BIGI - START FRASURE STRIP
THUR. 10-27-77	S - POUR LINK TO MAYO
U of M. PUNCH OUT 11TH	TOT - COMPLETE - PAPER AREA
P - DRYWALL 3RD	S - AIR CHAMBERS 10 + B
S - SEAL 14TH FL	PRE - RADIOLOGY AREA FIN.
FRI 10-28-77	S - SET KIOSKS.
U of M PUNCH OUT ROOF - 16TH	RR. CERAMIC.
SPRINKERS W/S - EXT. DOORS	S - DOORS. HANG RADIOLOGY
CLEAN UP DAY	S - PATCH FLOORS FOR PREMIER
MON 10-31-77	JN. PRIME FRAMES BSMT N. CH
U of M PUNCH OUT ROOF 10TH	ALPANA <sup>GATEWAY</sup> SET ENTRANCE GLASS
U of M PUNCH OUT ABOVE CEIL 6TH	S - MOD 94. COMPLETE 11TH
J.N. OAK PANEL - AHD - STRAIN	ALPANA - LINK TO MAYO
TUES 11-1-77	N.H. WP - TOWN TUNNEL
P - LATH AHD CEIL	U of M. RADIATION TEST RADIOLOGY
P - TAPER - 3RD FL	S - HANG DOORS - 1ST
L - CHECK OUT SYSTEM.	J.N. PRIME FR. 1ST
WED 11-2-77	A.J. - FORM TODD TUNNEL ROOF
PRE - AHD CEIL COMP.	S - COMP. RF SHIELDING DMS
S - CLEAN UP EXT.	SANBERG. R. BAR TODD TUNNEL
THUR 11-3-77	
S - HOWE 6-5-4	P - DRYWALL RFRMS 7-1
BA - TOUCH UP	S - POUR TODD ROOF
FRI 11-4-77	
PRE - CONDUIT T.V. BSMT.	ARRI - COMPLETE PROFFS
S - HOWE 1ST	
MON 11-7-77	
U of M. PUNCH OUT SITE	P - PLASTER AUDITORIUM CEIL
J.N. PRIME BSMT.	
TUES 11-8-77	

## Plumbing

- 1.) Sleeve & inset as necessary
- 2.) 5-6239 - Plumbing Finishes 9<sup>th</sup> Floor.
- 3.) 6-0406 - Plumbing Rough-in West Mezz.
- 4.) Finish on 12 + 11
- 5.) Punchlist on 12<sup>th</sup> Floor ceiling
- 6.) 3<sup>rd</sup> Floor in wall work.
- 7.) All R. W. Leaders complete.
- 8.) Punch list on 7 + 11.

## Heating

- 1.) sleeve & inset as necessary
- 2.) Punchlist on 12<sup>th</sup> Floor ceiling.
- 3.) Hook up Heat Recovery coils on 15<sup>th</sup> Floor.
- 4.) Mod. # 94-P on 10<sup>th</sup> Floor.
- 5.) Filling Radiation system, 6<sup>th</sup> Floor + up.
- 6.) Remote Radiator Piping is complete.
- 7.) Finish on Emergency Generators
- 8.) Air Handling units in basement.
- 9.) Piping on Mezz. West Area
- 10.) Fill Reheat system - 6<sup>th</sup> Floor + up.

## Sprinkler Fitter

- 1.) Testing 9<sup>th</sup> Floor ceiling
- 2.) Punch list on 12<sup>th</sup> Floor ceiling
- 3.) Cutting drops on 3<sup>rd</sup> Floor ceiling
- 4.) Mains & Branches on Mezz. West.
- 5.) Finish on 10<sup>th</sup> Floor.
- 6.) Punchlist on 11 + 7.

## Pipe Cover

- 1.) 15<sup>th</sup> Floor Equipment Room
- 2.) 10<sup>th</sup> " " "
- 3.) Basement " "

4) Punch list on 12<sup>th</sup> Floor ceiling.

5) R.W. Leader's in Mezz. west

6) Mod. work on 1<sup>st</sup> + 2<sup>nd</sup> Floors.

7) Punch list on 11 + 7.

## Sheet Metal.

1.) Mod. # 19-A - 1<sup>st</sup> + Basement Floor corridors.

2.) Fume Hoods on 12<sup>th</sup> + 11<sup>th</sup> Floors.

3.) Finish work on 10<sup>th</sup> Fl. Equip. Room.

4.) Mod # 948 on 10<sup>th</sup> + 11<sup>th</sup> Floors.

5.) 15<sup>th</sup> Fl. Exhaust Fans.

6.) Basement Air Handling units

7.) Punch list on 12<sup>th</sup> Floor ceiling

8.) Punch list on 11 + 7.

PREMIER SCHEDULE  
10-11-77 - 10-27-77

6-3004	FEEDER CONDUIT	BASE WEST
6-3015	" "	1ST WEST
6-3024	" "	2ND WEST
-3902	BRANCH CONDUIT - CEILING	BASE 0-6
-3903	" " "	BASE 8-9
-4402	BRANCH CONDUIT - WALLS	BASE - 0-6
-4403	" " "	BASE 8-9
-4312	BRANCH WIRE - CEILING	1ST N.W.
-4319	" " "	1ST ST. S.
-4512	BRANCH WIRE - WALLS	1ST NW
-519	" " - "	1ST ST. S.
-7103	CONNECT MOTORS	BASE
-4412	BRANCH CONDUIT - WALL	1ST WEST
-5020	RECESSED LIGHTING	2ND 0-6
-7530	FM EQUIP. RM-3-75	3rd Floor
	Mod 94 P	10 + 11th Fl
	Mod 98 P	2nd Fl
	Mod 69	2nd Fl
	Mod 120	2nd Fl
	Mod 47	STREET
	Mod 70	7th Fl.
	WIRE + INSTALL BALLARD LIGHTS	STREET
	LOW VOLTAGE LIGHTING	
	AUDITORIUM - COVE LIGHTING	



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P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 90 - November 3, 1977

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
<del>Bob Swanson</del>	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
Dennis Arrigoni	Arrigoni Bros.

\* Not Present

RECEIVED

NOV 10 1977

UNIV. OF MINN.  
HEALTH SCIENCE  
PLANNING OFFICE

REVIEW

- ✓263. Roettger: Alpana started its work on the Mayo link today. What is the schedule on the relocation of the air conditioning unit?
- Hastert: We will be working on that tomorrow.
- ✓292. Fick: The Brandt-Airflex Corporation has been sold to new owners and they are now located in a suburb of New York City. They are still engaged in the same type of work and a representative of their firm will be here on the job next Monday to go over all items they have yet to finish. I wish Messrs. Hughes and Green would join Roettger and me when we go over the items on the job with the Brandt-Airflex representative.
- ✓295. Hughes: I feel that the feature strips could stand a little more washing in order to get more uniformity of the exposed aggregate.
- ✓297. Kogl: Why isn't the fire protection system on the 7th floor turned on?  
Hendricks: I am satisfied with the system. We must have a contractor meeting and plan on the fire protection with the firemen.  
Anderson: The fire department has been notified that the stand pipe is full.
- Kogl: Turn on the sprinkler then the alarm system.
- Hendricks: Line up questions as to how we will handle with firemen.
- ✓302. Roettger: All changes in the finish hardware from the originally specified requirements were approved by HSAE. Our hardware suppliers will be sending a letter shortly advising when the repair components of stair door hardware will be shipped. So far as the keying and security between units A and B and B to C are concerned one can go through any time. We will review this with Hendricks.
- ✓308. Culligan: Our work in the basement tunnel should be complete by tonight.
- Roettger: Our composition seamless flooring in this corridor was completed and was in good shape. Since then both the mechanical and electrical contractors have done work in there and I feel that if there was any damage done to the floor it should be the responsibility of the guilty party and not of us.
- Kogl: Green, you follow up on this and try to establish responsibility if there are any areas which will not pass the punch list.
- ✓315. Fallon: We need steps in the appropriate man holes where they are required because of the amounts they were raised.
- Roettger: Neither this work nor adjusting the heights of the man holes was included in the scope of our contract. We are doing the work under protest and will include these steps. The costs will be submitted to the owner for reimbursement; and I should add that one of the man holes is not indicated on the drawings.

- ✓316. Roettger: We are still waiting for direction from the owner as to what to do on West Essex by Powell Hall.

Kogl: We have the architectural drawing now. We asked for a 23 61 wearing coarse but we will accept 23 41 because of the availability.

- ✓317. Roettger: The Braun test results for west Delaware are in now. I don't think that the street can hold up with the water coming in from the planter area. We used styrofoam SM as instructed and it seems to be compressing and is not standing up to the loads. We are getting near the end of the black-top paving season now and we have Twin City Testing coming in to make tests for us.

Kogl: The compaction test passed but there are too many fines and the fines are turning to soup. I will have Dow here to test as my understanding was that the styrofoam SM stood a compression of 40 psi. The paving was not acceptable to start with.

Carlson: This work was not part of the original contract and the change was due to the waterproofing of the Mayo garage roof.

- ✓321. Fallon: We are still waiting for the sketch from Hayes showing the details of the installation of the hydrant.

Anderson: The University roofers took care of this. I will get back to you.

- ✓322. Culligan: We will have the lights on on Monday.

- ✓323. Hendricks: Both the pipe space and elevator 11 still need clean up.

- ✓324. Kujawa: We should have the Todd Hall demolition area ready for you on November 11.

NEW BUSINESS

- ✓326. Roettger: We need approval from Mr. Kogl on the method of connecting the hold-open on the windows.

Hughes: On Unit A they took hooks off and brazed on an extension and re-installed.

Kogl: Try one and then we will make a decision.

Carlson: Should make up a sample: A hold-open arm is an alternative to what was specified.

- ✓327. Anderson: We will be covering pipe in Unit A and in the first floor corridor immediately.

- ✓328. Magnuson: The door frames for elevator #1 should be here around November 15. We are still trying to get a firm date for the motor.

Roettger: We are planning to use the shaft to hoist concrete for roof cores if this work proceeds.

Whelan: Will you need accessibility to valves which were discussed during the roof inspection?

Hendricks: We need some type of access to them.

Carlson: This was changed by Mod. as a cost saving to the owner.

Roettger: If access is necessary a possibility might be the insertion of sleeves so that you could drop the cable similar to what is used on the overhangs.

✓329. Kogl: What is the status of the tapes for Honeywell?

Kujawa: They are being reviewed today. Will try to get as soon as possible.

✓330. Hendricks: What is the completion date for the work on elevator #11?

Magnuson: We hope to be finished with our work by the end of next week.

✓331. Hendricks: Access between Diehl and Mayo could be hazardous. Is it possible to add a temporarily covered sidewalk under the Mayo link?

Kogl: If you have the money to pay for this, it can be done.

Roettger: Noise restriction is a problem. We were shut down the other night due to a misunderstanding.

Hendricks: What is happening on the water leaks?

Roettger: Our subcontractor and we are working on these now.

✓332. Hendricks: What about the cracks in the floor? We had these in Unit A also.

Carlson: Jack Larson and Hughes went over this matter. Larson wrote a letter to the owner. There is no structural problem.



# SHEEHY WORK SCHEDULE

11-2-77

S - COMP PUNCH LIST 12TH

P - TAPERS ?

J.N. - PIPE STENCIL - 11 + 12

UofM - DEFENDANCE ?

O'B. - AIR CH. BSMT. YOU ARE NOT READY!

J.N. - FIN - OAK - AUDITORIUM

WED. 11-2-77

J.N. - PRIME - 1-95

P - PLASTER ESCALATOR

P - LATH - HYD

SANBEN - RR. WALL (REACTOR)

E+S - PIPE COVER. 1-95

P - DRYWALL - 3RD.

THUR. 11-3-77

P - PLASTER OR 1ST

S - HOWE - 6-5-4-2-1-4

S - R.F. SHIELDED RMS.

J.N. - COMPLETE MOD 94 - 11TH

PRE. DEMO - DIEHL

P - CEILING - 1-95

FRI 11-4-77

P - RADIOLOGY RMS - 1ST

ARR - PAVERS -

PRE. COMPLETE TU - B

R.K. - GROUT PAVERS

O'B. - EXTRACT REMOVE

S - AIR CHAMBERS - 2

MON 11-7-77

CLEAN UP DAY

P - CEIL + WALLS - I.V. B

R.K. - CERAMIC - 1-B

UofM - PUNCH OUT SITE -

J.N. - PRIME BSMT.

S - DOORS COMPLETE 1-95

S - PREPARE FOR TEST RADIOLOGY

TUES 11-8-77

BIRGINI - FEATURE STRIPS

P - PLASTER AUDITORIUM

UofM PUNCH OUT 11 - MOD 94

S - PATCH FL FOR PREMIA 11

UofM TEST R.F. SHIELDED RMS.

HAM - CASWORK

WED 11-9-77

A.S. - VNT - 4 - 2 - 1 -

S - SET KIOSKS -

INT. ST. - ALPANA

P - CLEAN UP - 3RD.

THUR 11-10-77

UofM - 9TH FL PUNCH OUT

G. - GLASS COMP - 3RD

P - TAPERS - 3RD.

H.H. - CASWORK - 2-1-6-4

FRI 11-11-77

CLEAN UP DAY

S - LOCKERS

S - TOILET PART

MON 11-14-77

A.S. - VNT - BSMT

J.N. - PRIME FR. 3RD

TUES 11-15-77

UofM - PUNCH OUT 8TH

PREMIER SCHEDULE  
10-3-77 - 11-10-77

BRANCH CONDUIT TV STUDIO CEILING  
HANGERS FOR BATTERS TV STUDIO  
RECESSED FIXTURES 2ND FLOOR  
BRANCH CONDUIT 2ND FLOOR CEILING  
BRANCH WIRE 2ND FL. CEILING  
FINISH RADIOLOGY ROOMS  
CONNECT MOTORS - BASEMENT EQUIP ROOM  
FINISH SITE LIGHTING - BOLLARDS  
PANELS - 3RD FLOOR  
FEEDER WIRE 3RD FLOOR  
ELECTRIC HEAT - WEST PLAZA  
FIVE ALARM DEVICES 8TH FLOOR  
FINISH MOD 94 - MOTOR CONNECTION 10TH FLOOR  
MOD 98P 2ND FLOOR  
BRANCH CONDUIT - WALLS 3RD FLOOR  
BRANCH CONDUIT - CEILING 3RD FLOOR  
RECESSED FIXTURES 3RD FLOOR  
PUNCH OUT 12TH FLOOR  
INSTALL CINC JONES RECEPTS 8TH + 9TH FLOORS

Plumbing

- 1.) Rough-in GLASS waste, vent, + water mezz. west.
- 2.) Rough-in GLASS waste, vent, + water 1<sup>st</sup> Fl. west.
- 3.) Plumbing Fixtures on 8<sup>th</sup> Floor.
- 4.) Punch Lists on 12, 11, + 7.
- 5.) install water main on mod. #55.
- 6.) Medical Gas outlets on 3<sup>rd</sup> Floor.
- 7.) SCRUBING Fixtures + install seats on 9<sup>th</sup> Floor.
- 8.) Complete outside site work as needed.

Heating

- 1.) start-up on chillers + cooling towers
- 2.) Heat Recovery systems on 15<sup>th</sup> Floor.
- 3.) Punch Lists on 12 + 11.
- 4.) Mod. #94 on 10<sup>th</sup> Floor.
- 5.) check out re-heat system and radiation.
- 6.) Basement Equipment Room.
- 7.) start-up on All chilled water + Condenser water pumps in Basement.

Sprinkler Fitter

- 1.) Punch Lists on 12 + 11.
- 2.) Finish heads on 3<sup>rd</sup> Floor.
- 3.) WAITING to activate Heads on 12, 11, + 7.

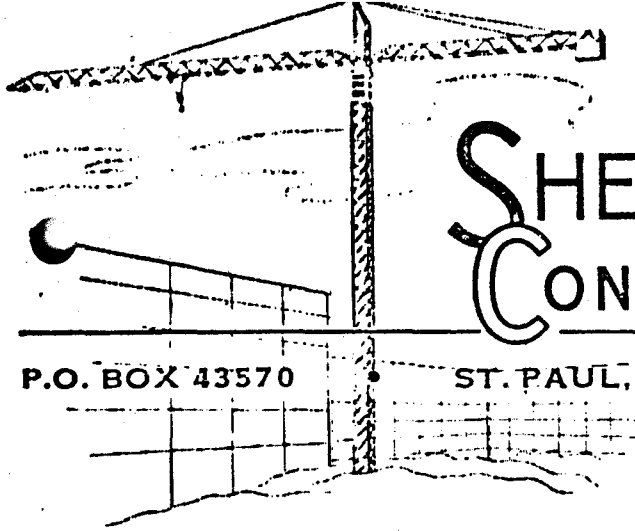
## Sheet metal

- 1.) Punch Lists on 12, 11, + 7.
- 2.) Finish work on 9 + 8.
- 3.) Finish up all work in Auditorium.
- 4.) Install metal in 2<sup>nd</sup> Floor Corridors.
- 5.) Basement equipment Rooms.
- 6.) Mod. # 94 on 10<sup>th</sup> Floor.

## Pipe Covering

- 1.) Mod. # 55 - 1<sup>st</sup> Fl. Corridors
- 2.) 3<sup>rd</sup> Fl. in wall work.
- 3.) Mezz. west, in wall work
- 4.) Equipment Rooms on 15 + 10.
- 5.) Punch Lists on 12, 11, + 7.
- 6.) Touch-up ABOVE ceilings on 9 + 8.

\* see file re. East.  
turn-over



# SHEEHY CONSTRUCTION COMPANY

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

MINUTES OF JOB MEETING - UNIT B/C # 91 - 11/10/77

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      |
| Dennis Arrigoni   | Arrigoni Brothers |

\* Not Present

CORRECTIONS:

317. Kogl - The only change made from the contract was the addition of insulation, reroofing was in the contract to be done by University personnel.

REVIEW:

✓263. Roettger - Interstate Erectors is working now on the Mayo Link without a crane and they can go right up to Mayo Hospital. The air conditioning unit has been removed.

✓297. Anderson - The fire protection system on the 7th floor is turned on.

Mellum - A valve control is needed before the monitoring system can be complete.

Kogl - We will need the system on and working before the 11th and 12th floors can be occupied.

Roettger - We are going to place ceiling tile on the 12th floor - is there any problem?

Culligan - No.

316. Fick - We were issued 8 $\frac{1}{2}$  x 11 HSAE sheets 1 and 2 of 2 showing revisions to a certain portion of the paving and base on the Essex Street cul-de-sac. The print shows one inch of the No. 2341 wearing course whereas the agreed upon revised design A blacktop was to have a two inch wearing course.

Kogl - Change the wearing course to two inches same as we have been using and submit the price to us for this change.

✓317. Roettger - We need to know what we are going to do with West Delaware.

Fick - I have talked to the Dow people and they tell me that their data sheets show that the compressive strength of the styrofoam S.M. is 25 psi. I will give Mr. Kogl a copy of the Dow specification when I receive it from them.

Kogl - The catalog says 40 psi and we will have a meeting on this matter later. The work as I intended it to be was to use the S.M. where we had deep fill and to use the H.D. 300 styrofoam under the street. However, I am having trouble finding any documentation of this.

324. Kujawa - The walls are going up now. I would like to know when the painting and floor will be completed and I also would like a schedule so that I can get Tom Stone's moves scheduled.

Roettger - The painter is there now and we will install the terrazzo shortly.

328. ✓ Hughes - The owner has elected not to pour concrete floors in the six cores on the roof and Sheehy can turn the metal decking over to the owner.

Culligan - What about the lighting?

Carlson - That item is in the contract.

Roettger - Can we get the cores changed in the locks for the sake of safety?

Kogl - As a safety feature, make a wood rail with the chain so that one would have to crawl either over or under the rail in order to get in.

329. Kogl - The information was turned over to Paul Maupin with orders to distribute.

330. ✓ Roettger - Except for the painting, we will be finished with the elevator 11 work next week.

Hendricks - I don't know why the cylinders on the 12th floor were not in the contract to be moved.

Kogl - They were placed by field order on Unit 'A'.

Carlson - We think it is an owner problem.

Hendricks - I will have them moved.

331. Kogl - How soon before the Mayo Link will be in a safe condition?

Roettger - We are working from East to West and it will depend on the weather - hopefully within two weeks. So far as water is concerned, we opened up on West Mayo on top of a planter and there was four inches of water standing. This has been brought up before.

Hastert - We will have some water standing because we cannot place drain tile directly on the garage roof.

Fallon - The owner water tested for 48 hours.

Roettger - No, the owner never conducted any water tests.

Greene - What about the S25 line?

Roettger - We are waiting for a rubber insert.

Hendricks - What about Diehl Hall?

Roettger - When we complete the tunnel this should stop that.

✓ Roettger - What finish do you want on the three bollards which lean up against Diehl Hall for protection?

Carlson - The same as on B/C.

NEW BUSINESS:

333. ✓ Roettger - We aimed the light bollards along Delaware the way they were shown on the Babcock shop drawings and now we are told that some of them are aimed wrong.

Carlson - I will show you after the meeting. We do not approve erection shop drawings.

Hughes - For the record Greene gave a memo on what our feelings are as Greene was in on the meeting.

334. ✓ Arrigoni - As far as the installation of the paving brick is concerned, I talked to our blacktop subcontractor and they claimed that the compaction was proper.

Hughes - We will take cores and test to see.

Hastert - The shop drawing is wrong for the Unit 'A' entrance. The plumber will move the drain and Sheehy will patch the holes.

Arrigoni - I have nothing in writing concerning the three planters on the West Plaza.

Kogl - Hughes get a letter out on this so that we are all covered by what we do.

Roettger - If the weather is right, it would seem to be to Arrigoni's advantage to work on the pavers on Saturdays.

335. ✓ Anderson - Block walls in basement which go to the ceiling - the sprinkler line in this area could freeze.

Roettger - We will have to open this up to determine who is responsible?

336. ✓ Culligan - The package units are running now: S9, S10, S11, S24.

Exhaust fan in OFFICE, AC  
T. CULLIGAN

Anderson - We are placing the filters in today.

337. ✓ Hughes - The following are items for which we think we are running out of time - this is only as we see them now and we may be missing some:

1. Fire management supervisory units. Meeting tomorrow.
2. Inertia pads - meeting next Wednesday.
3. Unit 'A' and fire pump being a part of the system because of fusing.
4. Start of return air fans as to responsibility on controls.
5. Progress of air chamber insulation. Roettger - We will be going ahead of mechanical on this.  
Anderson - If your sub works outside and then back to the inside, we can keep up.
6. Exhaust air stairway.
7. Medical gas alarm. Kujawa - How do we verify what type of gas is coming in where.  
Hastert - We check each <sup>OUTLET</sup> ~~conduit~~ separately. Kogl - Have University personnel present during operational equipment inspection. Notify Kujawa when these will take place.



8. Fuel oil operational systems.
  9. Barometric loops. Anderson - Will be done before the owner moves in on 12.
  10. Demonstration manuals become necessary for final acceptance.
  11. Stair hardware. Roettger - The hardware supplier states that the shipment of this material will be during the week of December 23rd. Mellum - The delivery status of this determines the fire management.
  12. Stair 'G' should be installed. Roettger - We are installing today until we hit problems.
338. Roettger - The first floor corridor ceiling will not be here and installed by turn over time. Can we change the schedule? It will not be here until around December 16. Kogl - Leave the corridor closed until it is complete.
339. Kogl - The systems need to be complete and in working order when we move personnel in.
340. Fallon - The hardware schedule from Straughan is final; can we get documentation for the changes from the specifications?
- Carlson - You should get approved copies of the hardware schedule from Mr. Scott.
341. Fallon - For project close out we need the subcontractor list showing subs of subs also.
- Hughes - We need to add to this now. Show what information is missing and we will get it filled in.
- Roettger - The insulating panels on Unit 'A' air shaft are being installed now.
343. ✓ Hastert - We need a full set of as-builts from O'Brien to give to the balancing contractor.
- Anderson - You <sup>WILL</sup> have these ~~now~~.

## Plumbing

- 1.) Rough-in GLASS waste, vent, + water mezz. west.
- 2.) Rough-in GLASS waste, vent, + water 1<sup>st</sup> Fl. west.
- 3.) Plumbing Fixtures on 8<sup>th</sup> Floor.
- 4.) Punch Lists on 12, 11, + 7.
- 5.) install water main on mod. #55.
- 6.) Medical GAS outlets on 3<sup>rd</sup> Floor.
- 7.) SCRUBBING Fixtures + install seats on 9<sup>th</sup> Floor.
- 8.) Complete outside site work as needed.

## Heating

- 1.) Start-up on chillers + cooling towers
- 2.) Heat Recovery systems on 15<sup>th</sup> Floor.
- 3.) Punch Lists on 12 + 11.
- 4.) Mod. #94 on 10<sup>th</sup> Floor.
- 5.) check out re-heat system and radiation.
- 6.) Basement Equipment Room.
- 7.) start-up on all chilled water + condenser water pumps in basement.

## Sprinkler Fitter

- 1.) Punch Lists on 12 + 11.
- 2.) Finish heads on 3<sup>rd</sup> Floor.
- 3.) waiting to activate Heads on 12, 11, + 7.

## Sheet metal

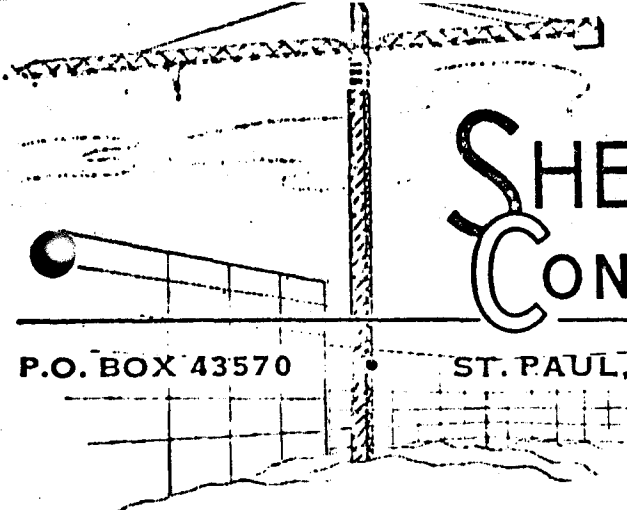
- 1.) Punch Lists on 12, 11, + 7.
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- 6.) Mod. # 94 on 10<sup>th</sup> Floor.

## Pipe Covering

- 1.) Mod. # 55 - 1<sup>st</sup> Fl. Corridors
- 2.) 3<sup>rd</sup> Fl. in wall work.
- 3.) Mezz. west, in wall work.
- 4.) Equipment Rooms on 15 + 10.
- 5.) Punch Lists on 12, 11, + 7.
- 6.) Touch-up above ceilings on 9 + 8.

NO.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
51-P	Floor sleeves to alleviate spilled or over-flow liquid migration between floors	General Electrical Mechanical	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	General & Elec. T & M





**SHEEHY  
CONSTRUCTION COMPANY**

\* Review notes  
re: Mod. 125  
for enclosure at sump

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 92 - 11/17/77

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 Settle	Alpana

\* Not Present

CORRECTIONS

328. ✓ Hendricks: The owner will place the deck and pour the concrete on the six roof cores. The general contractor will not be involved. (will be a memo.)
343. ✓ Hastert: The as-built have not been given to us yet from O'Brien.

REVIEW

267. ✓ Fick: Following this meeting we will have a meeting here among those concerned with Alpana concerning the method of installation of their covering material on the Mayo Link and also concerning the windows.

297. ✓ Lang: The 12th floor ceiling pads are finished today.

Green: We will inspect this promptly then.

Roettger: We will be going to the 11th floor next and the owner will have to give directions as to the areas he has completed his inspection in so as to cause no delay.

317. ✓ Fick: I have the DOW Chemical specifications now which show that the compressive strength of the styrofoam SM is 25 psi rather than 40 psi which has previously been reported at these meetings. Since Mr. Kogl is not here today, I am giving this to Oliver Hughes to give to Gene Kogl.

Carlson: In the DOW catalogue I examined the compressive strength was shown as 40 psi.

Roettger: We have Twin City Testing working up a report on the black top pavement on West Delaware now because Braun Engineering would not do that.

Fick: In the minutes of November 3, 1977, Gene Kogl stated that the paving was not acceptable to begin with. What was wrong with it?

Hughes: The paving did not meet the gutter line in certain places, mainly poor workmanship. Compare with East Delaware where the workmanship was very good.

330. ✓ Hendricks: Westinghouse thinks they will be finished this week on elevator number 11. When will the mod. work be completed?

Roettger: We are working on completion now.

McCormick: I told Honeywell to move the thermostat which is buried in the plaster on the 12th floor.

333. ✓ Roettger: We are rotating 10 or 12 light bollards on the plaza areas in order to get the lights shown in the direction as indicated on the architectural drawings.

334. ✓ Fick: It is my understanding we are to leave the 3 planters open; and when will we get written direction on this?

Hughes: Yes, I just got our letter on this this morning and will see to it that

334. ✓ - Continued

you get written direction promptly. Since the weather is closing in on us what are the feelings concerning establishment of a traffic pattern if the brick paver work has to be shut down till spring.

Hendricks: We will need the Unit A entrance and Phase II staging area. Can you finish the wheel chair ramp on Delaware Street?

Arrigoni: We will try to complete this.

335. ✓ The drawings indicate that the South wall of room B-106 is to go to the structure above and we were directed by the owner's inspection people to install the block to that height. It is now necessary to open up some of these areas to let heat into the area south of the wall.

Carlson: The wall is indicated on the structural drawing.

Greene: I have a letter to Gene Kogl on this with my recommendations.

336. ✓ Hughes: S-11 is running but not completed, we had a meeting with Culligan on this to determine how S-11 ties into the basement area which is scheduled for completion December 5.

Culligan: We are going over this now.

337. ✓ Hughes: All items on the list are critical. The planning office needs all systems working by January 10 so they can schedule and perform necessary work before occupancy. When the items are substantially complete ( ~~and this includes pipe covering~~ <sup>delete</sup> ) we will perform our inspections. There needs to be more effort by everyone on punch list items.

Hastert: We have had meetings on all of these items, if the contractors run into problems they should bring them up to us immediately and not wait for the next meeting.

Anderson: The owner will have a short time to get familiar with the building.

Mellum: We need control on the systems now. At present they are running wild. We also need the emergency generator.

Sievers: Honeywell did not agree to these dates but we will try to get the systems ready as directed.

Pella: Work is not being completed in any one area. We will be faced with many areas to punch out at once.

Roettger: I will check on stair G. The window modification work has proceeded and can be taken care of by the re-punch.

NEW BUSINESS

344. ✓ Mellum: We need electrical work complete on floor 11 and 12 so that we can inspect them before the University electricians get in there. *regarding the new*



334. - Continued

you get written direction promptly. Since the weather is closing in on us what are the feelings concerning establishment of a traffic pattern if the brick paver work has to be shut down till spring.

Hendricks: We will need the Unit A entrance and Phase II staging area. Can you finish the wheel chair ramp on Delaware Street?

Arrigoni: We will try to complete this.

335. The drawings indicate that the South wall of room B-106 is to go to the structure above and we were directed by the owner's inspection people to install the block to that height. It is now necessary to open up some of these areas to let heat into the area south of the wall.

Carlson: The wall is indicated on the structural drawing.

Greene: I have a letter to Gene Kogl on this with my recommendations.

336. Hughes: S-11 is running but not completed, we had a meeting with Culligan on this to determine how S-11 ties into the basement area which is scheduled for completion December 5.

Culligan: We are going over this now.

337. Hughes: All items on the list are critical. The planning office needs all systems working by January 10 so they can schedule and perform necessary work before occupancy. When the items are substantially complete ( and this includes pipe covering) we will perform our inspections. There needs to be more effort by everyone on punch list items.

Hastert: We have had meetings on all of these items, if the contractors run into problems they should bring them up to us immediately and not wait for the next meeting.

Anderson: The owner will have a short time to get familiar with the building.

Mellum: We need control on the systems now. At present they are running wild. We also need the emergency generator.

Sievers: Honeywell did not agree to these dates but we will try to get the systems ready as directed.

Pella: Work is not being completed in any one area. We will be faced with many areas to punch out at once.

Roettger: I will check on stair G. The window modification work has proceeded and can be taken care of by the re-punch.

NEW BUSINESS

344. Mellum: We need electrical work complete on floor 11 and 12 so that we can inspect them before the University electricians get in there.

344. ✓ - Continued

Culligan: We cannot finish all areas at once.

345. ✓ Hendricks: Can we have sump pump protection for Mod. 125?

Whelan: I will check and if it is required by the mod. we will do it right away.

Hendricks: Will you also please check on the locks from unit A to B.

346. ✓ Roettger: Due to the deflection in the girders for the Mayo Link the question arises whether the coverings should follow the steel or be shimmed. Interstate Erectors so far have performed shimming.

Carlson: It will be necessary to start and follow this work with the steel. The radiation and hand rail will be a problem if we do not. I also worry about the visual effects. Settlement is unknown when the glass is in. I talked this over with Jack Larson and we believe that a 7/8" deflection is acceptable. We will expect more deflection when the skin and glass are installed. Be sure to use dark caulking to match the skin.

SHEEHY WORK SCHEDULE

\* BEHIND SCHEDULE

UOT M. REINSPECTION & CEIL - BD 12TH  
 \* L. PRE - RADIOLOGY \* L. CORR. 92 - PP  
 \* O.B. PRE - SUNDAY - TURM. \* P. MOD. 113. REJECTED (129-P)  
 \* P. TAPE & DRYWALL 1ST FL \* PRE. DEMO AREA DIFNL  
 WED. 11-23-77

P. METAL CEIL. 2ND S. DOORS - BSMT.  
 S. POUR - RAMP. SO. SIDE UOT M. PUNCH OUT - 15TH  
 S. POUR WALLS. TODD \* P. PLASTER O.R.  
 THUR. 11-24-77

HAPPY THANKSGIVING DAY (THE TURKEY'S) DAY

FRI 11-25-77

JN. FIN. DRS. BSMT. P. CEIL TURMS  
 LSI. REC. AREAS NK. CERAMIC  
 E+S. PIPECOVER. MECH AREA P. TAPE PROJ INC.  
 MON 11-28-77

UOT M. REINSPECTION & CEIL & BD - 11TH SP. EXP JTS.  
 S. AUDITORIUM. INS. CLOTH. WIRE CAR UOT M. PUNCH OUT 13TH  
 S. HOWE. BSMT S. COMP PUNCH LIST 14TH  
 TUES 11-29-77 UOT M. TEST RADIOLOGY

S. AUDITORIUM SEATS. P. TAPE TURMS  
 A.J. TODD HALL S. HOWE. 6-5-4-2-1-B  
 P. DRYWALL 3RD FL JN. PIPE PAINTING & STENCIL  
 WED 11-30-77 P. CEIL 1ST CORR 75

SAW. RR. TODD P. DRYWALL RADIOLOGY  
 P. CEIL BD 9TH HAM. CASEWORK  
 THUR 12-1-77

P. TAPE 3RD FL H.H. REC AREAS COMPLETED  
 S. BL. COMPL 1ST WEST

FRI 12-2-77

ALPANA - LINK TO MAYO H.H. FIRE EXT DOORS  
 CLEAN UP DAY S. BL. MEZZ WEST

MON 12-5-77

UOT M. PUNCH 9TH E+S. COMPLETE CHAMBER INCL

TUES 12-6-77

## Plumbing

- 1.) Rough-in GLASS waste, vent, + water mezz. west.
- 2.) Rough-in GLASS waste, vent, + water 1<sup>st</sup> Fl. west.
- 3.) Plumbing Fixtures on 8<sup>th</sup> Floor.
- 4.) Punch Lists on 12, 11, + 7.
- 5.) install water main on mod. #55.
- 6.) Medical GAS outlets on 3<sup>rd</sup> Floor.
- 7.) SCRUBBING Fixtures + install seats on 9<sup>th</sup> Floor.
- 8.) Complete outside site work as needed.

## Heating

- 1.) Start-up on chillers + cooling towers
- 2.) Heat Recovery systems on 15<sup>th</sup> Floor.
- 3.) Punch Lists on 12 + 11.
- 4.) Mod. #94 on 10<sup>th</sup> Floor.
- 5.) check out re-heat system and radiation.
- 6.) Basement Equipment Room.
- 7.) Start-up on All chilled water + Condenser water pumps in Basement.

## Sprinkler Fitter

- 1.) Punch Lists on 12 + 11.
- 2.) Finish heads on 3<sup>rd</sup> Floor.
- 3.) Waiting to activate Heads on 12, 11, + 7.

## Sheet metal

- 1.) Punch Lists on 12, 11, & 7.
- 2.) Finish work on 9 & 8.
- 3.) Finish up all work in Auditorium.
- 4.) Install metal in 2<sup>nd</sup> Floor Corridors.
- 5.) Basement equipment Rooms.
- 6.) Mod. # 94 on 10<sup>B</sup> Floor.

## Pipe Covering

- 1.) Mod. # 55 - 1<sup>st</sup> Fl. Corridors
- 2.) 3<sup>rd</sup> Fl. in wall work.
- 3.) Mezz. west, in wall work.
- 4.) Equipment Rooms on 15 & 10.
- 5.) Punch Lists on 12, 11, & 7.
- 6.) Touch-up ABOVE ceilings on 9 & 8.



UNIVERSITY OF MINNESOTA  
TWIN CITIES

Unit B/C Construction Office  
Health Sciences Expansion  
611 Delaware Street S.E.  
Minneapolis, Minnesota 55414

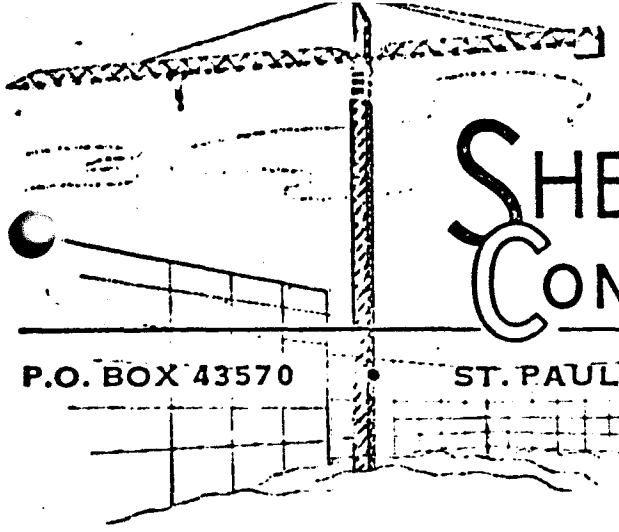
DECEMBER 1, 1977

THE FOLLOWING MODIFICATIONS ON THE ATTACHED SHEETS ARE NOT FINALIZED  
FOR ONE OF SEVERAL REASONS. THIS IS AS OF DECEMBER 1, 1977.

O.D.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
51-P	Floor sleeves to alleviate spilled or over-flow liquid migration between floors	General Electrical Mechanical	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	General & Elec. T & M

A.O.D.	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	General to quote
174-E	Accomodate MTS System - new slab opening	General	9/30/77	Processing
176-E	Route & add valves to high pressure steam	Mechanical	11/77	Mechanical to quote
177-E	Add 3/4" globe type bypass around high pressure steam valves	Mechanical	11/77	Mechanical to quote
183-E	Provide additional pipe supports	Mechanical	11/77	H.S.A.E./U.M. Eval.
186-A	Ceiling revisions to accomodate mechanical and electrical fixtures	General	11/77	General T & M
187-E	Install a new Elkhart No. 745 four-way sq. flush type wall	Mechanical	11/77	Mechanical to quote
189-E	Revisions to R.F. Shielded rooms	General Mechanical	11/7/77	Contractors to quote
190-A	Furnish & install service panels to accomodate fire speakers in basement corridor	General	11/77	General to quote





# SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 93 - 12/1/77

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

\* Not Present

CORRECTIONS:

328. Kogl - Change this to read the general contractor will now be involved in installing this work.
317. Hughes - Regarding my comment install the words "for example" at the beginning of what I said and at the conclusion of what I said add the words "in this respect".
337. Hughes - Delete (and this includes pipe covering).
344. Culligan - This should refer to the electrical cores on floors 11 and 12.

REVIEW:

330. Roettger - At elevator #11 we are performing painting, floor tile, and ceiling work now.  
Greene - Westinghouse is complete except for minor adjusting.
337. Kogl - Sievers stated that Honeywell did not agree with the dates shown. They should still make an effort to be in step and they have the responsibility to keep up.  
Hughes - We had a meeting on systems and this was discussed - we will bring this up later.
267. Kujawa - What is being done with the West Plaza and the Mayo Link?  
Roettger - Work on the Link is proceeding. It is our understanding that some of the unfinished work in the Plaza will be credited to the owner and the work may be put in Phase II. We could put a temporary type of fill in any areas which required it.  
Hughes - We will need a quick answer because of the staging area required for Phase II.  
Kogl - We can talk about this later and decide what to do after more study.
345. Carlson - In Mod. 125 we did not include any requirement for sump pump protection since we were not requested to.  
Hendricks - The valve and switch need to be protected from the public. The 11th floor locks from A to B are still backwards.  
Roettger - We will lock from C to B from now on.
346. Fick - Erection of the Mayo Link is continuing and the erectors are following the steel as instructed by Dick Carlson despite the fact that the deflection of the main beams is 7/8 of an inch low in the center.  
Kogl - Was there any camber on these beams?  
Carlson - Yes, but it went out when we poured the concrete.

Roettger - There is a problem with the handrail bracket on the link between Alpana and the Brandt-Airflex shop drawings.

Carlson - I will check this out.

NEW BUSINESS:

347. Roettger - It is important that all contractors complete work when they say they will so that when we complete the ceiling installation there will be a minimum of tile removal. We need the inspection of the ceilings to take place as soon as the pads are installed. Roger Joyce and Ray Anderson have copies of the dates showing when the ceiling pads are to be installed. When disputes arise, it is necessary that they be settled at once.

Greene - On the 9th floor we need the pipe identification marks.

Hughes - All primes must be together as to when to inspect, then the University Superintendent will meet with the prime to get the inspection done.

Kogl - The University Inspectors must respond to the prime contractors wishes on coordination of inspections and work scheduling. Keep your schedules up dated and to us. Sheehy is to set the schedule and the University personnel are to enforce it.

Bellair - I have written to the University on work which we have done in the respect that if anything is done wrong the University should condemn it and have us remove it according to the specifications. So far we have nothing back on this.

Kogl - Have we items now which pertain to what Bellair has just said?

Mellum - Yes, memos have been sent to Premier on work in the basement.

Bellair - We have some memos but there are still disputes.

348. Culligan - When can you cut the trench for the underfloor electrical duct which did not show on the architectural plans?

Roettger - As soon as you do the layout.

Fallon - Make sure to fire proof from below.

349. Magnuson - We hope to have the machine up in the top of elevator #1 today. We need temporary lights in elevator #1 machine room and permanent in if possible in both. We need the power in elevator #1 in two weeks. The entrances should be shipped today.

350. Hastert - Joe McCormick is in Mount Sinai Hospital and as a result we need the cooperation of the contractors to minimize or avoid repeating punch list items on floor to floor.

351. Hughes - When will Mosler be able to complete work? Need dates for completion of casework.

Roettger - I will get the schedule to you tomorrow.

352. Swanson - As the owner takes over occupation, he will use the elevator in the 'A' Building.

Culligan - Can we use elevator #6 to place fixtures?

Magnuson - Yes, see our people.

353. Hughes - We had a meeting on systems, I think we have answers on all problems. I will make copies and send to all contractors. All systems must be done by December 26th.

Culligan - Air chambers are a problem but I think we can better dates.

Mellum - Some electrical equipment is hooked up by Premier but not controlled.

Kogl - Set up a meeting so we can get all systems controlled.

354. Swanson - Materials cannot be stored in the Mayo Garage because the area must be left open for parking.

Roettger - We tried to adhere to that but an equipment breakdown caused those problems recently.

355. Culligan - Installing the permanent lights in the mechanical areas will be one of the last things we do on the job.

Mellum - In that case we will need more and better temporary lighting so that we can perform the maintenance required.

356. Thesenvitz - When we plaster the corridor in the Mayo Garage per Mod. 111 we will have the emergency entrance blocked off.

Kujawa - Set a schedule showing how long and so forth and we will work out.

357. Mellum - Tests have been made on all three RF Shielded Rooms but I still fear that the test for room 1-215 may not pass.

Fick - I will contact Ray Proof to make sure that they know that.

358. Hendricks - What is the status of the first floor corridor?

Roettger - The ceiling material is in town now. We will be pouring the roof of the tunnel and the finish area in Todd Hall - hopefully this will stop the water leak.

359. Hendricks - We need better control of the 7th floor punch work. Somebody had the doors blocked open.

360. Hastert - I request that Carlson check the piping in the corridor 2nd floor Diehl Hall.

Carlson - I will investigate and get back to you.

# SHEEHY WORK SCHEDULE

\* - BEHIND SCHEDULE

\* LSI - SHELVES + CABINETS - BSMT.

\* OB CORR 92 - 2ND FL ??

\* P - TAPE BSMT T.U.

\* JN. PRINT. " T.U.

\* PRE - 1-192. ELEC 1<sup>st</sup> FL - CSWK

\* PRE - LITES BSMT UNIT #1 #3

\* L - YOUR PUNCH OUTS?

WED. 11-30-77

LSI - PANELS - B-123

L - EXTRS. BSMT.

J.N. FIN WALLS BSMT.

P. CEIL TILE BSMT. GLUON

JN. STENCIL - MACH. BSMT.

A.S. UAT. BSMT.

THUR. 12-1-77

S. AIR CH. GROUT BSMT.

HAM. CSWK BSMT.

SFP JOHN P - DRYWALL. 9-135 INT+EXT

SPJ. W/S. DOORS AIR CH. BSMT

OB. INSTALL HAM. HOOD. 3RD FL

A.J. TODD TUNNEL

FRI 12-2-77

HOFFER - GLASS BSMT.

P - TAPE

L - 1ST FL PLUMB

P. MET CEIL 2ND FL COMP.

P. PLASTER O.R.

SPJ. R.R. TODD - PRECAST.

MON 12-5-77

OWNER - MOVE IN

AL. WOODS REPAIR

⊗ OPEN HOUSE 11TH ??

P. PLASTER RADIOLOGY

S. AUDITORIUM SEATS

S. POUR TODD

TUES 12-6-77

LSI. CSWK. 1-2

UOF M. PUNCH OUT 11TH

S - HDWE 1ST FL

P - CEIL. RADS. 9TH

LSI. FIRE FRT CAB DRS. ?

S. HANG ALL MTL. DRS.

WED 12-7-77

S - AUDI. CLATH SC. OAK

S - HDWE, 2ND FL

L - BSMT EQUIP COMP ?

PRE. SYSTEMS BSMT. ?

THUR 12-8-77

UOF M. PUNCH OUTS ?

FRI 12-9-77

ALP - LINK TO MAYO

CLEAN UP DAY

MON 12-12-77

TUES 12-13-77

## PLUMBING

- 1.) PLUMBING Fixtures on the 6<sup>th</sup> Floor.
- 2.) Punch Lists on 14, 13, 12, 11, + 9.
- 3.) PLUMBING Fixtures Complete on 8<sup>th</sup> Floor.
- 4.) Rough-in Complete on Mezz. west.
- 5.) Rough-in Complete on 1<sup>st</sup> FL. west.
- 6.) PLUMBING Fixtures in Basement.
- 7.) VALVE TAGS + PIPE IDENT.

## HEATING

- 1.) Finish trim on 15<sup>th</sup> Floor Heat recovery
- 2.) Punch List on 14, 13, 12, 11, + 9.
- 3.) Equipment Room in Basement.
- 4.) Mod. # 94 on 10<sup>th</sup> FL. Complete.
- 5.) Radiation system complete.
- 6.) Re-heat system complete.
- 7.) chilled water system 99% complete includ-  
chilled + cooling towers.

## SPRINKLER FITTERS

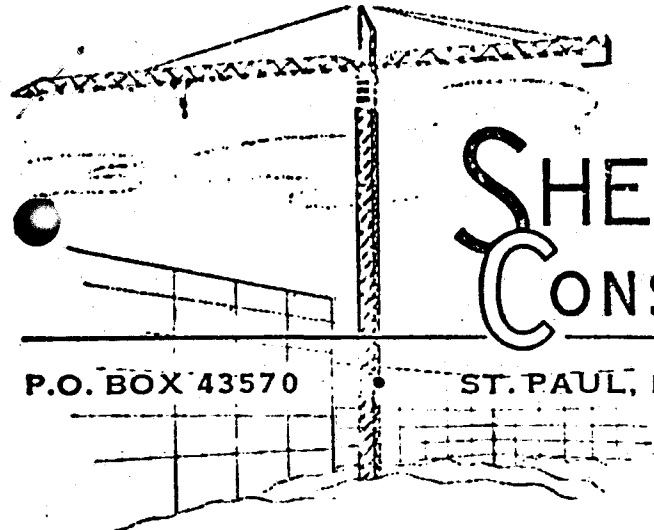
- 1.) Punch list on 14, 13, 12, 11, + 9.
- 2.) Bolting down Fire Pump.
- 3.) Finish heads on 3<sup>rd</sup> Floor.
- 4.) Finish work in Basement
- 5.) Finish work on 2<sup>nd</sup> FL. Cora. + Auditorium.

## Sheet Metal

- 1.) Exhaust Fans for Elec. Cores.
- 2.) Punch List for 14, 13, 12, 11, & 9.
- 3.) Auditorium Complete.
- 4.) Basement equipment Rooms.
- 5.) Get Ready for Punch out on 8<sup>th</sup> Floor.
- 6.) Mod. # 94 on 11 & 10 Complete.
- 7.) Finish on 15<sup>th</sup> Fl. Equip. Room.
- 8.) Unit 5-3c Ready for Base. occupancy.

## Pipe Covering

- 1.) 3<sup>rd</sup> Floor Pipe Covering
- 2.) Equipment Rooms on 10<sup>th</sup> & 15<sup>th</sup> Floors.
- 3.) Mezz. west & 1<sup>st</sup> Fl. west.
- 4.) Basement Equipment Rooms.
- 5.) Punch Lists on 14, 13, 12, 11, & 9.
- 6.) 2<sup>nd</sup> Floor Corridor.



# SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 94 - 12/8/77

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
Gordon Lindholm	U of M

\* Not Present



CORRECTIONS:

✓267. ✓Roettger - The user may possibly be able to have the pedestrian walkway available from Diehl Hall to Mayo by the end of next week. → *PLEASE DO THE MOD. IN THE NEXT PART OF THE*

✓Kogl - In the area used for storage of Phase II materials the University will store paver brick so as not to interrupt the Phase II contractor. Dick Carlson can prepare the Modification for this West Plaza Area with the direction from Hughes.

*← (PLANTERS)*

REVIEW:

✓330. Roettger - At elevator #11 we are working on painting, carpeting, and floor tile.

Carlson - We are requesting shop drawings on the new entrances from Westinghouse.

✓337. Sievers - I had no impact on the dates given but we do realize that we have to keep up with them.

✓346. Fick - At the last meeting Green made the statement that the 7/8" deflection referred to was the anticipated maximum by HSAE after all of the dead load was applied. This is incorrect as the 7/8" deflection already occurred and whether or not more deflection will occur with the additional dead load being applied remains to be seen. The point is that the steel erectors did their work following the existing steel without shimming which was the method they were instructed to follow by Dick Carlson.

Carlson - I will meet with Roettger today on the steel bracket problem he brought up last week.

\*347. ✓Hughes - The ceiling tile in the basement is a problem due to delivery. The main TV studio is done. The rest of the tile will not be in until January 15th. We will have to work around the University personnel using the area.

*(The ceiling tile system should be ready) OK {4 days to install. 1/2 day to clean up tile. 1/2 day to install}*

✓Kogl - Our superintendents tell contractors items that are wrong but we get no response as far as correcting these items is concerned.

✓Culligan - We wrote letters on all items in dispute in the basement. We tried to correct the cable tray but there is no way to put the tray where it is called for.

✓349. Carlson - Elevator #1 will be for the use of the Phase II contractor. We need to establish a date when it will be completed. *(DATE 8 END OF FEB. 78)*

✓351. Hughes - Mosler anticipates no problem if the normal work schedule is followed.

Roettger - We are working on areas which affect them and trying to help.

✓356. Whalen - We are laying concrete block for Mod. 111 today and Poppenberger will follow us. Interruptions will be intermittent as plastering and masonry work progress.

✓ 357. Mellum - In the Shielded Rooms room number 1-215 now tests okay and room 1-214 shows that it might not pass.

Fick - After last weeks meeting I immediately notified Ray Proof out East of the conditions we were undergoing so far as the tests pertaining to these three rooms go so that they are aware of it. We have a letter from them authorizing Roettger to cover up the walls and that is what we are doing but we will be testing as we go.

\* 358. Roettger - In the first floor corridor the ceiling grid has been started and the electrical and mechanical will follow. It is anticipated that we will be through December 23rd, the mechanical December 20th, and the electrical December 30th. *dates good. (elec-grid & till 12/30 & all the finished)*

✓ 360. Carlson - I checked over the piping in the corridor second floor Diehl Hall and talked it over with Steve Greene as to how best to proceed. Perhaps the pipe can be chased into the stairway.

Anderson - We must be final as to how we do this as this involves the shut down of the University buildings.

NEW BUSINESS:

✓ 361. Anderson - I wrote a letter concerning the installation of physical protection for a water main in the Mayo Garage. There will be a lake in the garage if a car breaks this pipe.

Lindholm - At Gene Kogl's request I will see to it that this work gets done.

Roettger - We have damaged block walls in the Mod. 111 area due to cars scrapping against the block.

✓ 362. Hughes - The balancing contractor is willing to cooperation in any way with the contractors on getting the air handling systems operating.

✓ 363. Fallon - We need subcontractors supply list in order to tie them into the Phase II work.

Hughes - You will have to get these from each prime contractor.

✓ 364. Hastert - Christmas time is a low use time in the Hospital so it is wise to try to schedule outages at this time.

Lindholm - We need a schedule of work to be done in existing buildings.

Anderson - Do you want the sprinkler system turned on in the first floor?

Kogl - Yes, when we occupy the basement I request that Honeywell set up a training period for maintenance personnel.

Sievers - We will turn over the manuals next week and schedule training for the week after that.

## Plumbing

- 1.) Plumbing Fixtures on the 6<sup>th</sup> Floor.
- 2.) Punch Lists on 14, 13, 12, 11, + 9.
- 3.) Plumbing Fixtures Complete on 8<sup>th</sup> Floor.
- 4.) Rough-in Complete on Mezz. west.
- 5.) Rough-in Complete on 1<sup>st</sup> Fl. west.
- 6.) Plumbing Fixtures in Basement.
- 7.) VALVE TAGS + PIPE IDENT.

## Heating

- 1.) Finish trim on 15<sup>th</sup> Floor Heat recovery
- 2.) Punch List on 14, 13, 12, 11, + 9.
- 3.) Equipment Room in Basement.
- 4.) Mod. # 94 on 10<sup>th</sup> FL. Complete.
- 5.) Radiation system complete.
- 6.) Re-heat system complete.
- 7.) chilled water system 99% complete includ-  
chillers + cooling towers.

## SPRINKLER FITTER

- 1.) Punch List on 14, 13, 12, 11, + 9.
- 2.) Bolting down Fire Pump.
- 3.) Finish heads on 3<sup>rd</sup> Floor.
- 4.) Finish work in Basement
- 5.) Finish work on 2<sup>nd</sup> Fl. Corr. + Auditorium.

## Sheet Metal

- 1.) Exhaust Fans For Elec. Cores.
- 2.) Punch List For 14, 13, 12, 11, & 9.
- 3.) Auditorium Complete.
- 4.) Basement equipment Rooms.
- 5.) Get Ready For Punch out on 8<sup>th</sup> Floor.
- 6.) Mod. # 94 on 11 & 10 Complete.
- 7.) Finish on 15<sup>B</sup> Fl. Equip. Room.
- 8.) Unit 5-3C Ready For Base. occupancy.

## Pipe Covering

- 1.) 3<sup>rd</sup> Floor Pipe Covering
- 2.) Equipment Rooms on 10<sup>B</sup> & 15<sup>B</sup> Floors.
- 3.) Mezz. west & 1<sup>st</sup> Fl. west.
- 4.) Basement Equipment Rooms.
- 5.) Punch Lists on 14, 13, 12, 11, & 9.
- 6.) 2<sup>nd</sup> Floor Corridor.

# SHEEHY WORK SCHEDULE

# \* BEHIND SCHEDULE

\* HAM - COMPL. CSWK 11TH  
 \* P - CEIL BSMT. GL ON  
 \* L.O.B - COR. 92 - 2ND FL  
 \* S - HANG ALL MTL DOORS.

\* P - R.F. SHIELDED RMS.  
 \* PRE. FL TRENCH 3RD FL LAY OUT  
 \* L - MOVE AWAY FROM CHMBR AREA  
 \* J.N. - STENCIL PIPE BSMT,  
 \* - L 1ST FL WEST & MEZ 2

WED. 12.7.77

S. A401 SEATS.  
 AL. TURN WOODS  
 PRE - RM 1-192: FLOOR CONDUIT

J.N. STAIR "B"  
 HAM - CSWK BSMT  
 PRE - REC. STATIONS

THUR. 12.8.77

HOFFER - BSMT GL  
 HAM. CSWK 1ST FL  
 SAN - B. ROD - TODD TUN

J.N. FIN WALLS. BSMT.  
 P - REC STATIONS  
 HOFM. PUNCH OUT 11TH LINK

FRI 12.9.77

CLEAN UP DAY  
 P - RF SHIELDED RMS.  
 O'B - HAM HOOD 3RD

J.N. PAINT ALL MTL DOORS.  
 P - COMPLETE O.P.  
 \* A.S. - UAT. BSMT.

MON 12.12.77

S. A401. WALL FIN.  
 P - TAPE RF SHIELD. RMS.  
 P - CEIL CORR 2-92

\* P - PLASTER RADIOLOGY NOW  
 \* SANDER - 1ST FL WEST

TUES 12.13.77

P - CEIL BD. 9TH - START  
 S - HOWE, 2ND FL  
 AS - UAT - 1ST

P - COMPL. MET CEIL - 2ND  
 HOFFE GLASS - B-1-2-4-6

WED 12.14.77

JN - FIN PTG BSMT.  
 SUNRISE - 1ST FL WEST

S - CLEAN. FIN AREA BSMT

THUR 12.15.77

AL - LINK - MAYO  
 HAM - CSWK 2ND

\* AS. WAX BSMT FLRS

FRI 12.16.77

ALL - COMPLETE BSMT.  
 LSI - FIRE EXT CAB COMP.

CLEAN UP DAY

MON 12.19.77

U - OCCUPY BSMT ART  
 AS - UAT. 2ND

P - LATH 1ST FL WEST

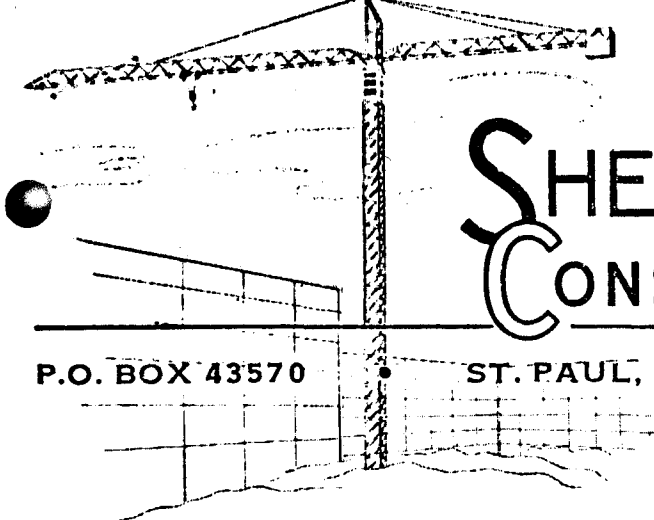
TUES 12.20.77

O.D.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
51-P	Floor sleeves to alleviate spilled or over-flow liquid migration between floors	General Electrical Mechanical	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	General & Elec. T & M

A.O.D.	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	General to quote
176-E	Route & add valves to high pressure steam	Mechanical	11/77	Mechanical to quote
177-E	Add 3/4" globe type by-pass around high pressure steam valves	Mechanical	11/77	Mechanical to quote
183-E	Provide additional pipe supports	Mechanical	10/19/77	Contractor to sign
186-A	Ceiling revisions to accomodate mechanical and electrical fixtures	General	11/11/77	General T & M
187-E	Install a new Elkhart No. 745- fourway sq. flush type wall	Mechanical	11/17/77	Mech. to quote
189-E	Revisions to R.F. shielded rooms	General Mechanical	11/7/77	Contractors to quote
191-E	Furr wall to accomodate existing piping & conduit in Room 1-354	General	12/2/77	General to quote
192-P	Revise height of 9" x 3'0" plas. lam. shelf as shown in detail 17/13-11	General	12/2/77	General to quote
193-E	Provide fuel shut off on day tank	Mechanical	12/2/77	Mechanical to quote
195-A	Required coordination revisions to Fire management system	Electrical	12/77	Elec. to sign
196-E	Revise paint schedule for 9-145 from blue to off white for walls and ceiling	General	12/2/77	General to quote







# SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C #95 December 15, 1977

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
<b>██████████</b>	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	

December 15, 1977

Page One

Review

✓347. Culligan: The cable tray and Buss duct are installed per the shop drawings we submitted: The cable tray was positioned in the only place it could go.

Swanson: Is the January 15 delivery date still good? There is a meeting on Friday to set up the occupancy date. Are you going to have the 12" glue-on tile? How long will the installation take?

Lang: The January 15 date should be O K. We will install the tile as soon as it gets here and the installation will take about 4 days.

Kogl: Is dust going to be a problem?

Greene: Everything will have to be covered.

Culligan: We have about ½ day work after the ceiling board is installed.

✓330. Roettger: In unit A there is a sprinkler head which is in the way and will have to be moved. The work is within the construction limits of the B/C project.

Hastert: We will see to it that it is taken care of.

✓346. Carlson: We looked at the steel bracket problem on the Mayo link and we feel this is a matter which should be coordinated between Alpana and Brandt-Airflex.

Roettger: The Brandt-Airflex shop drawings were approved by you showing the brackets installed at 6'-2" on center and the Alpana shop drawings were approved by you showing the brackets installed at 3'-1" on center. Obviously then, this is a problem which HSAE contributed to and, therefore, they should be involved in a feasible solution.

JAN 22 1978  
DATE  
✓349. Roettger: Westinghouse has some parts missing for elevator No. 1 and their foreman said that he would have about 1 month's work after the parts arrived. He said these parts will not be shipped for about one more month.

Culligan: If Westinghouse needs power for elevator #1 within 1½ weeks, let us know and we will start sooner.

✓360. Fick: The matter of the piping to be relocated in the corridor at the second floor of Diehl Hall is holding up work and needs a decision. It is a matter between the owner and his mechanical contractor and does not involve us except that it is delaying the job. We request that Anderson and Hughes get it resolved.

✓357. Roettger: We just received the brass screws for the RF Shielded rooms so the work with them can proceed again now.

December 15, 1977

Page Two

- ✓358. Swanson: When can we have the 1st floor corridor from units A to KE?

Roettger: Unfortunately we have a problem with the delivery of the ceiling materials. All of the necessary LOK materials are not here yet and apparently the owner will have to use the corridor without a complete ceiling; and our ceiling subcontractor will have to complete the corridor in after-hour work when he receives the material.

Lang: Unfortunately it might be two months yet before we get the rest of the LOK materials.

Culligan: We will start our work in this corridor tomorrow.

- ✓347. Bellaire: We wrote a letter to Gene Kogl on December 5, 1977, concerning the buss duct and cable tray problem. Our position is unchanged.

Kogl: I will get you an answer.

Seivers: The systems should still be ready by December 26, 1977.

NEW BUSINESS

- ✓365. Fick: We should all be thinking about the transition period now for the pending phase II work and how we can ease this transition.

Roettger: The owner should keep in mind that the availability of elevator #1 is 2 months away; and also that the ceiling material delivery for part of Mod. 120 could also be 2 months away.

Swanson: Interface Mods. 98, 154, 120 are all especially significant now.

- ✓366. Anderson: Hayes Contractors would like a set of the phase II drawings and specifications.

Kogl: I believe that it will be possible for us to give Hayes, Premier and Sheehy each one set of the Phase II drawings without charge.

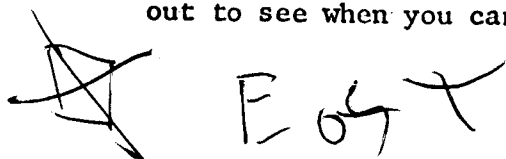
Anderson: We request that we be copied on Honeywell correspondence.

Bellaire: I guess that would be O K.

- ✓367. Bellaire: We want to set up a generator training program. We want to train the people so that the basement can be turned over. Can we plan to set this program up between Christmas and New Years?

Roettger: It had better be done soon; the owner is to occupy on December 19.

Mellum: In my opinion neither Premier nor Honeywell is ready. We will check out to see when you can start the program.

A handwritten signature, possibly 'EOST', with a large, stylized scribble or star-like shape to its left.

✓367 - Continued

Hughes: So far as pipe covering is concerned, Larry of E & S Insulation should come in.

Anderson: He is going to cover and install metal jackets where needed.

✓368. Hastert: We need ~~more~~ maintenance and operation manuals.

Anderson: We have them in the office and will turn them over to you.

✓369. Lang: Is it O K to start installation of ceiling pads in the basement this coming Monday?

Anderson: We should be ready then.

\* BEHIND SCHEDULE

SHEEHY WORK SCHEDULE

- \* L<sup>OB</sup> CORR - 2-92 P
- \* HAM - FUME HOODS 11-12 P
- \* P RF SHIELDED RMS?

- \* JN - PIPE STENCILING?
- \* L - CLEAN - 15-10-B
- \* P - REC AREAS - STATIONS
- \* UOFM - PUNCH OUT 11TH LINK

WED. 12-14-77

- S - CUT FL TRENCH FOR PRE-3RD FL
- JN - STAIR "B"
- SPRIS - COMP 1ST FL WEST
- S - BL - COMP 1ST WEST
- HOF - BSMT GLASS
- S - TEMP WALL TODD 4-8 PM
- S - POUR TODD HALLS

THUR. 12-15-77

- L - COMP BSMT FIN
- HAM - COMP BSMT FIN
- PK - CERAMIC B-1-2
- \* P - STAIR C-D - TAPE
- AS - VAT - BSMT
- S - DEMO TODD - 4-8 PM

FRI 12-16-77

- \* PRE - SYSTEMS BSMT
- A.S. WAX FLS BSMT
- CLEAN UP DAY
- JN - COMP ITG BSMT
- S - BL - TODD HALL WALLS 7 AM
- HOF - GLASS - 1-2 -

MON 12-19-77

- UOFM - TAKE OVER BSMT
- JN - STAIR - D
- P - CEIL BOD 9TH?
- PRE - TODD HALL
- L - TODD HALL
- SANDER - 1ST FL WEST

TUES 12-20-77

- \* P - TAPERS COMP 3RD
- P - PLASTER 3RD CEIL
- LSI - TOPS FOR STATIONS
- P - TODD HALL WALLS 7 AM 4 PM
- P - DRYWALL RF RMS
- JN - PAINT STAIR "B"

WED 12-21-77

- P - CEIL PADS BSMT
- HAM - CSWK - 1ST FL
- JN - PRIME 3RD
- P - PLASTER FIN RADIOLOGY

THUR 12-22-77

- \* HAM - FUME HOODS
- P - LATH 1ST FL W
- JN - PAINT STAIR "D"

FRI 12-23-77

- CLEAN UP DAY
- \* JOHN'S VAC.

TUES ~~MON~~ 12-27-77

MERRY XMAS

FRID

D.D.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
1-P	Floor sleeves to alleviate spilled or over-flow liquid migration between floors	General Electrical Mechanical	9/1/76	Electrical to quote
6-P	Revise provisions for electrically locked unlocked exit devices & electro-magnetic hold	General Electrical	11/10/76	Electrical T & M
2-P	Revise and clarify temporary electrical service installation	Electrical	12/3/76	U of M Evaluate
0-P	Revisions to Electrical specs. & drawings	Electrical	1/10/77	Electrical to requote
6-P	1st floor east power revisions in various rooms	Electrical	1/10/77	T & M
7-P	Revisions - see modifications	Electrical	1/10/77	T & M
8-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
28-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
15-P	All Provisions for intrusion system	General Electrical	8/5/77	General & Elec. T & M

C.D.	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	General to quote
176-E	Route & add valves to high pressure steam	Mechanical	11/77	H.S.A.E. Evaluating
177-E	Add 3/4" globe type by-pass around high pressure steam valves	Mechanical	11/77	H.S.A.E. Evaluating
183-E	Provide additional pipe supports	Mechanical	10/19/77	Processing
186-A	Ceiling revisions to accomodate mechanical and electrical fixtures	General	11/11/77	General T & M
187-E	Install a new Elkhart No. 745- fourway sq. flush type wall	Mechanical	11/17/77	H.S.A.E. Evaluating
189-E	Revisions to R.F. shielded rooms	General Mechanical	11/7/77	General to quote
191-E	Furr wall to accomodate existing piping & conduit in Room 1-354	General	12/2/77	General to quote
192-P	Revise height of 9" x 3'0" plas. lam. shelf as shown in detail 17/13-11	General	12/2/77	General to quote
193-E	Provide fuel shut off on day tank	Mechanical	12/2/77	Mechanical to quote
195-A	Required coordination revisions to Fire management system	Electrical	12/77	Elec. to sign
196-E	Revise paint schedule for 9-145 from blue to off white for walls and ceiling	General	12/2/77	General to quote

A.O.D.

DESCRIPTION

CONTR

DATE  
ISSUED

COMMENTS

197-P

Revise certain features of the reception  
rooms plastic casework on 1,2,3,4, 8 & (

General

12/9/77

General to quote

198-P

Bottle Filling Station, revise & trim  
accessories

General

12/9/77

General to quote





# SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 96 - 12/22/77

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

RECEIVED

DEC 30 1977

UNIV. OF MINN.  
HEALTH SCIENCE  
PLANNING OFFICE

\* Not Present

REVIEW:

346. Fick - Is the problem with the spacing of the handrail brackets on the Mayo Link straightened out yet?

Carlson - Yes, we asked them to cut about one inch off the end of each handrail bracket and then have an aluminum cover with a finish to match by Alpana covering up the bracket

Roettger - This is the method we have been seeking to resolve the problem. Our painting subcontractor will be painting the necessary parts of the Brandt-Airflex radiation installation on the 12th floor so that it will be acceptable.

349. Hughes - Westinghouse plans to have elevator #1 ready for use by January 27, 1978.

Carlson - I do not believe I received a copy of that memo from you showing that and I would like also the date when car #4 will be available for the Phase II work.

347. Roettger - The ceiling tile appears as though it may be coming ahead of the latest schedule shown. Is the owner going to put his equipment in the basement? Also I want to report that the 11th and 12th floors are very dirty again because the University has people working on these floors and creating a mess. We wish that we could lock these floors up to control them.

Swanson - We have equipment to put in the basement. The keying is also ready now.

Hughes - We will punch when the contractors have their work complete.

Hendricks - I need authorization to change the cylinder cores after which I will proceed with it.

Mellum - We need supervisory systems completed.

Joyce - We can turn them on today.

Mellum - They are not completed as far as valve control on the 11th and 12th floors are concerned.

Anderson - The sprinkler system is not turned on yet on the 12th floor. Hayes, Sheehy and Premier can have the repunch on the 11th and 12th floors on Wednesday, Dec. 28th, and the cylinder cores can be changed the next day.

358. Swanson - What is the status of the first floor tunnel?

Joyce - We have at least two weeks work in there so the earliest accessibility date would be three weeks from now.

365. Fick - We want to emphasize that we wish to finish all work in the shell space areas where the Phase II contractors will be working and have them all punched out ahead of time so that we are free of those areas before the Phase II work begins. We ask for the owner's help in accomplishing this.

Hughes - WE rejected the Modified hold opens proposed by Alpana for the windows but since the accepted type of hold open might not be on all the windows in time we will inspect the rest of the areas and let Alpana finish as they receive their 25 degree hold opens.

Swanson - Add Mod. ~~127~~<sup>139</sup> to the list of the interface Mods. shown.

367. Joyce - We will not be able to start the people training program next week because Mellum wants more of a load.

Mellum - January 4th Premier wants to run but no load test at this date. The fuel oil system must be on at this time also.

Anderson - We are working on this now. So far as the exhaust system on the 15th floor is concerned we can correct it with an adjustment.

369. Roettger - We started placing tile in the basement last Monday noon but we hardly got started before tile was being removed again to install copper lines.

Joyce - Poppenberger is installing hold down clips where smoke detectors are located - we must pop them out in order to test.

Mellum - These must be tested every six months.

Greene - In the basement it seemed as though every 50 feet there are ceiling tile which have been removed. Perhaps the hold down clips should be eliminated.

Carlson - It is really only at the walls where we need the compression clips to hold down the tile.

Fick - Many months ago I asked the owner to consider leaving the ceiling pads out and they could be installed by the owner whenever he wanted to later on. Their installation is a relatively easy job and that way there would be no damage to any of the tile. Why was our proposal then not accepted?

Hughes - We will take this matter into consideration again.

Roettger - Whether or not the ceiling pads can be left out for now and installed later by the owner may have some thing to do with the balancing of the system.

NEW BUSINESS:

370. Fick - We recently signed Mod. 198 which was no change in price and modified equipment item S401 - a bottle filling station. This piece of equipment has already been delayed three weeks and we ask for a prompt response from the owner so as to prevent further delay in the shipment of the unit.

371. Anderson - Sun Rise will do necessary work on a time and material basis not to exceed \$100.00 per head for the sprinkler heads which may be in the way on the 'A' Unit on floors 11 and 12.
372. Carlson - I would like a clarification on the tile used in the basement as I recall a butt edge type was specified but a bevel edge came and is being used. I believe there is a letter out now on the block wall which was constructed too high on grid line S46 in the basement on the north side of room 106. It was my understanding that the contractor was going to remove the block which was higher than shown on the plans.

Roettger - Our bricklayer foreman, Mr. Galvin, met with the owner's field office on this and it was agreed that "structure above" does not mean the precast plank at the top of the air chambers. We had a meeting on this with Ollie Hughes and Joe McCormick and it was agreed that we would open up two 4' square openings in the wall to permit heat to go into room 106 and that work we did.

Carlson - The letter is from the mechanical questioning the possibility of freeze ups in room 106.

Fick - On the architectural plan A3-1 there are many blue solid dots on grid line S46 on the wall in question which shows the wall going up full height. Your structural drawings are not in agreement with your architectural drawings so far as the wall in question is concerned.

Hastert - I suggest we put a couple of more holes in the wall in order to ensure more heat going into room 106.

Hughes - Let us monitor the areas with thermometer.

Whalen - We will do this at once.

" H A P P Y   N E W   Y E A R "

# SHEEHY WORK SCHEDULE

\* BEHIND SCHEDULE

- \* HH. TOPS - REC. AREAS - STATIONS.
- \* P. R.F. SHIELDED RMS. P
- \* JN. PIPE STENCIL -
- \* BA. JN. TOUCH UP - START 12TH
- \* PRE. LITE FIXTS. 1ST FL CORR # 95
- \* HH. CAGE WASHER MEZZ
- \* L. O'B. CORR
- \* L. CLEAN 15-10-B.
- \* S. TODD HALL

WED. 12-21-77

- HAM - CSWK - 1ST FL
- \* P. TAPELS - 3RD FL
- P. PLASTER COMP O.R.

- PRE. LT FIXTS - STAIR B
- P. CLEAN STAIR "D"
- P. DRYWALL RF RMS. 1ST

THUR. 12-22-77

- \* HAM - FUME HOODS
- P. LATH - 1ST FL WEST
- JN. PRINT STAIR D

- P. LATH 3RD FL CEIL.
- WHOUSE - SET FRAME - 3RD FL ELEV #1
- S. SEAL. EXP. CONCL FL BSMT.

FRI. 12-23-77

- J.N. - PRIME 3RD FL
- CLEAN UP DAY

- P. CORE BD - 3RD FL ELEV.
- S. BL. MEZZ FL
- AS. VAT + BASE - BSMT.
- \* S. CLOTH. SCRUB. ORK AUDITORIUM.

MON.

HOLIDAY MERRY XMAS.

TUES 12-27-77

- JN. PRINT STAIR "D"
- JN. START BA TOUCH UP ON 12TH
- O'B. SM - TODD TUNNEL

- SANDER - 1ST FL WEST
- S. SOG - TODD HALL
- P. WALL - 2-92

WED 12-28-77

- P. LEAD LATH 3-141.

- P. CEIL 2-92
- CALLING.

4 OF M - PUNCH OUT 9

THUR 12-29-77

- S. NOSINGS STAIR B.

- PRE. LT. FIXTS - STAIR "D"
- P. CEIL - TODD HALL
- S. CLEAN + SEAL 10TH

FRI 12-30-77

- CLEAN UP DAY

MON.

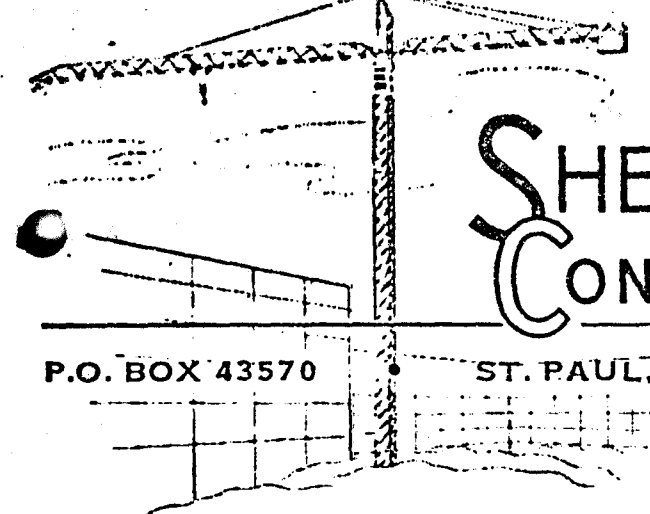
HOLIDAY HAPPY NEW YEAR

MOD.	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
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86-P	1st floor east power revisions in various rooms	Electrical	1/10/77	T & M
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88-P	Refer to Mod. electrical drawing sheet E-24 for revisions	Electrical	1/10/77	T & M
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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	COMMENTS
173-E	Omit full height masonry wall - new 8" concrete wall between these rooms & parallel to Grid E8	General	8/23/77	General to quote
176-E	Route & add valves to high pressure steam	Mechanical	11/77	Rejected
177-E	Add 3/4" globe type by-pass around high pressure steam valves	Mechanical	11/77	H.S.A.E./ U.M. Eval.
183-E	Provide additional pipe supports	Mechanical	10/19/77	Processing
186-A	Ceiling revisions to accomodate mechanical and electrical fixtures	General	11/11/77	General T & M
187-E	Install a new Elkhart No. 745 fourway sq. flush type wall	Mechanical	11/17/77	Contractor to requote
189-E	Revisions to R.F. shielded rooms	General Mechanical	11/7/77	Mechanical to sign
191-E	Furr wall to accomodate existing piping & conduit in Room 1-354	General	12/2/77	H.S.A.E./U.M. Evaluate
193-E	Provide fuel shut off on day tank	Mechanical	12/2/77	Mechanical to quote
195-A	Required coordination revisions to fire management system	Electrical	12/77	processing
196-E	Revise paint schedule for 9-145 from blue to off-white for walls & ceiling	General	12/2/77	H.S.A.E/U.M. Eval.
197-P	Revise certain features of the reception rooms plastic casework on 1,2,3,4, 8 & 9	General	12/9/77	General to quote







# SHEEHY CONSTRUCTION COMPANY

P.O. BOX 43570

ST. PAUL, MINNESOTA 55164

PHONE: 612/488-6691

MINUTES OF JOB MEETING - UNIT B/C # 97 - 12/29/77

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

RECEIVED

JAN 9 1978

UNIV. OF MINN.  
HEALTH SCIENCE  
PLANNING OFFICE

CORRECTIONS:

365. Hughes - The reference to 25 degree hold opens should be changed to 90 degree hold opens.
346. Carlson - Our comment about asking Alpana to cut off one inch of the end of each handrail bracket and so on in order to rectify this problem should be changed to the fact that we agreed to let them pursue this method of modification.

REVIEW:

369. Fick - We are still hopeful that the owner will accept our request to leave the ceiling pads out of certain areas under our contract and let the tile be installed later by the owner as he sees fit.

Hughes - We have ruined a few tile due to the hold down clips.

Hastert - The tile really should be in place in order to properly perform balancing.

Greene - The basement corridor was a rather special area - hopefully we won't have the same type of trouble with the ceiling tile on other floors.

Kogl - We would consider leaving the tile out of small certain areas where we anticipate that type of a problem, but we would not make a general rule of leaving the tile out. It should be remembered that these tile must be taken out as a maintenance item in the future. After the ceiling tile is in place, the responsibility for clean up by the general contractor should basically be over with and our inspection personnel can help to police such areas to determine and establish responsibility for who is creating the mess.

347. Whalen - We changed the date of punching for floors 11 and 12 to January 3rd - hopefully we will have windows corrected before changing cylinders. At present Alpana is planning to start the installation of the 90 degree hold opens on Thursday, January 5.
358. Culligan - In the first floor tunnel you can change the date to 2 weeks rather than 3. At Pat Whalen's request we will install temporary lights where the ceiling grid is not in yet.
370. Carlson - We signed Mod. 198 a week ago and sent it back to the owner for his handling. As usual, the final go ahead must come from the owner not from me.
372. Fick - The reason that our subcontractor is using bevel edge ceiling tile in the basement rather than butt edge type as originally specified is that the Addendum approved the change to bevel edge.

Whalen - In order to monitor the temperature in the area above room 106, we are taking temperature readings which we are turning over to Greene and Fallon.

Greene - We need to wait until all systems are functioning properly in order to get a true picture of what the conditions will be in this area.

Carlson - I will set up a meeting for tomorrow with the general contractor and us concerning the fact that the concrete block on grid line S-46 extends all the way from the precast plank over the air chambers up to the structure above.

NEW BUSINESS:

373. Anderson - The sprinkler system is not activated in the basement yet.

Culligan - We have the heads monitored now.

Mellum - The valves are not monitored yet - we should have all of these systems on for the January 4th demonstration.

Anderson - We are completing Mod. work now so that we can offer the demonstration on the pump.

374. Hastert - We are trying to set up demonstrations of equipment in the basement and on the 10th and 15th floors, but the lighting is so poor we need either the permanent lighting or else more temporary lighting.

Culligan - We will install the permanent lighting if you will accept it.

Mellum - I feel that they should be installed.

375. Kogl - I received a memo on fire management stating that the fire department should be informed of training sessions.

Hendricks - We have contacted them and the first session was scheduled for today, but Honeywell had to cancel.

376. Kogl - I have been asked to decide whether or not the activating mechanism for the two bi-parting doors forming the north entrance to the 'C' building be by light beam or remain the mat activating system as now specified.

Hendricks - On Unit 'A' entrance we recently had the light beam system installed and now that and the mat both activate the entrance.

Kogl - On the Unit 'C' entrance I see no reason why the light beam system cannot be added later if we find that we need it and so for the present we will stay with what was originally specified.

377. Mellum - We need Honeywell complete on the 10th floor.

Culligan - Sievers will be here Tuesday and we will be able to turn the heat on in the basement shortly.

Hastert - Honeywell has questioned the two valves in the shell space as to whether or not they are large enough until the space is occupied.

378. Hendricks - I request that the G.C. check the lintel condition of the West entrance to elevator 11 in Unit 'A' at the basement level because it seems as though there must be some supplementary work done in the form of an addition of a lintel.

379. Hendricks - (in response to a question by Anderson) We have not installed yet the protection to the eight inch water pipe in Mayo Garage.

380. Hughes - We are being asked to take over systems where interface work between two prime contractors is not complete. Before we take over maintenance of this equipment all work must be done.

Hastert - We have had demonstrations of some equipment where electrical and Honeywell were not completed.

# SHEEHY WORK SCHEDULE

\* BEHIND SCHEDULE

- \* HH - TOPS - REC. AREAS - STATIONS.
- \* P - R.F. SHIELDED RMS. P
- \* JN - PIPE STENCIL -
- \* BA - JN - TOUCH UP - START 12TH
- \* PRE - LITE FIXTS. 1ST FL CORR #95
- \* HH - CRGE WASHED MEZZ
- \* L - O'B - CORR
- \* L - CLEAN 15-10-B.
- \* S - TODD HALL

WED. 12-21-77

- HAM - CSWK - 1ST FL
- \* P - TAPERS - 3RD FL
- P - PLASTER COMP OR.

- PRE - LT FIXTS - STAIR B
- P - CLEAN STAIR "D"
- P - DRYWALL RF RMS. 1ST

THUR. 12-22-77

- \* HAM - FUME HOODS
- P - LATH - 1ST FL WEST
- JN - PRINT STAIR D

- P - LATH 3RD FL CEIL.
- WHORF - SET FRAME - 3RD FL ELEV #1
- S - SEAL. EXP. CONCL FL BSMT.

FRI. 12-23-77

- J.N. - PRIME 3RD FL
- CLEAN UP DAY

- P - CORE BD - 3RD FL ELEV.
- S - BL. MEZZ FL
- AS - VAT + BASE - BSMT.
- \* S - CLOTH - SCRUB - ORG AUDITORIUM.

MON.

HOLIDAY ( ) MERRY XMAS.

TUES 12-27-77

- JN - PRINT STAIR "D"
- JN - START BA TOUCH UP ON 12TH
- O'B - SM - TODD TUNNEL

- SANDER - 1ST FL WEST
- S - SOG - TODD HALL
- P - WALL - 2-92

WED 12-28-77

- P - LEAD LATH 3-141.

- P - CEIL 2-92
- CALLING.

40FM - PUNCH OUT 9

THUR 12-29-77

- S - NOSINGS STAIR B.

- PRE - LT. FIXTS - STAIR "D"
- P - CEIL - TODD HALL
- S - CLEAN + SEAL 10TH

FRI. 12-30-77

- CLEAN UP DAY

MON

HOLIDAY ( ) HAPPY NEW YEAR

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	General to quote
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	Contractor to sign
187-E	Install a new Elkhart No. 745 four-way Sq. flush type wall	Mechanical	11/17/77	Contractor to requote
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	H.S.A.E/U.M. Evaluate
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	Contractor to sign
197-P	Revise certain features of the reception rooms plastic casework on 1,2,3,4,8 & 9	General	12/9/77	General to quote
203-E	Modify general contract in accordance with described items (see mod)	General	1/3/78	Contractor to sign
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