



OK * MODS 121, 129, (INTERFACE)
4/15/77
MTG. FRI.
DISCUSS w/PAUL

OK → 10:00 → FRI. APRIL 15, 77
4/15/77
PAUL, BOB,
KUJAWA OR
DICKLER

SHEEHY CONSTRUCTION COMPANY

360 WEST LARPEUR AVE. • ST. PAUL, MINNESOTA 55113 • PHONE: 488-6691

MINUTES JOB MEETING UNIT B/C #60
APRIL 7, 1977

PEOPLE IN ATTENDANCE:

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

* Not Present

MAILING ADDRESS: P.O. BOX 3570 (55165)

CORRECTIONS TO MINUTES:

- ✓37. Hughes - A clarification - Jim Fallon will take the test. This is being taken care of now. (FIRE PROOFING)
41. Hughes - A clarification - All the area south of grid S55, not S36. Once earth shield is removed monitoring will have to be done.
- Culligan - Who will monitor?
- Greene - U. of M. will and give direction as called for in specifications.
- Roettger - What hours are the radiation units operated?
- Kujawa - Generally the units are shut down at night.
- Hughes - On the K & E Building most of the work was done after 4 p.m. We will have a meeting on this.

REVIEW OF MINUTES:

9. Fick - What is status of auditorium seating shop drawings?
- Carlson - These should be ready late today.
- Roettger - Electrical needs layout of seat spacing.
- Culligan - So that there are no boxes behind legs.
31. Fick - This is another reminder to architect and owner that manufacturing schedule of L.S.I. permits no credit to be given for deletion of any of their casework after April 13, 1977.
32. Fick - We need the paint color sample for the exit lite housings.
- Carlson - Housings are to be the same color as the fixture and arrangements have been made for a proper paint sample to be delivered to you.
39. Hughes - Not entirely correct. Some of the switches are shown and seem to be working.
- Carlson - Runs layout has started.
- Roettger - We are holding off now with ceiling in some areas.

✓ Carlson - Power locations are fed from several sources. It will take ~~several~~ Mods. to clean up all of this work.

43. Hendricks - Work is not complete yet but going on now.

NEW BUSINESS:

✓45. Fick - All contractors are cautioned to be careful with the Radiation covers and grilles - this is finished material and must not be damaged. Our subcontractor feels it would be wiser for him to leave the covers off for now.

Roettger - A temporary covering over the radiation would not be practical.

✓46. Fick - The owner still has not supplied us the keying requirements for the metal lockers.

* Fallon - Bob Swanson is getting this for you now.

✓47. Roettger - The West Building is behind but going fairly well now.

✓48. Anderson - We need MTS drwgs. for West Building, as 3 Mods we are trying to price out now are affected by them.

✓ Carlson - We are checking the routes now.

✓ Hughes - Herman Zinter needs a week to check out what he has from TAC and Mosler.

✓ Roettger - Need answers fast as time is short in these areas!

✓ Campbell - Hughes, can you get Mosler schedule in West area?

✓ Hughes - Yes, but it probably will not be very reliable. There are changes in the works and Felix wants a list of those who want shop drwgs, from Mosler. TAC should be in on this also.

✓49. Carlson - Sheehy needs to furnish breakdown of cost in insulation of air chambers on 10th and 15th floor, per our letter to them.

✓ Roettger - The sub who will be doing part of this work has not quoted us yet but should shortly.

- ✓50. Hendricks - Need final valve tagging on floors 9 & 12. Walls are going up, room numbers assigned by U of M will be issued by owner soon. They will be in numerical order and cross indexed to architectural drawings. We need the K & E tunnel opened.
- ✓Roettger - We will open it shortly.
- ✓51. Sievers - We need Rm. 3-75
- ✓Carlson - Mod. 126 affects this Rm.
- ✓Roettger - We will look into what's necessary to get this room built now.
- ✓52. Hendricks - How does HSAE intend that the lights and sprinkler heads be serviced over the escalator area?
- ✓Carlson - Many areas are affected the same way. In original design we had catwalks in for this purpose but they were omitted due to cost. I will refer this to our mechanical and electrical people for response.
- ✓53. Campbell - New print out - intent is to get telephone in ahead of ceiling panels and lead. Punch list shows a lot of float. But don't use this up before punching-out time. **(MODS CRITICAL)**
ACTION BY ALL PARTIES
- ✓54. Fallon - Most areas of fireproofing are acceptable. Areas damaged by other contractors need to be patched.
- ✓Culligan - We will sign for patching we are responsible for. Check cores.
- ✓Anderson - We will sign for patching we are responsible for.
- ✓Roettger - Cheapest way for all is to get together and have it all done at same time.
- ✓A meeting on Modifications followed the regular meeting.
- ✓55. We are still waiting for overdue answers on Mods. 66, 73, 81, 82, 83, 90, 91, 95, 112. These Mods. have not even been signed by us yet. 85

SHEEHY SCHEDULE

4-6-77

Wed. 4-6-77

SAN. PRECAST AIR CH. BSMT.

P. WALL STUDES - 9TH FL

S - POUR CHUTE HOLES

SAN SET ST STEEL MELL

BA - LT COVE + DIVIDERS - 9TH (COMP)

UNISTANT - 2 PM - MEETING

THUR. 4-7-77

S - POUR WALL - S-36 - W5 1/2

S - FORM BEAM - MELL

BA. LT COVE - SOFFIT - DIVIDERS - 9TH

BA+P - REPAIR CORNERS ON 12TH

RR CERAMIC - 12TH FL

(LAMS), MANHOLE AT DRAIN HOLE

FRI 4-8-77

P - 5-3839 - 9TH FL CEIL (COMP)

PARK - GRADE - MAUD - CLASS "5"

P. SAND + CLEAN UP 11TH FL

P. COMP. LEAD ON 2ND

CLEAN UP DAY

P. F.P. COMP. BSMT. ST #1

MON. 4-11-77

BA: START. RAD. COVERS - 12+11

S. MAUD START. BM BOTTOM

(SANDER) COMP. FLR. 12TH

P. START LEAD ON 11TH

P. COMP. CORE + STAIR WALLS 8TH

TUES. 4-12-77

BA - START SOFFIT + LT COVE 4TH

ADJOINT. START STRUCT. SLAB

P. CORE + STAIR WALLS 1ST + 2ND
WALLS START 10 6

P - LATH

S - 1-6105 - FOOTINGS - DRAIN TUNNEL

Wed 4-13-77

P. COMP. TAPING - 1ST FL

MON. 4-18-77

J.N. PRINT - 1 - 2 - 11 FLRS. PRIME

THUR. 4-14-77

P. CEILING ST 0, 2 - 1ST FL

TUES. 4-19-77

E+S. COMP. 4TH PIPE COVERING

FRI. 4-15-77

S. POUR AUDITORIUM SLAB

S - POUR MELL ST. SLAB

CLEAN UP DAY

PREMIER WORK SCHEDULE
 April 7 - April 14, 77

BRANCH CONDUIT - CEILING	9 TH FL.
BRANCH CONDUIT - WALLS	9 TH FL.
BRANCH CONDUIT - CEILING NO.	1 ST FL.
BRANCH WIRE - CEILING	1 ST FL.
FIXTURE CONNECTIONS	12 TH FL.
FEEDER WIRE CONNECTIONS	10 TH FL.
FEEDER WIRE TO FLOOR PANELS	1 ST FL.
FEEDER WIRE TO FLOOR PANELS	2 ND FL.
FEEDER CONDUIT TO FLOOR PANELS	BASEMENT
TELEPHONE SERVICE CONDUIT	BASEMENT
FIXTURE INSTALLATION	2 ND FL.
AUDITORIUM SLIZZ ROUGH IN	1 ST FL.
TRANSFORMER WIRE & CONNECTIONS	CORES 2, 3, 32
FIRE ALARM WIRE & DEVICES	11 TH + 12 TH FL.
FLOOR PANEL INSTALLATION	13 TH + 14 TH 15 TH
FIXTURES INSTALLATION - TYPE 'C'	2 ND , 11 TH + 12 TH FLOORS

Plumbing

- 1) 4-2123 - 4-2178 All cores 10-15-
- 2) 8-0415 Horiz. Rough-in stacks 1-6 15th Floor.
- 3) sleeve & insert AS NECESSARY.
- 4) in wall work on 11th, 2nd, & 1st Floors
- 5) Rough-in work MA10 Hosp.
- 6) Hook up & set H.W. Heaters - 15th Floor.

Heating

- 1) sleeve & insert AS NECESSARY
- 2) 4-2423 - 4-2478 cores 10-15
- 3) 7-1415 - Horiz. Rough-in 15th Floor
- 4) 8-1403A - Heating MAINS Basement
- 5) 8-1410A - Heating MAINS 10th Floor.
- 6) 8-1410B - Stacks & EQUIP. 10th Floor
- 7) 8-1415A - Heating MAINS 15th Floor

Pipe Covering

- 1) 4-2833 - 4-2878 cores 10-15
- 2) 5-1839 Pipe covering 9th Floor
- 3) 8-1803 Pipe covering Basement Equip. room

SPRINKLER FITTERS

- 1) Rough-in system - Unit "A" roof cooling fans

Sheet Metal

- 1.) 4-1423 - 4-1478 CONES 11-15
- 2.) 6-0639 - Horiz. duct work 9th Floor
- 3.) Horiz. duct work - 8th Floor
- 4.) 6-0619 - Horiz. Duct - stack 8 1st Floor
- 5.) 6-0628 - Horiz. Duct - stack's 849 2nd Floor
- 6.) Sleeve as Required
- 7.) 8-0603 - Basement Equip Room
- 8.) 8-0604 - " " "
- 9.) 8-0606 - " " "
- 10.) 8-0609 - 10th FL. EQUIP. ROOM
- 11.) 8-0610 - " " " "
- 12.) 8-0615 - 15th FL. EQUIP. ROOM



UNIVERSITY OF MINNESOTA
TWIN CITIES

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

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April 13, 1977 MODIFICATION STATUS

THE FOLLOWING MODIFICATIONS ON THE ATTACHED SHEETS ARE NOT
FINALIZED FOR ONE OF SEVERAL REASONS. THIS IS AS OF 4/0/77.
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THE * DENOTES MODIFICATIONS ISSUED AT LEAST 30 DAYS AGO.

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 Contractor <i>(no schedule impact)</i>
55-A*	Revise certain features of the work in 1st floor west areas rooms 1-395 & 1 - 396	General Mechanical Electrical	10/4/76	General Contractor <i>(no schedule impact)</i>
66-P*	Revise provisions for electrically locked unlocked exit devices & electro-magnetic hold	General Electrical	11/10/76	Review with Electrical Contractor <i>(no schedule impact)</i>
69-P*	Accomodate revised program requirements of the hospital revise a portion of the 2nd fl.	General Mechanical Electrical	11/16/76 Revised - 3/4/77	Architects Evaluation \$37,000; total cost <i>(no schedule impact)</i>
72-E*	Revise and clarify temporary electrical service installation	Electrical	12/3/76	University of Minnesota Evaluation <i>(no schedule impact)</i>
73-P*	Improve function of information area rooms 2-161 and 3-89	General Electrical	12/6/76	University of Minnesota Evaluation <i>(no schedule impact)</i>
76-P*	Improve coordination of ceiling items rooms 11-149 and 11-150	General Electrical Mechanical	12/7/76 FINAL	Processing
79-E*	Allow for future variable speed pumping in Unit A secondary chilled water systems complete compatiability between Units A&B/C	Mechanical Electrical	1/10/77	Electrical Contractor Mechanical Contractor <i>(no schedule impact)</i>
80-P*	Revisions to Electrical specs. & drawings. see modifications	Electrical	1/10/77	Electrical Contrantor to requote <i>(schedule impact)</i>
81-P*	Misc. revisions G.C., M.C., & E.C. omissions and relocations--see modifications	Mechanical General ELEC.	1/10/77	Contractor for Signature <i>approved for construction</i>
82-P*	Revise certain features of 1st floor 1-317 Urology support and room 1-318	General Mechanical Electrical	1/10/77	Contractor for Signature <i>approved for construction</i>
83-P	Construct new room 6-167 storage for family practice 6th floor. see modification	Electrical General Mechanical	1/10/77	Architects Evaluation HSPD needs cost.

VERIFY
COST
w/PMU

NO.	DESCRIPTION	CONTR.	ISSUED	DATE	COMMENTS
85-P*	Code requirements--see modifications	Mechanical Electrical		1/12/77	Contractor for Signature <i>approved by [unclear] w/ [unclear]</i>
86-P*	1st floor east power revisions in various rooms	Electrical		1/10/77	Time and Material <i>OK</i>
87-P*	Revisions - see modification	Electrical		1/10/77	Time and Material <i>OK</i>
88-P*	Refer to mod. & Electrical drawing sheet E-24 for revisions	Electrical		1/10/77	Time and Material <i>OK</i>
90-P*	Telephone Services recommendation	General Electrical		1/31/77	Contractor for Signature <i>[unclear] w/ [unclear]</i>
91-E*	Conflict on 5th floor core 31 door 31 and steel bracing	General Electrical		1/31/77	Contractor for Signature <i>[unclear] 1/31/77</i>
94-P*	Modifying rooms 11-107, 108, 108A, 109, and 110	General Electrical		2/9/77	MECH. COST. + 39,845 Electrical Contractor Quotation <i>[unclear] + 10,076</i>
95-P*	Changes to room 8-157	General Electrical		2/11/77	Contractor for Signature <i>[unclear] w/ [unclear] (no schedule impact)</i>
96-P*	Change a portion of room 8-140 into rooms 8-81, 162, 163, and 165	General Mechanical Electrical		2/11/77	Architects Evaluation <i>(? schedule impact)</i>
97-P*	Revise room 1-192	General Mechanical Electrical		2/11/77	Architects Evaluation
98-P*	Revises toilet room 1-103--see modification	General Mechanical Electrical		2/25/77	Electrical Contractor Quotation <i>[unclear] w/ [unclear]</i>
99-P*	Adding F.E. cabinet in basement	General		2/25/77	Architects Evaluation

MOD.	DESCRIPTION	CONTR	ISSUED	COMMENTS
101-P*	Omit concealed soap dispensers in exam rooms	Mechanical	2/25/77	Mechanical Contractor Quotation <i>(no schedule impact)</i>
102-P*	Increase the light level and rendition in exam, par, and treatment rooms	Electrical	2/25/77	Architects Evaluation \$7173.00 <i>(schedule impact)</i>
103-P*	Furnish padlock hasps on lockers in certain rooms--see modifications	General	2/25/77	Architects Evaluation
104-P*	Omit sprinkler heads which interfere with operation of power files--see modifications	General Mechanical	2/25/77	Mechanical Contractor <i>(NO CHANGE)</i> \$8.00 mat.
105-P*	Modify a portion of the 7th floor link for cart storage	General Mechanical Electrical	2/25/77	General Contractor Quotation Mechanical Contractor Quotation Electrical Contractor Quotation
106-A *	Cost reduction, controls simplification	Electrical	3/8/77	Electrical contractor Quotation
107-E*	Omit all automatic air vents and 3/4" unions specified to be installed on top of all hydronic supply and return risers	Mechanical	3/9/77	Mechanical Contractor Quotation
108-E*	Omit all flanged spool pieces	Mechanical	3/9/77	Mechanical Contractor Quotation
109-A *	Omit the air blenders specified for the 100% outside air units	Mechanical	3/9/77	Mechanical Contractor Quotation
111-P*	Modify the rooms 2-57, 2-58 and portions of the existing adjacent Mayo Hospital	General Mechanical Electrical	3/9/77	General Contractor Mechanical Contractor Quotation Electrical Contractor
112-P *	Provide additional storage casework in Room 2-146 work area	General Electrical	3/7/77	Contractor Signature <i>approved to proceed 3/14</i>
114 *	Revises 3rd floor west plaza drainage system part of mod 47-P	Mechanical	3/8/77	Mechanical Contractor Quotation

O.D.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
116-P* ✓	Omits cash allowance for radiology area	General Mechanical Electrical	3/9/77 FINAL	General Contractor Mechanical contractor Quotation
120-P ✓	Revise the admitting/cashier office area on Floor 2	General Mechanical Electrical	3/25/77	<i>(schedule impact)!!</i> General Contractor Quotation Mechanical Contractor Quotation Electrical contractor Quotation
121-P ✓	Not issued yet.		4/2/77	General Contractor Quotation Electrical Contractal Quotation <i>(Material review for 90 days)</i>
122-P ? ✓	Modify portions of Room 1232, 1235 1-240, 1-242	General Electrical	3/23/77	General Contractor Quotation Electrical Contractor Quotation <i>(schedule impact)</i>
123-E ✓	Modify the Unit B/C Plaza substrate Design	General	3/25/77	General Contractor Quotation <i>(no schedule impact)</i>
124-E ✓	Modify the Unit B/C Roof insulation and built-up roofing	GEN	3/25/77	General Contractor Quotation <i>(schedule impact)</i>
125-P ✓	Modify elevator #11 in Unit A <i>Cost: \$12,000.00</i>	E E E	3/24/77	General contractor Quotation Electrical Contractor Quotation <i>(no schedule impact)</i>
126-E ✓	3-75	General Mechanical Electrical	3/30/77	General Contractor Quotation Electrical Contractor Quotation <i>12/4/77</i>
127-A ✓	Modify Panel Heating System 1st floor West 1-369	General Mechanical	3/28/77	General Contractor Quotation Mechanical Contractor Quotation
128-A ✓	Mod. Contractor at Stairs G	General Mechanical	3/29/77	Mechanical Contractor Quotation
129 ✓	Revision to finished areas floor 9	General Mechanical Electrical		General Contractor Quotation Mechanical Contractor Quotation Electrical Contractor Quotation
130 ✓	Install 200 amp 3 pole non fuse disconnect switch controller elevator	Electrical		Electrical Contractor Quotation

SHEEHY CONSTRUCTION COMPANY

360 WEST LARPEUR AVE. • ST. PAUL, MINNESOTA 55113 • PHONE: 488-6691

MINUTES JOB MEETING UNIT B/C #61
APRIL 14, 1977

PEOPLE IN ATTENDANCE:

Jim Fallon	U of M
*Paul Kopietz	U of M
*Greg Kujawa	U of M
Paul S.	U of M
Jim Hastert	U of M
John Thesenvitz	W.P. & S.
Joe Palla	U of M
Wally Mellum	U of M
Joe McCormick	U of M
John S. Rudie	Campbell & Company
Jim Culligan	Premier Electric
*John Bellair	Premier Electric
Gene Kogl	U of M
Ray Anderson	Hayes Contractors
*George Klein	Hayes Contractors
Dick Carlson	HSAE
*Duane Blanchard	HSAE
*John Patterson	TAC
Dick Hendricks	U of M - Physical Plant
O. W. Hughes	U of M
Steve Greene	U of M
*Felix Hernandez	Mosler
Ken Fick	Sheehy
Pat Whalen	Sheehy
John Roettger	Sheehy
Rich Sievers	Honeywell

*Not Present

CORRECTIONS TO MINUTES:

39. Carlson - This should read it will take more than one (rather than several) modifications to supply electrical power to the locations shown.

REVIEW OF MINUTES:

46. Fick - We still do not have the keying requirements for the metal lockers.

Swanson - I am still working on this and expect to have them for you next week.

47. Fallon - How is progress on Mayo West?

Hughes - The work is within a day or two of the schedule.

48. Hughes - I still have not received the Mosler shop drawings.

Carlson - We are working with TAC to complete Mayo West. The Mosler electrical plan in the main building is complete.

Kogl - Can you give a date when these will be ready?

Carlson - Middle of next week.

Hastert - The installation of mechanical work in the area of stair 'G' will involve shut down time in Mayo.

50. Anderson - The valve tags have been ordered.

Hendricks - The numbering system and tagging are proceeding.

Hughes - Do you have a target date for mechanical work above ceiling on the 12th floor?

Anderson - A temporary date is set with Hastert.

Anderson - What is the date for ceiling pads on 12th floor?

Roettger - May 15th - Can we punch out without the pads?

Mellum - Telephone work will be a problem - the system has not started.

Culligan - Can start in one week.

Kogl - Maybe something can be worked out. Put pads in rooms and lock rooms.

51. Fick - We are constructing room 3-75 now and it will be completed the latter part of next week.

Mellum - Modification 126 affects this area.

Culligan - We will be finished in a week.

52. Carlson - (Referring to how lights and sprinkler heads will be serviced over the escalator area and other similar areas) TAC is forming a response to this question.

55. Fick - We submitted breakdowns for five modifications since the last meeting but no approved modifications were received by us during this period.

Carlson - Modifications Nos. 81, 82, 85, 90, 91, 95, 112 have been sent to the contractors for signature.

NEW BUSINESS:

56. Fick - Modification 125 pertains to the remodeling work at elevator No. 11. At Dick Hendricks request I will not send this modification to R. & O. Elevator Company. The work will be done by Westinghouse, but since the University has a maintenance agreement with R. & O. we want it understood that if R. & O. should make any claim during the period of work covered by this Mod. such claim will go to the University. This is the agreement between Dick Hendricks and me now.

Hendricks - Will we be able to use the elevator at all during the six week "down time"?

Fallon - In a letter from them Westinghouse said no.

Kogl - We need clarification on this. Magnuson said in a letter it would be possible to use it at certain times.

57. Fick - Are we still having problems with the various prime contractors as to the responsibility of each for clean up?

Roettger - Yes, and if necessary we will reluctantly leave the debris there for the owner's help in resolving this problem.

Culligan - Will you still clean the cores?

Roettger - Yes, as we said we would.

Fick - A clean job is a safe job and we ask that each prime contractor dig in and does his own share of the clean up.

Kogl - If it becomes necessary as a last resort, we will do the clean up and charge the responsible contractor.

58. Hughes - The Mods. were put into the CPM on a long lead time. The owner will try to get them in the next runout showing the proper time slot.

Rudie - We tried to put these Mods in but there was not enough input. We will try to accomplish that on the next runout.

59. Hendricks - The University has a floor indicator panel installed in the basement of Unit 'A'. Make sure the architect and Westinghouse know and use.

Carlson - We have it on the drawings.

60. Carlson - New Modifications 121, 129, 130, 133, 134 and 136 were mailed today.

61. Kogl - There will be a meeting on Modifications and their impact at 10 a.m. tomorrow morning. All appropriate participants should be there. Can we get Delaware open?

Roettger - We are working on it but could use an East Delaware plan.

62. Fallon - The University is still missing some copies of the breakdowns of Modifications sent to HSAE. Copies of all price transactions to the architect should go to the University.

PREMIER WORK SCHEDULE

APR. 14 - APR. 21

WORK ITEM	ACTIVITY	LOCATION
5-4439	BRANCH CONDUIT - WALLS	9 TH FL.
5-4539	BRANCH WIRE	9 TH FL.
5-5012	RECESSED LIGHTING TYPES C + A	12 TH FL.
5-5021	RECESSED LIGHTING TYPES C + A's	11 TH FL.
5-5039	RECESSED LIGHTING TYPE C's	9 TH FL.
5-6721	FIVE H/17MM WIRE	11 TH FL.
5-7839	SURGICAL LIFE SUPPORTS	9 TH FL.
6-3410	FEEDER WIRE CONNECTIONS	1 ST FL.
6-3412	FEEDER WIRE CONNECTIONS	1 ST FL.
6-3420	FEEDER WIRE + CONNECTIONS	2 ND FL.
6-3920	BRANCH CONDUIT CEILING	2 ND FL.
6-3912	BRANCH CONDUIT CEILING	1 ST N.W.
6-5020	RECESSED LIGHTING TYPES C + A	2 ND FL.
6-7031	FIM CONDUIT / FLOOR TROUGH ROOM 3-75	1 ST FL.
	MOTOR CONDUIT	UNIT A
	AUDITORIUM SLAB - ROUGH IN	1 ST FL.
	RADIOLOGY ROOMS - COMPLETE XRAY TROUGH	1 ST FL.
	LIGHTING FIXTURES ELEVATOR MACH. RM.	10 TH FL.
	SET TRANSFORMER + CONNECT PANELS	Corridor 9, 31, 32

Plumbing

- 1.) 4-2123 - 4-2178 All cores 10-15
- 2.) 8-0415 - Horiz. Rough-in stacks 1-6 15th FL.
- 3.) Sleeve + insert AS NECESSARY.
- 4.) in wall work on 9th Floor.
- 5.) 6-0404 Horiz. Rough-in Base. west.
- 6.) 8-0403 Horiz. Rough-in Basement stack - 4-6.
- 7.) 8-0404 " " " " " 7-9.
- 8.) Hook up H.W. Heaters 15th Floor.
- 9.) Changing Lines For the M.T.S. system.

Heating

- 1.) Sleeve + insert AS NECESSARY
- 2.) 4-2423 - 4-2478 All cores 10-15
- 3.) 7-1415 - Horiz. Rough-in 15th Floor.
- 4.) 8-1403A - HEATING MAINS BASEMENT.
- 5.) 8-1410A - " " 10th Floor.
- 6.) 8-1410B - STANDS + EQUIPMENT 10th Floor.
- 7.) 8-1415A - HEATING MAINS 15th Floor.
- 8.) 7-1434 - Horiz. Rough-in - 14th Floor.
- 9.) 7-1453 - " " " 13th Floor.
- 10.) 8-1403B. STANDS + EQUIPMENT - BASEMENT

Sprinkler

- 1.) Unit "A" cooling towers
- 2.) 8-1603 Horiz. Sprinkl^r Basement
- 3.) 8-1610 - " " 10th FL. Complete
- 4.) 5-5612 Finish - 12th FL.

Pipe Covering

- 1) 5-1839 - Pipe Covering - 9th Floor.
- 2) 5-1848 " " - 8th Floor.
- 3) 5-1864 " " 4th Floor.
- 4) 8-1803 " " Base. Equip. Room

Sheet Metal

- 1) 4-1423 - 4-1478 Cares 11-15
- 2) 5-0639 - Horiz. duct work 9th Fl. Complete.
- 3) 6-0619 - Horiz. duct stack 8 - 1st Fl.
- 4) 6-0628 - " " Stacks 8+9 2nd Fl.
- 5) 8-0603 - Basement
- 6) 8-0604 - "
- 7) 8-0606 - "
- 8) 8-0609 - 10th Fl. Equip. Room
- 9) 8-0610 - " " " "
- 10) 8-0615 - 15th Fl. Equip Room

SHEEHY SCHEDULE

4-13-77

Wed. 4-13-77

P- COMP. TRIMING - 1ST FL

S- BIN BOTTOM MEZZ

P- CLEAN UP 11TH FL

PARK - CEILING MEZZ

P- LATHER - 2ND FL

SANDER - 12TH FL - LINE ^{COMP}

THUR. 4-14-77

P- DRYWALL - 9TH FLOOR START.

Inst. Form. MEZZ SLAB

S- REMOVE WINTER PROT.

S- FR. ST. MEZZ

J.N. PAINT STAIR A

SANDER - ^{Now!} ST. STEEL - MEZZ 3rd.

FRI. 4-15-77

P- 5-3539 - 9TH FL CEIL COMP

CLEAN UP DAY

P- COMP LEAD ON 11TH

B.N. SOFFIT - LT. COOR. Can in Bin

N.H. W/P. SIGN + PLASTER

PRE- 5-7839. SCRG. LT Scaffolding 9TH

MON. 4-18-77

P- CEILING ST. 0-2 - 1st FL

B.N. - SOFFIT + LT COOR - 4TH

P.K. CERAMIC TILE - 12TH

P- COMP. ALL STAIRS

J.N. PAINT - 11TH FL

P- FOD LATHERS - FOR - 2ND FL.

TUES. 4-19-77

S- POUR 1100. SLAB -

REP. FORM DIEHL TUNNEL

~~P- CEILING - 8TH FLOOR~~

E.H.S. - 8-6-4-2-1-B

P- PLASTER - 9TH FL

~~Line No. on 11th fl.~~

WED. 4-20-77

S- 1-5053 - ST. SLAB MEZZ

THUR. 4-21-77

S- 1-5053 - COLY WALL ON MEZZ

MON. 4-25-77

B.N. - SOFFIT + LT COOR. 10TH FL

TUES. 4-26-77

P- PLASTER - 2ND FL

FRI. 4-22-77

CLEAN UP DAY

C.R.S.F.DORK - 11/12 - 5-5-77

/ 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 Contractor Quotation
55-A*	Revise certain features of the work in 1st floor west areas rooms 1-395 & 1-396	General Electrical Mechanical	10/4/76	General Contractor Quotation
66-P*	Revise provisions for electrically locked/unlocked exit devices & electro-magnetic hold	General Electrical	11/10/76	Electrical Contractor Negotiation
69-P*	Accomodate revised program requirements of the hospital revise a portion of the 2nd floor	General Mechanical Electrical	11/16/76 Revised - 3/4/77	Architects Evaluation
72-P*	Revise and clarify temporary electrical service installation	Electrical	12/3/76	U of M Evaluation
73-P*	Improve function of information area rooms 2-161 and 3-89	General Electrical	12/6/76	U. of M. Evaluation
79-E*	Allow for future variable speed pumping in Unit A secondary chilled water systems complete compatiability between Units A&B/C	Mechanical Electrical	1/10/77	Mechanical Electrical Contractor Quotation
80-P*	Revisions to Electrical specs. & drawings see modifications	Electrical	1/10/77	Electrical Contractor to Request
81-P*	Misc. revisions G.C., M.C., & E.C. omissions and relocations--see modifications	Mechanical General Electrical	1/10/77	Processing
82-P*	Revise certain features of 1st floor 1-317 Urology support and room 1-318	General Mechanical Electrical	1/10/77	Processing
83-P	Construct new room 6-167 storage for family practice 6th floor see modification	Electrical General Mechanical	1/10/77	Architect Evaluation

NO.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
85-P	Code requirements-see modifications	Mechanical Electrical	1/12/77	Processing
86-P	1st floor east power revisions in various rooms	Electrical	1/10/77	Time and Material
87-P	Revisions - see modification	Electrical	1/10/77	Time & Material
88-P*	Refer to mod. & Electrical drawing sheet E-24 for revisions	Electrical	1/10/77	Time & Material
90-P	Telephone Services recommendation	General Electrical	1/31/77	U. of M. Contractor for Signature
91-E*	Conflict on 4th floor core 31 door 31 and steel bracing	General Electrical	1/31/77	U. of M. for Signature
94-P*	Modifying rooms 11-107, 108, 108A, 109 and 110	Mechanical General Electrical	2/9/77	Electrical Contractor Quotation
95-P*	Changes to room 8-157	General Electrical	22/11/77	Contractor for Signature
96-P*	Change a portion of room 8-140 into rooms 8-81, 162, 163, and 165	General Mechanical Electrical	2/11/77	Architects Evaluation
97-P*	Revise room 1-192	General Mechanical Electrical	22/11/77	Architect Evaluation
98-P*	Revises toilet room 1-103--see modification	General Mechanical Electrical	2/25/77	Electrical Contractor Quotation
99-P*	Adding F.E. cabinet in basement	General	2/25/77	Architects Evaluation

O.D.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
101-P*	Omit concealed soap dispensers in exam rooms	Mechanical	2/25/77	Mechanical Quotation
102-P*	Increase the light level and rendition in exam, par, and treatment rooms	Electrical	2/25/77	Architects Evaluation
103-P*	Furnish padlock hasps on lockers in certain rooms-see modifications	General	2/25/77	General to requote
104-P*	Omit sprinkler heads which interfere with operation of power files-see modifications	General Mechanical	2/25/77	Mechanical Contractor Quotation
105-P*	Modify a portion of the 7th floor link for cart storage	General Mechanical Electrical	2/25/77	Mechanical, Electrical Contractor Quotation
106-A*	Cost reduction, controls simplification	Electrical	3/8/77	Electrical contractor Quotation
107-E*	Omit all automatic air vents and 3/4" unions specified to be installed on top of all hydronic supply and return risers	Mechanical	3/9/77	Mechanical to Quotation
108-E*	Omit all flanged spool pieces	Mechanical	3/9/77	Mechanical to Quotation
109-A	Omit the air blenders specified for the 100% outside air units	Mechanical	3/9/77	Mechanical to Quotation
111-P*	Modify the rooms 2-57, 2-58 and portions of the existing adjacent Mayo Hospital	General Mechanical Electrical	3/9/77	Electrical, Mechanical to Quotation
112-P*	Provide additional storage casework in Room 2-146 work area	General Electrical	3/7/77	U. of M. for signature

MOD.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
114-E	Revises 3rd floor west plaza drainage system part of mod. 47-P	Mechanical	3/8/77	Mechanical to Quotation
120-P	Revise the admitting/cashier office area on Floor 2	General Mechanical Electrical	3/25/77	General contractor Quotation Mechanical Contractor Quotation Electrical Contractor Quotation
121-P	Intrusion System	General Electrical	4/8/77	General Contractor Quotation Electrical Contractor Quotation
122-P	Modify portions of Room 1232, 1235, 1-240, 1-242.	General Electrical	3/23/77	General Contractor Quotation Electrical Contractor Quotation
123-E	Modify the Unit B/C Plaza substrate Design	General	3/25/77	General to Quotation
124-E	Modify the Unit B/C Roof insulation and built-up roofing	General	3/25/77	General to Quotation
125-P	Modify elevator #11 in Unit A	General Mechanical Electrical	3/24/77	General Contractor Quotation Electrical Contractor Quotation
126-E	Modify the provisions for air conditioning of room 3-75 in accordance with modification	General Mechanical Electrical	3/30/77	General Contractor Quotation Mechanical Contractor Quotation
127-A	Modify Panel Heating System 1st floor West 1-369	General Mechanical	3/29/77	General Contractor Quotation Mechanical Contractor Quotation
128-A	Mod. conditions at Stairs G in Mayo Hospital	General Mechanical	3/29/77	Mechanical Contractor Quotation
129-P	Revision to finished areas floor 9	General Mechanical Electrical		General Contractor Quotation Mechanical Contractor Quotation Electrical Contractor Quotation

/ O.D.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
131-A	Install 200 amp, 3 pole non fuse Disconnect switch controller elevator 4, 5, 6	Electrical	4/12/77	Electrical Contractor Quotation
131	Not issued			
132	Not issued			
133-P	Provide Mirrors 24" - 60" Room 1-301, 1-302, & 1-303	General	4/8/77	General Contractor Quotation
134-L	Change from round pattern to square pattern street drains	Mechanical		
136-A	Auditorium Seating revisions	General Electrical	4/14/77	General Quotation Electrical Quotation
137-A	Substitute mason industry floating floor system	General	4/17/77	Contractor to sign
139-A	Revise the location of service sink 1-78	General Mechanical	4/20/77	General Quotation Mechanical Quotation
135	Not issued			

* -HOOKS - 11-149 + 11-152
FROM COGGINS.
OR BORNER

SHEEHY CONSTRUCTION COMPANY

360 WEST LARPEUR AV. • ST. PAUL, MINNESOTA 55113 • PHONE: 488-6691

MINUTES JOB MEETING UNIT B/C #62
APRIL 21, 1977

PEOPLE IN ATTENDANCE:

- | | |
|--------------------|-------------------------|
| R. Magnuson | Westinghouse Elevator |
| Gene Kogl | U of M |
| Wally Mellum | U of M |
| Rich Sievers | Honeywell, Inc. |
| R. P. Campbell | Campbell & Company |
| W. J. Homme | Haldeman-Homme |
| John S. Rudie | Campbell & Company |
| Joe Palla | U of M |
| Joe McCormick | U of M |
| Dick Hendricks | U of M - Physical Plant |
| Ray Anderson | Hayes Contractors |
| George Klein | Hayes Contractors |
| Jim Culligan | Premier Electric |
| * John Bellair | Premier Electric |
| Greg Kujawa | U of M |
| [REDACTED] | [REDACTED] |
| * Paul Maupin | U of M |
| Richard J. Carlson | HSAE |
| * Duane Blanchard | HSAE |
| * John Patterson | TAC |
| Jim Fallon | U of M |
| * Paul Kopietz | U of M |
| Jim Hastert | U of M |
| O.W. Hughes | U of M |
| * Felix Hernandez | Mosler |
| Steve Greene | U of M |
| Jack Frerichs | Wm. Poppenberger & Son |
| Ty Berg | Wm. Poppenberger & Son |
| John Roettger | Sheehy Const. Co. |
| Pat Whalen | Sheehy Const. Co. |
| Ken Fick | Sheehy Const. Co. |

* Not Present

CORRECTIONS TO MINUTES:

39. Carlson - This statement pertains to M.T.S. and more than one Mod. will be necessary to supply electrical power to the necessary locations and to resolve other problems.

REVIEW OF MINUTES:

- ✓46. Fick - We still do not have the keying requirements for the metal lockers.
- ✓Hughes - Swanson will have them for you by tomorrow afternoon at the latest.
- ✓50. Fick - We have sent a letter to appropriate subs with a copy to all primes in which we request that all work above ceilings on the 11th and 12th floors be complete and inspected by May 20, 1977. We will be laying in acoustical pads shortly after this date.
- ✓Culligan - We will be ready on 12 - maybe not on 11.
- ✓Anderson - Mechanical work in the soffit overhangs will be a problem if all mechanical work above ceilings on the interior is not complete.
- ✓Roettger - We expect to leave the corridors unfinished until the telephone and other people are finished.
- ✓Campbell - August 23rd is the date of acceptance for these two floors.
- ✓Hughes - We can inspect an area without all work complete if there is a good reason for doing so.
- ✓Frerichs - The early date was May 18, 1977 and we ordered our pads accordingly. We would like to be in before casework and finish painting. Pads make some dirt. So if we are unable to put the pads in on the early side we will have a continuous problem with storage and moving.
- ✓Mellum: Media Resources no problem on 11th and 12th floors but the telephone work is. Cores 29, 31, and 32 must be complete, clean up performed, doors, electrical panels, and conduit all in place so telephone work can start. Need a starting date for the telephone company.
- ✓Culligan - Tell them May 16th.

Kujawa - There is a lot of media resource work on floors 1 - 9.

✓51. Fick - What is the status of room 3-75?

✓Roettger - We will be finished with it Monday night except for painting.

✓56. Magnuson - There will be times when the owner can use elevator #11 while the work is being done for Mod. 125. Temporary enclosures by others will have to be utilized so that it can be operated safely.

✓Roettger - Something can possibly be worked out for off hours.

✓Hendricks - Then mainly our use will have to be after 4 p.m. and on weekends. When will work start?

✓Fick - This fall due to modification approval time, 16 week delivery of elevator equipment time, and shop drawing approval time.

✓58. Campbell - We will put together a rerun the latter part of next week. Some Mods and items will give trouble.

✓61. Roettger - There is a delay on East Delaware due to a problem with the hooks on the precast slabs over the air shaft. Will meet with Carlson after meeting to resolve.

63. Fick - These Mods are pressing: 66, 69, 73, 83, and 97.

Carlson - 97 we are reviewing, 66 electrical will resubmit a price, 73 owner reviewing, 83 HSAE will review with Gen Kogl.

Culligan - We are sending in #94 tomorrow. #111 was sent in yesterday. #136 will be on T & M.

NEW BUSINESS:

✓64. Campbell - Next week we will put together information for a new runout. We will use information obtained for the most part from the owner's field personnel. Contractors can still come to us direct.

✓Roettger - We need input from the University.

✓65. Fick - Additional access panels are being handled on a unit cost basis. How is the accounting for this being done?

62

- ✓Roettger - There is a problem with the size and the number.
- ✓Hastert - Give us a listing of what you have on hand and we will try to use those to minimize ordering additional quantities.
- ✓66. Roettger - Mayo West mezzanine slab is running one week late.
- ✓67. Magnuson - There is a conflict on the size of the firemen's jack box.
 - ✓Culligan - We will check on it.
- ✓68. Greene - Brandt-Airflex is installing some enclosures without lead, will have to be taken off and lead put on. Some finish material was dropped off a truck on Delaware.
 - ✓Roettger - I will talk with them and there will be no problem with the installation of the lead. The material dropped off the truck was not prefinished material - it was merely primed.
- ✓69. Hughes - Room 361 in West may be a problem structurally for the M.T.S. system. Should be resolved by the end of next week.
 - ✓Carlson - There was a new path proposed.
 - ✓Roettger - The last of next week should be no problem.
- ✓70. Carlson - New Mod. 139A has been issued. Mod. 135 will be rejected.
 - ✓Roettger - In Mod. 114 the drain is not located where it is most needed.
 - ✓Hastert - Drains will be moved.
 - ✓Hughes - Will take about 20 feet more of 4 inch pipe.
- ✓71. Hendricks - The heat shield in Unit 'A' does not work properly.
 - ✓Kogl - Which area?
 - ✓Hughes - Southeast area of basement. Is this a new or old problem?
 - ✓Hendricks - Old, but I would like to see a better result obtained on Unit B/C especially if Unit 'A' is not corrected.

KITCHEN AREA (MANNING)
TUES. MAY 3, 1977

- ✓ Kogl - Have the architect check it out.
- ✓ Carlson - I will have Bob Nielsen call Hendricks.
- ✓ Hendricks - If floors 11 and 12 are accepted, is fire management?
- ✓ Anderson - Yes.
- ✓ Hendricks - When will the K & E tunnel be opened?
- ✓ Roettger - Open Monday.
- ✓ Hendricks - Would it be possible to have my service people spot access panels in Unit B/C? They added many in Unit 'A'.
- ✓ 72. Homme - Metal lab casework will start coming to the job the first week of May.
- ✓ 73. Hastert - Is the rescheduled meeting on M.T.S. still slated for the 28th?
Carlson - Yes that will be okay.

SHEEHY SCHEDULE

4-20-77

WED. 4-20-77

P. LATH - 2ND + 11TH

S. POUR AUDITORIUM

E.S. COMP. 8TH FL ^{LT COUF} SOFFIT.

JN. PRIME - 11TH FL.

R.D. MEZZ SLAB

P. TOWER COMP. STAIRS

THUR. 4-21-77

P. CORE WALLS - 4TH FL

S - POUR FTG - K + F TUNNEL

P - DRYWALL - 9TH FL

REP - FORM - S.W. WALL OF MANS

BR. LT. COUF + SOFFIT - 6TH FL

S. LAYOUT MEZZ GRIDS

FRI. 4-22-77

SANDER - COMP. 12TH LINK

REP. FORM TUNNEL WALLS

N.H. - W/P DIEHL + PLAZA

SAND. R.R. MEZZ. FLOOR

P. F.P. COMPLETE YOUR WORK

P. 8TH FLOOR HI WALLS - DRYWALL

MON. 4-25-77

SANDER. START 11TH LINK

P. CFILING COMPLETE ON 1ST

P. PLASTER - 9-2 - Now!

P. LATHERS - Now! 2-7-11

E+S. COMP. 8-1-2-4-6-B

TUES. 4-26-77

S. POUR TUNNEL WALL - 1ST POUR

BR. SOFFIT + LT COUF - 4TH FL

P. CFILING. START ON 8TH

PRE. CEIL CONDUIT - 1ST FL

WED. 4-27-77

S. POUR MEZZ

THUR. 4-28-77

S. COL & WALLS TO 1ST FL WEST

MON. 5-2-77

R.K. CERAMIC. 11+12

TUES. 5-3-77

P. WALLS - 1ST FL

FRI. 4-29-77

C. WALLS MEZZ BSMT., 10TH., 15.

Premier Work Schedule
 April 21 - April 25, 1977

Work Item

5-4439	Branch Conduit - Ceiling	9 th Floor
5-4539	Branch Wire	9 th Floor
5-5021	RECESSED FIXTURES	11 th Floor
5-5839	RECESSED FIXTURES	9 th Floor
5-6721	FIVE 17/17MM WIRE	11 th Floor
5-7537	Surgical Light Supports	9 th Floor
5-7822	Surgical Light Supports	2 nd Floor
5-7810	Surgical Light Supports	1 st Floor
5-7812	Branch Conduit - Ceiling	1 st Floor
5-5326	RECESSED LIGHTING	2 nd Floor
5-5557	PLASTERED CEILING	9 th Floor
5-5737	TEMP. CONTROL TROUGH IN	9 th Floor
5-4431	Branch Conduit - Walls	9 th Floor
5-5237	INSTALL LIGHT FIXTURES SURFACE	9 th Floor
5-710	FEEDER WIRE CONNECTIONS	1 st Floor
5-442	Branch Conduit - Perimeter Walls	1 st Floor
	Motor Conduit - Unit 1	Basement
	{ COMPLETE TRANSFORMER PANEL } CORE DISCONNECT	
	{ CONNECTIONS }	11 th Floor
	{ INSTALL FEEDER CONDUIT FROM PANEL }	
	{ TO DRUY TROUGH ABOVE CEILING IN }	1 st Floor
	{ RADIOLOGY ROOMS }	

Plumbing

- 1.) 4-2123 - 4-2178 All cores 10-15
- 2.) 8-0415 - Horiz. Rough-in stacks 1-6 15th FL.
- 3.) Sleeve + insert as necessary.
- 4.) in wall work on 9th Floor.
- 5.) 6-0404 Horiz. Rough-in Base. west.
- 6.) 8-0403 Horiz. Rough-in Basement stack - 4-6.
- 7.) 8-0404 " " " " " 7-9.
- 8.) Hook up H.W. Heaters 15th Floor.
- 9.) Changing Lines For the M.T.S. system.

Heating

- 1.) Sleeve + insert as necessary
- 2.) 4-2423 - 4-2478 All. cores 10-15
- 3.) 7-1415 - Horiz. Rough-in 15th Floor.
- 4.) 8-1403A - Heating mains Basement.
- 5.) 8-1410A - " " 10th Floor.
- 6.) 8-1410B - Stands + Equipment 10th Floor.
- 7.) 8-1415A - Heating mains 15th Floor.
- 8.) 7-1434 - Horiz. Rough-in - 14th Floor.
- 9.) 7-1453 - " " " 13th Floor.
- 10.) 8-1403B. Stands + Equipment - Basement

Sprinkler

- 1.) Unit "A" cooling towers
- 2.) 8-1603 Horiz. Sprink Basement
- 3.) 8-1610 - " " 10th Fl. Complete
- 4.) 5-5612 Finish - 12th Fl.

Pipe Covering

- 1) 5-1839 - Pipe Covering - 9th Floor.
- 2) 5-1843 " " - 8th Floor.
- 3) 5-1864 " " 4th Floor.
- 4) 8-1803 " " Base. Equip. Room

Sheet Metal

- 1) 4-1423 - 4-1478 Coves 11-15
- 2) 5-0639 - Horiz. duct work 9th Fl. Complete.
- 3) 6-0619 - Horiz. duct stack 8 - 1st Fl.
- 4) 6-0628 - " " Stacks 8+9 2nd Fl.
- 5) 8-0603 - Basement
- 6) 8-0604 - " "
- 7) 8-0606 - " "
- 8) 8-0609 - 10th Fl. Equip. Room
- 9) 8-0610 - " " " "
- 10) 8-0615 - 15th Fl. Equip. Room



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96-P*	Change a portion of room 8-140 into rooms 8-81, 162, 163, and 165	General Mechanical Electrical	2/11/77	U of M to Evaluate
97-P*	Revise room 1-192	General Mechanical Electrical	22/11/77	To contract for signature
98-P*	Revises toilet room 1-103--see modification	General Mechanical Electrical	2/25-77	Electrical to Quote
99-E*	Adding F.E. cabinet in basement	General	2/25/77	To contractor for signature
101-P*	Omit concealed soap dispensers in exam rooms	Mechanical	2/25/77	Architects Evaluation
102-P*	Increase the light level and rendition in exam, par, and treatment rooms	Electrical	2/25/77	U of M to Evaluate
103-P*	Furnish padlock hasps on lockers in certain rooms--see modifications	General	2/25/77	To contractor for signature
104-P*	Omit sprinkler heads which interfere with operation of power files--see modifications	General Mechanical	2/25/77	Architects Evaluation
105-P*	Modify a portion of the 7th floor link for cart storage	General Mechanical Electrical	2/25/77	Mechanical Electrical to Quote
106-A*	Cost reduction, controls simplification	Electrical	3/8/77	Electrical to Quote
107-E*	Omit all automatic air vents and 3/4" unions specified to be installed on top of all hydronic supply and return risers	Mechanical	3/9/77	Architects Evaluation

C.D.	DESCRIPTION	CONTR	ISSUED	COMMENTS
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109-A	Omit the air blenders specified for the 100% outside air units	Mechanical	3/9/77	Mechanical to Quote
111-P*	Modify the rooms 2-57, 2-58 and portions of the existing adjacent Mayo Hospital	General Mechanical Electrical	3/9/77	Mechanical to Quote
114-P*	Revises 2nd floor west plaza drainage system part of mod. 47-P	Mechanical	3/8/77	Mechanical to Quote
120-P	Revise the admitting/cashier office area on Floor 2	General Mechanical Electrical	3/25/77	General Contractor to Quote Mechanical Contractor to Quote Electrical contractor to Quote
121-P	Intrusion System	General Electrical	4/8/77	General Contractor to Quote Electrical Contractor to Quote
122-P	Modify portions of Room 1232, 1235 1-240, 1-242	General Electrical	3/23/77	General Contractor to Quote Electrical Contractor to Quote
123-P	Modify the Unit B/C Plaza substrate Design	General	3/25/77	General Contractor to Quote
124-E	Modify the Unit B/C Roof insulation and built-up roofing	General	3/25/77	U of M to Decide Credit
125-P	Modify elevator #11 in Unit A	General Mechanical Electrical	3/24/77	General, Electrical to quote Vertical to submit cost break-down
126-E	Modify the provisions for air conditioning of room 3-75 in accordance with modification	General Mechanical Electrical	3/30/77	Mechanical to Quote
127-A	Modify Panel Heating System 1st floor West 1-269	General Mechanical	3/29/77	Mechanical

O.D.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
128-A	Mod. conditions at Stairs G in Mayo Hospital	General Mechanical	3/29/77	Mechanical Time & material
129-P	Revisions to finished areas floor 9	General Mechanical-Electrical		General contractor to Quote Mechanical contractor to Quote Electrical contractor to Quote
130-A	Install 200 and mp 3 pole non fuse Disconnect switch controller elevator 4,5,6	Electrical	4/12/77	Electrical to Quote
131-	Not issued		4/22/77	General Contractor to Quote Electric Contractor to Quote
132	Not issued			
133-P	Provide Mirrors 24" 60" Room 1-301, 1-302, & 1-303	General	4/8/77	General Contractor to Quote
136-A	Auditorium Seating revisions	General Electrical	4/14/77	General Contractor to Quote
137-A	Substitute mason industry floating floor system	General	4/17/77	FINAL
138	Not issued			
139-A	Revise the location of service sink 1-78	General Mechanical	4/20/77	General Contractor to Quote Mechanical Contractor to Quote
135	REJECTED			
140	Not issued			
141				Electrical Contractor to Quote

MEETING ON MODIFICATIONS - 4/15/77

John Roettger	Sheehy Construction Company
Ken Fick	Sheehy Construction Company
Robert Dickler	U of M
Jim Fallon	U of M
Joe Palla	U of M
Jim Hastert	U of M
Wally Mellum	U of M
Jim Culligan	Premier Electric
John Bellair	Premier Electric
Joe McCormick	U of M
Robert Nielsen	HSAE
R. P. Campbell	Campbell & Company
R. J. Carlson	HSAE
Duane E. Blanchard	HSAE
Gary Hall	HSAE
Greg Kujawa	U of M
	
Paul Maupin	U of M
O. W. Hughes	U of M
Gene Kogl	U of M
George Klein	Hayes Contractors
Steve Greene	U of M

SPECIAL MEETING ON PENDING MODIFICATIONS - 4/15/77

KOGL - "The issuance of a Modification is a "Hold" on the area affected. However, if necessary, we will release a component of or all of the Mod. and this special release will be in written form from the owner's field office. When Mods. are sent to the Primes for signature, each will be treated on an individual basis by the owner as to his decision to release the Mod. for go-ahead in the manner prescribed above."

FOLLOWING IS THE STATUS OF ALL PENDING MODS. AT PRESENT:

- MOD. 51. Electrical not in - no impact.
- 55. General re-quote not in.
- 66. HSAE and Owner to review with electrical contractor affecting on going work now and the longer it goes on the more cost will be involved.
- 69. HSAE and Owner considering - holding up 2nd floor now. Hope to have decision by April 22nd.
- 72. Was skipped over.
- 73. Funding is the problem - who pays for what? Shop drawing approval yet to come.
- 79. Need Mechanical and Electrical quotes.
- 80. Electrical not in.
- 81. Out to Primes for signature
- 82. Out to Primes for signature
- 83. HSAE and Owner evaluating. There is impact.
- 85. Out to Primes for signature.
- 89. Rejected
- 90. Out to Primes for signature.
- 91. Out to Primes for signature.
- 94. Electrical not in.
- 95. Out to Primes for signature.
- 96. HSAE reviewing.
- 97. HSAE reviewing. Recently received Mechanical quote.
- 98. Electrical not in.
- 99. HSAE reviewing.
- 101. Mechanical not in.
- 102. HSAE evaluating
- 103. HSAE evaluating
- 104. Mechanical not in
- 105. Need all quotes. General will be in next week.
- 106. Electrical not in
- 107. Electrical not in
- 108. Electrical not in

Special Meeting on Pending Modifications

Page 2

- 109. Mechanical not in
- 110. Rejected
- 111. Need all quotes. General will be in next week.
- 112. Out to Primes for signature.
- 113. Rejected.
- 114. Mechanical not in
- 119. Rejected
- 120. Need all quotes
- 121. Need general and electrical quotes
- 122. Need general and electrical quotes
- 123. General not in
- 124. General not in
- 125. General and electrical not in
- 126. General and mechanical not in
- 127. General and mechanical not in
- 128. HSAE reviewing with Mechanical Contractor
- 129. Need all quotes - an interface Mod.
- 130. Electrical not in
- 133. General not in
- 134. Sent to Mechanical Contractor for signature
- 136. General and Electrical not in.



SHEEHY CONSTRUCTION COMPANY

360 WEST LARPEUR AVE. • ST. PAUL, MINNESOTA 55113 • PHONE: 488-6691

MINUTES OF JOB MEETING UNIT B/C #63
APRIL 28, 1977

PEOPLE IN ATTENDANCE:

R. Magnuson	Westinghouse Elevator
Jim Fallon	U of M
*Paul Kopietz	U of M
R. P. Campbell	Campbell & Company
Paul Maupin	U of M
Rich Sievers	Honeywell, Inc.
Jim Hastert	U of M
Joe Palla	U of M
Joe McCormick	U of M
Wally Mellum	U of M
Gene Kogl	U of M
Ray Anderson	Hayes Contractors
*George Klein	Hayes Contractors
Jim Culligan	Premier Electric
*John Bellair	Premier Electric
Dick Hendricks	U of M - Physical Plant
██████████	██████████
*Greg Kujawa	U of M
Richard J. Carlson	HSAE
*Duane Blanchard	HSAE
*John Scott	TAC
O. W. Hughes	U of M
*Felix Hernandez	Mosler
Steve Greene	U of M
Jack Frerichs	Wm. Poppenberger & Son
*Tyrone Berg	Wm. Poppenberger & Son
John Roettger	Sheehy
Pat Whalen	Sheehy
Ken Fick	Sheehy

*Not Present

MAILING ADDRESS: P.O. BOX 3570 (55165)

REVIEW OF MINUTES:

✓46. Fick - I still do not have the keying requirements for the metal lockers.

✓Swanson - I will give them to you before this meeting is over.

✓61. Fick - Is the matter of the lifting hooks for the precast slab covers over the unit 'A' airshaft resolved yet?

✓Roettger - We are in the process now of having our miscellaneous metal supplier furnish special lifting devices which will work to accomplish this job. Our supplier should be paid for the devices he is making.

✓Carlson - Please make a sketch of what you are doing and give that and the cost to the U field office for review.

✓50. Roettger - It is still uncertain when the acoustical pads will be put in place on the 11th and 12th floors.

Campbell - The schedule currently shows pads going in after the following items are done: Fire management, surgical lights, temperature control, resilient floors and other finished items. Testing on all systems must be completed for leaks.

✓Anderson - The system cannot be filled until the pumps are here. We have no commitment from Waldorf Pumps and we need considerable help from some source to get the pumps here. DEL. MAY 23, 1977 ?

Kogl - I would like to see the pad installation held until the very last.

Frerichs - Everything then will be pushed back. We will give a schedule of the number of days to complete each floor for pad installation.

Carlson - There is a letter out to use insulation in place of lead as a sound shield. This will not work in all places.

Frerichs - We are preparing a list now showing the areas on the 11th and 12th floors where we will be doing this.

Carlson - The owner's field personnel will have to coordinate this for any possible code violations.

- ✓ Mellum - An example is the ~~surgical~~^{recessed} lights on the 11th floor.
- ✓ Kogl - Identify the problems and meet to solve them.
- ✓ Fick - How can we finish on time according to our contractual requirements when we have to wait for things over which we have no control such as media resources, fire management, the telephone company, and so forth? This waiting hurts us for clean up and overhead go on and on.
- ✓ Kogl - We had not intended to hold you but it is possible. Do your final clean up and we will punch out without the acoustical pads in place. Pads can be put in later. The owner cleans up prior to his occupancy anyway.
- ✓ Frerichs - Will we be in occupied areas then?
- ✓ Kogl - No
- 65. Roettger - I gave a list of the contract access panels we have on hand to Jim Hastert.
- 66. Roettger - The mezzanine structural slab on the west building will be poured in its entirety on Monday.
- ✓ 69. Hughes - Room 361 in the west is still not completely resolved.
- ✓ Carlson - Herman has the problem now.
- ✓ Swanson - We will have a meeting on the affected ^{area} on Tuesday.
- ✓ Roettger - The ceiling in the area is not removed according to the existing plans.
- ✓ Hughes - The ceiling is on the 1st floor and it will need to be removed.
- ✓ Carlson - I will talk to Bob Nielson about it.
- ✓ 70. Carlson - We need the price from the mechanical for Mod. 114 which adds drains in the plaza area.
- ✓ Roettger - The added drains seem to be in the wrong place.

✓Hughes - Fred didn't say anything about this but I will call him.

✓Hastert - This area will never be completely dry.

✓Kogl - I will look at it for proper drainage. The Modification was made to save money but newly discovered existing conditions may prevent this.

✓71. Hendricks - Bob Nielson called to say he would review the heat shield problem.

✓Roettger - Can the holes in the ceiling of that area of the 'A' Building be replastered now?

✓Anderson - I will check on this and see.

NEW BUSINESS:

✓74. Fick - Is there a Modification coming out to change the six pound lead to nerverstral in the janitor receptor and shower areas?

✓Hughes - We gave the go ahead for this.

✓75. Fick - The specifications call for 16 gauge metal painted inserts to be secured onto the doors of the undercounter Loudon refrigerators in order that the color of the refrigerator door matches the adjacent casework surfaces. We can apply the inserts but as an option it may be a better job to field paint these refrigerator doors with primer and paint material supplied to us by Hamilton Industries so that the color will be exactly the same as their casework. My question is does either the owner or the architect have any past experience to fall back on in this regard in order to know which is the better way to do this job. - USE FACTORY PAINT OR FIELD PAINT

✓76. Fick - We were authorized by a Field Memo to add a cycle of 9 inches of vacuum to the general purpose sterilizer #S-217. Please issue the Modification to cover this.

✓77. Roettger - We need a decision on the equipment in the ceiling of rooms 150 and 149 on the 11th floor so that we can plaster.

✓Hastert - Nielson has the problem now, there seems to be too much in one area.

- ✓ Carlson - The ventilation contractor is to modify the hood.
- ✓ Roettger - The details show the hooks to go into the plenum.
- ✓ Carlson - We will check out the locations with the owner.
- ✓ Roettger - We need this matter resolved by next Tuesday.
- ✓ 78. Anderson - We need considerable help to pressure our pump supplier on delivery. We have tried every method we know of. The supplier is Anderson-Peerless Pump.
 - ✓ Fick - The mechanical engineer should be contacted to help with this.
 - ✓ Kogl - Let's have Wilcox go to Klein and then to the supplier to put on pressure.
 - ✓ Anderson - The domestic pumps are in town. It is the circulating pumps we need.
- ✓ 79. Hendricks - Anderson do you have the information on the flow meter from Hastert?
 - ✓ Hastert - I have not gone over it with him yet.
- ✓ 80. Hendricks - When can we open Delaware Street? The traffic in 'A' Unit is a problem.
 - ✓ Roettger - The precast roof slabs over the airshaft are holding this up.
 - ✓ Kogl - I gave a plan to the ^{U/M} electrical. ~~U PT.~~
- ✓ 81. Mellum - We need better clean up. Equipment is being damaged by insulation, and sheet metal and other items being stored against. The equipment is not properly protected.
- ✓ 82. Fallon - How is keying in the cores being handled?
 - ✓ Hendricks - Who will handle this?
 - ✓ Culligan - In the past we got the key when we needed it from the construction superintendent.

Spring Work Schedule

4-27-77

Apr 27-77

P. LATH. 2ND F. CEIL

S. PAINT. HEDS. STAIRS

P. DRYWALL. 9TH FL

LM. CONCRETE. 2ND FLOOR

P. TAPE. STAIRWAYS

J.B. COMP. TRIMM. HALLS

Apr 28-77

S. PAINT. WALL. H+E-TURN

P. 5-2043. CEIL. 8TH FLOOR

S. SCAFF. COMPON 10TH

BR. SCAFFOLD. CASE. 4TH FL

P. LEAD. 9TH FL. STAIR

* P. CEIL. METAL F. 10TH-11-7

Apr 29-77

S- 1-5053 - ST S-AS PAINT-Metal Frame

P. PAINT H. OUT-WALLS - 4TH FL

Call in to Dept. - MACH. 5-10-1577

May 1-77

S- 1-5054 - PAINT COL-ODMIR

S- 1-5055 - WALLS - SCAFF. ^{S-26} 10TH FL

WASS DECKE.

WP. SCAFFOLD. 5-26

S-5512. CERAMIC TILE

DECISION - HALL TO 2ND FLOOR

S- 11000 PAINT METAL CASE - CALL

APR 5-11-77. D.F.T. - 1-11-77

May 2-77

P. PLASTER. 2ND F. CEIL

BR. CONCR. 3-1-2-4-6-8

PAINT. HALLS. ST-7

H.H. CONCRETE. 10TH FL

May 3-77

P. SCAFFOLD ON 9TH FL.

PAINT. FLOOR 11TH FL

PAINT. FLOOR. 1ST FLOOR

S-5511 TRIMM. - 5-11-77

May 4-77

P. TAPE. 9TH FL

S- 11000

May 5-77

P. LATH. 11TH FLOOR

P. LEAD. 2ND & 10TH FLOOR

H.H. TRIMM. SYSTEM

MEX - G. Y. Sun Tower

Premier Work Schedule
 April 28 - May 5, 1977

Work Item

7-4437	Branch Conduit - Ceiling	9 th Floor
7-4537	Branch Wire	9 th Floor
5-5021	RECESSED FIXTURES	11 th Floor
5-5039	RECESSED FIXTURES	9 th Floor
7-5721	FIRE ALARM WIRE	11 th Floor
7-7537	Surgical Light Supports	9 th Floor
7-7537	Surgical Light Supports	2 nd Floor
7-7537	Surgical Light Supports	1 st Floor
7-7537	Branch Conduit - Ceiling	1 st Floor
7-7537	RECESSED LIGHTING	2 nd Floor
7-7537	Plaster Ceiling	9 th Floor
7-7537	Temp. Control Piping in	9 th Floor
7-7537	Branch Conduit - Walls	9 th Floor
7-7537	INSTALL LIGHT FIXTURES SURFACE	9 th Floor
7-7537	Feeder wire Connections	1 st Floor
7-7537	Branch Conduit - Perimeter Walls	1 st Floor
7-7537	Motor Conduit - Unit 1:	Basement
	(Complete Transformer panel) Connections	Corridor, 1 st Floor
	(Install Feeder Conduit from panel)	11 th Floor
	To Run Trough Above Ceiling in Radiology Rooms	1 st Floor

Plumbing

- 1.) 4-2123 - 4-2178 All cores 10-15
- 2.) 8-0415 - Horiz. Rough-in stacks 1-6 15th FL.
- 3.) Sleeve + insert as necessary.
- 4.) in wall work on 9th Floor.
- 5.) 6-0404 Horiz. Rough-in Base. west.
- 6.) 8-0403 Horiz. Rough-in Basement stack 4-6.
- 7.) 8-0404 " " " " " 7-9.
- 8.) Hook up H.W. Heaters 15th Floor.
- 9.) Changing Lines For the M.T.S. system.

Heating

- 1.) Sleeve + insert as necessary
- 2.) 4-2423 - 4-2478 All cores 10-15
- 3.) 7-1415 - Horiz. Rough-in 15th Floor.
- 4.) 8-1403A - Heating mains Basement.
- 5.) 8-1410A - " " 10th Floor.
- 6.) 8-1410B - Strands + Equipment 10th Floor.
- 7.) 8-1415A - Heating mains 15th Floor.
- 8.) 7-1434 - Horiz. Rough-in - 14th Floor.
- 9.) 7-1453 - " " " 13th Floor.
- 10.) 8-1403B. Strands + Equipment - Basement

Sprinkler

- 1.) Unit "A" cooling towers
- 2.) 8-1603 Horiz. Sprink Basement
- 3.) 8-1610 - " " 10th Fl. Complete
- 4.) 5-5612 Finish - 12th Fl.

Pipe Covering

- 1) 5-1839 - Pipe Covering - 9th Floor.
- 2) 5-1848 " " - 8th Floor.
- 3) 5-1864 " " 4th Floor.
- 4) 8-1803 " " Base. Equip. Room

Sheet Metal

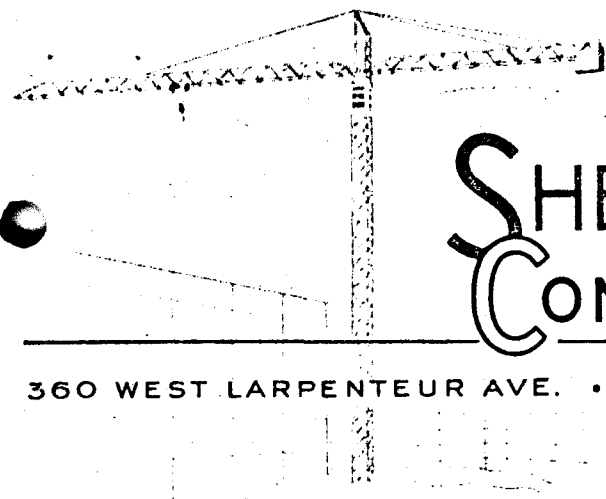
- 1) 4-1423 - 4-1478 Cores 11-15
- 2) 5-0639 - Horiz. duct work 9th Fl. Complete.
- 3) 6-0619 - Horiz. duct stack 8 - 1st Fl.
- 4) 6-0628 - " " Stacks 8+9 2nd Fl.
- 5) 8-0603 - Basement
- 6) 8-0604 - "
- 7) 8-0606 - "
- 8) 8-0609 - 10th Fl. Equip. Room
- 9) 8-0610 - " " " "
- 10) 8-0615 - 15th Fl. Equip. Room

ID.	DESCRIPTION	CONTR	ISSUED	COMMENTS
51-P*	Floor sleeves to alleviate spilled or over-plow liquid migration between floors	General Electrical Mechanical	9/1/76	Electric Contractor
55-A*	Revise certain features of the work in 1st floor west areas rooms 1-395 & 1-396	General Electrical- Mechanical	10/4/76	Architect Evaluation
66-P*	Revise provisions for electrically locked unlocked exit devices & electro-magnetic hold	General Electrical	11/10/76	U of M Reviewing
69-P*	Accomodate revised program requirements of the hospital revise a portion of the 2nd fl	General Mechanical Electrical	11/16/76 Revised 3/4/77	U of M Evaluating
72-P*	Revise and clarify temporary electrical service installation	Electrical	12/3/76	U of M Evaluating
73-P*	Improve function of information area rooms 2-161 and 3-89	General Electrical	12/6/76	Contractor to confirm cost of 3rd floor
79-E*	Allow for future variable speed pumping in Unit A secondary chilled water systems complete compatiability between Units A&B/C	Mechanical Electrical	1/10/77	Architect Evaluation
80-P*	Revisions to Electrical specs. & drawings	Electrical	1/10/77	Electric to requite
83-P	Construct new room 6-167 storage for family practice 6th floor use modification	Electrical General Mechanical	1/10/77	Reject 4-29-77
85-P*	1st floor east power revisions in various rooms	Electrical	1/10/77	Time & Material
87-P*	Revisions - see modification	Electrical	1/10/77	Time & Material
88-P*	Refer to mod. & Electrical drawing sheet E-24 for revisions	Electrical	1/10/77	Time & Material

NO.	DESCRIPTION	CONTRACT	ISSUED	COMMENTS
94-P*	Modifying rooms 11-107, 108, 108A, 109 and 110	Mechanical General Electrical	2/9/77	Mechanical for structure
96-P*	Change a portion of room 8-140 into rooms 8-81, 162, 163, and 165	General Mechanical Electrical	2/11/77	U of M to evaluate
97-P*	Revise room 1-192	General Mechanical Electrical	22/11/77	Mechanical Contractor for signature
98-P*	Revises toilet room 1-103--see modification	General Mechanical Electrical	2/25-77	Architect Evaluation
99-P*	Adding F.E. cabinet in basement	General	2/25/77	Processing
101-P*	Omit concealed soap dispensers in exam rooms	Mechanical	2/25/77	Architect Evaluation
✓102-P*	Increase the light level and rendition in exam, par, and treatment rooms	Electrical	2/25/77	U of M Evaluation
103-P*	Furnish padlock hasps on lockers in certain rooms--see modifications	General	2/25/77	Processing
104-P*	Omit sprinkler heads which interfere with operation of power files--see modifications	General Mechanical	2/25/77	Architect Evaluation
105-P*	Modify a portion of the 7th floor link for cart storage	General Mechanical Electrical	2/25/77	Electric Contractor to Quote
106-A*	Cost reduction, controls simplification	Electrical	3/8/77	Architect Evaluation
107-P*	Omit all automatic air vents and 3/4" unions specified to be installed on top of all hydronic supply and return risers	Mechanical	3/9/77	Architect Evaluation

()	DESCRIPTION	CONTR	ISSUED	COMMENTS
108 *	Omit all flanged spool pieces	Mechanical	3/9/77	Architect Evaluation
109-A	Omit the air blenders specified for the 100% outside air units	Mechanical	3/9/77	Mechanical to Quote
111-P*	Modify the rooms 2-57, 2-58 and portions of the existing adjacent Mayo Hospital	General Mechanical Electrical	3/9/77	Mechanical to Quote
114-E*	Revises 2nd floor west plaza drainage system part of mod. 47-P	Mechanical	3/8/77	Architect Evaluation
✓ 120-P	Revise the admitting/cashier office area on Floor 2	General Mechanical Electrical	3/25/77	General to Quote Mechanical to Quote Electric to Quote
✓ 121-P	Intrusion System	General Electrical	4/8/77	General to Quote Electric to Quote
122-P*	Modify portions of Room #232, 1-235, 1-240, 1-242	General Electrical	3/23/77	General to Quote Electric to Quote
123-P*	Modify the Unit B/C Plaza substrate Design	General	3/25/77	General to Quote
124-E	Modify the Unit B/C Roof insulation and built-up roofing	General	3/25/77	Contractor for Signature
125-P	Modify elevator #11 in Unit A	General Mechanical Electrical	3/24/77	General to Quote Electric to Quote
126-E	Modify the provisions for air conditioning of room 3-75 in accordance with modification	General Mechanical Electrical	3/30/77	Mechanical to Quote
127-A	Modify Panel Heating System 1st floor Unit 1-269	General Mechanical	3/29/77	Mechanical to Quote

NO	DESCRIPTION	CONTR	ISSUED	COMMENTS
128-A	Mod. conditions at Stairs 'G' in Mayo Hospital	General Mechanical	3-29-77	Time & Material Mechanical Architect Evaluation
129-P	Revisions to finished areas floor 9	General Mechanical Electrical		General to Quote Mechanical to Quote Electrical to Quote
130-A	Install 200 amp 3 pole non fuse Disconnect switch controller elevator 4,5,6	Electrical	4-12-77	Electrical to Quote
131-P	Revise Equipment M550 Nourishment station	General Electrical	4-22-77	Electrical to Quote
132-P	Install observation window between rooms 2-108 & 2-109 and revise ceiling plan in area	General Electrical	4-29-77	General to Quote Electrical to Quote
133-P	Provide Mirrors 24" 60" Room 1-301, 1-302, & 1-303	General	4-8-77	General to Quote
136-A	Auditorium Seating revisions	General Electrical	4-14-77	General to Quote Electrical to Quote Time & Material
137-A	Substitute mason industry floating floor system	General	4-17-77	FINAL
138-P	Revises rooms 8-110, 111, 113 See Drawing	General Electrical	4-19-77	Electrical to Quote General to Quote
139-A	Revise the location of service sink 1-78	General Mechanical	4-20-77	General to Quote Mechanical to Quote
140-P	Install an observation window between consultation room 4-103, 4-104	General		General to Quote
141-P	Electrical work for M16	Electrical	4-28-77	Electrical To Quote



SHEEHY CONSTRUCTION COMPANY

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MINUTES OF JOB MEETING UNIT B/C #64
MAY 5, 1977

PEOPLE IN ATTENDANCE:

*Gene Kogl	U of M
R. Magnuson	Westinghouse Elevator
Dick Hendricks	U of M - Physical Plant
Joe McCormick	U of M
Ray Anderson	Hayes Contractors
*George Klein	Hayes Contractors
R. P. Campbell	Campbell & Company
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*John Patterson	TAC
Greg Kujawa	U of M
 	U of M
Paul Maupin	U of M
O.W. Hughes	U of M
Steve Greene	U of M
*Felix Hernandez	Mosler
Tyrone Berg	Wm. Poppenberger & Son
Jack Frerichs	Wm. Poppenberger & Son
Bob Nielsen	HSAE
Jim Fallon	U of M
*Paul Kopietz	U of M
John Roettger	Sheehy
Pat Whalen	Sheehy
Ken Fick	Sheehy
Rich Sievers	Honeywell
Herb Zeller	TAC
Don Nelson	Mech. Data Corp.

* Not Present

MAILING ADDRESS: P.O. BOX 3570 (55165)

CORRECTIONS TO MINUTES:

50. Mellum - An example is the recessed lights (rather than surgical) on the 11th floor.

Hughes - Kogl did not intend that media resources will hold up the acoustical pads. One problem in Unit 'A' was construction crud on top of partition walls such as taping mud, plaster, and so forth that should have been cleaned up in the contractor's general clean up.

80. Mellum - This should read that the plan was given to the University Electrical Engineering Department.

REVIEW OF MINUTES:

61. Roettger - I am making a sketch of the lifting hook arrangement for the precast slab covers over the unit 'A' airshaft and will give this to Dick Carlson.

50. Fick - Is there any accurate shipping date yet for the five pumps Hayes is waiting for from Waldor Pump and Equipment Company?

Anderson - The shipping date has been moved back from April 27th to May 27th.

Roettger - Will that affect us?

Anderson - This means no water from the 10th to the 15th floors.

Fick - How about the owner's field personnel arranging for a letter from the President of the University to the proper people?

Hughes - I will check with Paul Kopietz on that.

70. Anderson - All work in connection with the plaza drains is finished now including Mod. 114.

Hughes - Still no word yet from the University roofing engineer concerning the location of the drains.

75. Fick - Is there any further comment on the 16 gauge metal painted inserts which we have to apply to the doors of the undercounter refrigerators?

Carlson - We prefer that this be done one way or another in the factory since the paint would then be baked enamel which we prefer rather than to have the doors field painted.

76. Fick - We are still waiting for the Mod. to be issued to cover the addition of a cycle of nine inches of vacuum to the general purpose sterilizer S-217.

* Carlson - We are waiting for the letter of authorization from the owner's planning office.

80. Roettger - As soon as the hooking apparatus comes from our miscellaneous metal supplier, we will install and set the precast concrete roof slabs over the airshaft so that Delaware Street can be prepared to be opened.

Carlson - We need the price as well as the sketch for this work.

82. Hughes - The general contractor will handle the keying in the cores.

NEW BUSINESS:

83. Fick - We received from HSAE today additional instructions which are to become a part of preliminary modification No. 121. We need to consider this additional information before we can submit this Mod.

Carlson - This information adds one door to the intrusion system and clarifies the shutters on the upper floors and other miscellaneous information.

84. Fick - The Ray Proof shop drawings have now been in for final approval for six weeks. We need them back promptly.

Carlson - HSAE has a meeting with the owner tomorrow. The shop drawings should be released after that meeting. There are a few changes needed.

85. Roettger - We must have better protection of finished items of material and equipment on the job. Examples are the Hamilton casework and the perimeter radiation enclosures.

Hastert - I suggest that you put notices out on all floors advising all tradesmen that these items are finished materials so that they will take precautions to protect them.

86. Hendricks - I don't like plywood behind data gathering panels. Either mount to the unistrut or put blocking in the walls directly. The Unit 'A' airshaft will be done today.

Culligan - If the roof flashing is complete on the high roof, we will have the lightning protection installed.

87. Magnuson - When will Brandt-Airflex start on the escalator guardrails? I believe they are one month behind.

Roettger - This work will start this coming Monday.

88. Campbell - We have a new print out now. Will you all examine it and let us know of any problems. We need the impact of modifications on the schedule.

Fick - How can we do this when there are so many modifications outstanding and we do not know which ones will be approved?

89. Hughes - There will be a meeting on Mayo Hospital on service outages, gas, electrical, water and sewer in regard to M.T.S. The problems with M.T.S. can now be handled with Al Marchese according to Felix Hernandez.

Campbell - We need the schedule on the west area from M.T.S.

90. Swanson - Room 1-361 West will remain the same size. Lower the ceiling and shorten the cabinets.

91. Carlson - We need the quotation from the general contractor on the matter concerning the insulation of the air chambers. We will review the 12th floor ceiling after meeting with Greene and Poppenberger personnel.

92. Nielsen - I wish to know from Hayes what is the status of the pumps. Which ones are not here?

Anderson - I will give you this information after the meeting.

Neilsen - We need the wiring diagrams on the medical gases.

Anderson - We will get them for you.

93. Hendricks - We have a broken window on the 8th floor of Unit 'A' which needs replacement.

Roettger - We will take care of this.

94. Hughes - There will be a meeting following this one concerning ceiling diffusers, insulation, lead, in order to get the problems resolved. I request that Jim Hastert, Wally Mellum, Steve Greene and the Poppenberger personnel met with me.

Roettger - There is a problem with the diffusers, the mechanical has to add reducers.

Frerichs - The mechanical gave us those cases.

Hastert - We need records on these decisions. They were made six to eight months ago. They are hard to handle now.

eylinvoks

SURETY WORK SCHEDULE

Mon. 5-1-77

B.R. FORM WALL - TUNNEL & MAYO WEST

SPRINK-REBAR - WALLS

SPRINK. COL. STAIRS

Tues. 5-5-77

H.H. L.S.I. CASEWORK DEL.

S. PAINT COL. & WALL

M.S. - U.T. START - 12TH FL

Fri. 5-6-77

P. DAYWALL - 9TH FL. CAMP.

PAINT. BACKFILL - WEST - MAYO

CLEAN UP -

Mon. 5-9-77

P. TAPE - START 9TH

H.H. L.S.I. INSTALL CASEWORK. 12TH

P. MEET PRN. COMP. 11+12

Tues. 5-10-77

P. COMP. PLASTER ON 11TH

M.S. COMP. CERAMIC - 11+12

P. INST. METAL O. HANDS

Wed. 5-11-77

P. STAIRS - START 8TH

P. MET PRN. 9TH + 8TH

Thurs. 5-12-77

M.S. COMP. STAIRS

5-11-77

5-4-77

P. CASE - 8TH FL

S. PAINT AUD. STAIR

J.N. PRIME DOORS 11+12

P. PLASTER - 11TH NOISE!

S. HANG PRN. WALL DOOR

P. LEAD LATH. 11TH LINK NO

S. BL. AIR CH. ST. 11

S. PAINT COL. & WALLS

B.H. CASE LT. 1ST FL

P. SAND & CLEAN UP STAIRS

S. PAINT COL & WALLS

J.N. PRIME STAIRS.

E.F. WILCOX PAINTS

S. PAINT COL & WALLS

P. DAYWALL 1ST FL

Mon. 5-15-77

SAND & COMP. FL. 11TH

Tues. 5-17-77

PUNCH OUT. MEET COMP. PRN.

Pat

Plumbing

- 1) 4-2123 - 4-2173 All cores 10-15
- 2) 3-0415 - Horiz. Rough-in stacks 1-6 15th Fl.
- 3) Sleeve + insert as necessary.
- 4) in wall work on 9th Floor.
- 5) 6-0404 Horiz. Rough-in Base. west.
- 6) 3-0403 Horiz. Rough-in basement stack 1-6
- 7) 8-0404 " " " " " " 7-7.
- 8) Hook up H.W. Heaters 15th Floor
- 9) Changing Lines For the M.T.S. System.

Heating

- 1) Sleeve + insert as necessary
- 2) 7-2423 - 7-2473 All cores 10-15
- 3) 7-1415 - Horiz. Rough-in 15th Floor
- 4) 3-1403A - Heating Mains Basement
- 5) 7-1410A - " " 10th Floor
- 6) 7-1410B - Stacks + Equipment 10th Floor
- 7) 7-1415A - Heating mains 15th Floor
- 8) 7-1414 - Horiz. Rough-in 15th Floor
- 9) 7-1453 - " " " 13th Floor
- 10) 7-1403B. Stacks + Equipment - 10th Floor

Plumbing

- 1) Unit #1 ceiling leaks
- 2) 3-1603 floor drain - Basement
- 3) 7-1610 - " " 10th Fl. Complete
- 4) 7-1612 - Floor - 12th Fl.

Pipe Covering

- 1) 5-1839 - Pipe Covering - 9th Floor.
- 2) 5-1848 " " - 8th Floor.
- 3) 5-1864 " " 4th Floor.
- 4) 8-1803 " " Base. Equip. Room

Sheet Metal

- 1) 4-1423 - 4-1478 Cores 11-15
- 2) 5-0639 - Horiz duct work 9th Fl. Complete.
- 3) 6-0619 - Horiz duct stack 8 - 1st Fl.
- 4) 6-0628 - " " Stacks 8+9 2nd Fl
- 5) 8-0603 - Basement
- 6) 8-0604 - "
- 7) 8-0606 - "
- 8) 8-0609 - 10th Fl. Equip. Room
- 9) 8-0610 - " " " "
- 10) 8-0615 - 15th Fl. Equip Room

SHEEHY CONSTRUCTION COMPANY

360 WEST LARPEUR AVE. • ST. PAUL, MINNESOTA 55113 • PHONE: 488-6691

MINUTES OF JOB MEETING UNIT B/C #65
MAY 12, 1977

IN ATTENDANCE:

R. Magnuson	Westinghouse Elevator
Wally Mellum	U of M
Ray Anderson	Hayes Contractors
*George Klein	Hayes Contractors
Jim Hastert	U of M
*Don Nelson	Mechanical Data Corp.
Joe Palla	U of M
Joe McCormick	U of M
John S. Rudie	Campbell & Company
*Dick Campbell	Campbell & Company
Bob Nielsen	HSAE
Jim Culligan	Premier Electric
*John Bellair	Premier Electric
Jim Fallon	U of M
*Paul Kopietz	U of M
*Gene Kogl	U of M
 SWANSON 	
Paul Maupin	U of M
O. W. Hughes	U of M
Rich Sievers	Honeywell
*Felix Hernandez	Mosler
Gordon Lindholm	U of M - Physical Plant
Jack Frerichs	Wm. Poppenberger & Son
Tyrone Berg	Wm. Poppenberger & Son
Steve Greene	U of M
John Roettger	Sheehy
Pat Whalen	Sheehy
Ken Fick	Sheehy
*Dick Carlson	HSAE
*Duane Blanchard	HSAE
*John Scott	TAC

CORRECTIONS:

- ✓84. Nielsen: HSAE should read HSPO instead.
- ✓86. Culligan - Panels will be plywood painted with fireproof paint. Unit 'A' has this.

Lindholm - A General & Environmental Services Directive permits no flammable materials in the equipment rooms.

Hughes - University personnel will take this up with the architect.

Roettger - The painter will start on the roof, the flashing is now complete.

REVIEW:

- ✓61. Roettger - Stanley Iron Works will deliver the lifting apparatus for the precast covers over the Unit 'A' airshaft tomorrow.

- ✓50. Anderson - Two of the Peerless pumps have been delivered to Waldor. There are three left to be delivered.

✓Nielsen - I was told that by May 30th all five of the pumps will be here at the jobsite.

- ✓83. Nielsen - Mod. 121 has been cancelled. The cost to date on work already done will be taken care of.

- ✓84. Fick - The Ray Proof shop drawings have now been in for six weeks and I still don't have them back.

Nielsen - The sepia are being printed now and will be available to you by Monday.

- ✓85. Fick - We posted notices in the elevators and on each floor giving notice that the perimeter radiation enclosures are finished materials and should be treated as such. This applies also to the Hamilton metal casework. We again urge all tradesmen to treat these finished materials with due care.

- ✓87. Roettger - The work on the escalator guardrails started this morning.

- ✓88. Rudie - We have no feedback on the new print out which we recently issued.
 - ✓89. Hughes - A Modification will be issued on West area. Hastert is handling outages in Mayo. Al Marchese, John Roettger and myself will meet to get a schedule to Campbell concerning this area.
 - ✓90. Nielsen - A Modification will be issued to lower the ceiling and shorten the cabinets in Room 1-361.
 - ✓94. Roettger - The matter of the ceiling diffusers is not completely settled yet and neither are the lights on the 9th floor. We need answers to these questions daily.
- Greene - Bob ~~Nielsen~~^{SWANSON} and I will take a tour today concerning the lights.

NEW BUSINESS:

- ✓95. Fick - The contract documents show the locations in walls and ceilings for 231 access panels. These 231 we have supplied to the job. Any additional panels must be covered by Modification. The unit prices we submitted to the owner for additional panels were based on quantity usage - not on piece-meal application. We obviously cannot make trips all over town picking up a few panels each time they are needed. A method must be adopted whereby there will be a supply of the proper sized access panels on hand ready to use. I understand the method used on Unit 'A' was functional - why can't the same method be used here?
- ✓Hughes - Hastert is to get an inventory of what was supplied, what is used, and issue an order to stock what we anticipate using.
- ✓Greene - In some cases the 24" panels specified are too large and a smaller size has to be used.
- ✓Fick - Hastert and Palla should give the quantities and sizes to Ty Berg and he can get a supply on hand then.
- ✓Lindholm - We will check to see if the owner has any on hand. We would like to be involved in the placement of access panels. All sharp objects, hangars, pipe must have protection in the equipment rooms.

Nielsen - The specifications call for this.

- ✓96. Roettger - The lead lath in the X-ray rooms on the 1st floor can begin to be installed on Monday or Tuesday.

Culligan - Our materials for this area will be delivered tomotrow.

- ✓97. Hughes - This refers to the plaza drains including the work covered by Modification 114 which has now been completed. The University Roofing Engineer sees no problem with the quantity and location of drains due to the type of materials used.

Plumbing

- 1.) 4-2123 - 4-2178 All cores 10-15
- 2.) 8-0415 - Horiz. Rough-in stacks 1-6 15th Fl.
- 3.) Sleeve + insert as necessary.
- 4.) in wall work on 9th Floor.
- 5.) 6-0404 Horiz. Rough-in Base. west.
- 6.) 8-0403 Horiz. Rough-in Basement stack - 4-6.
- 7.) 8-0404 " " " " " 7-9.
- 8.) Hook up H.W. Heaters 15th Floor.
- 9.) Changing Lines For the M.T.S. system.

Heating

- 1.) Sleeve + insert as necessary
- 2.) 4-2423 - 4-2478 All cores 10-15
- 3.) 7-1415 - Horiz. Rough-in 15th Floor.
- 4.) 8-1403A - Heating mains Basement.
- 5.) 8-1410A - " " 10th Floor.
- 6.) 8-1410B - Stands + Equipment 10th Floor.
- 7.) 8-1415A - Heating mains 15th Floor.
- 8.) 7-1434 - Horiz. Rough-in - 14th Floor.
- 9.) 7-1453 - " " " 13th Floor.
- 10.) 8-1403B. Stands + Equipment - Basement

Sprinkler

- 1.) Unit "A" Cooling towers
- 2.) 8-1603 Horiz. Rough-in Basement
- 3.) 8-1610 - " " 10th Fl. Complete
- 4.) 5-5612 Finish - 12th Fl.

Pipe Covering

- 1) 5-1839 - Pipe Covering - 9th Floor.
- 2) 5-1848 " " - 8th Floor.
- 3) 5-1864 " " 4th Floor.
- 4) 8-1803 " " Base. Equip. Room

Sheet Metal

- 1) 4-1423 - 4-1478 Cares 11-15
- 2) 5-0639 - Horiz. duct work 9th Fl. Complete.
- 3) 6-0619 - Horiz. duct stack 8 - 1st Fl.
- 4) 6-0628 - " " STACKS 8+9 2nd Fl.
- 5) 8-0603 - Basement
- 6) 8-0604 - "
- 7) 8-0606 - "
- 8) 8-0609 - 10th Fl. Equip. Room
- 9) 8-0610 - " " " "
- 10) 8-0615 - 15th Fl. Equip Room

132 P. 136 P. 138 P 140 P

STANDARD WORK SCHEDULE

5-10-77

Wed. 5-11-77

- S. 1-5055. WALLS - MEZZ
- 5-5521 - INSTALL CASEWORK - 12TH FL
- R.K. CERAMIC TILE

Thur. 5-12-77

- BA 5-2856 - BND EXC. 6TH FL
- P 5-3521. PLAST. CEIL. 11TH FL
- P. TANK - 9TH FL

Fri. 5-12-77

- S 1-6115 - POUR WALLS - KE T4N 2ND POUR
- BA 5-2464. METL SOFFIT - 4TH FL
- P 5-4012 - LEAD COMP. 12TH

Mon. 5-15-77

- BA 5-1864. PIPE COV - COMP 4TH
- P 5-3522 - PLASTER 2ND FL CEIL.
- P. 3RD - FLOOR CLEAN

Tue. 5-16-77

- S. 1-6116 KE ROOF SLAB 1ST POUR
- SC. 6-1432 - HORNED DUCT - 3RD FL
- E.E. WILCOX PANELS -

Wed. 5-17-77

- 5-9012. Papered Around CEIL
- P. COMP. METL PANS - 11TH FL

Thur. 5-19-77

- 5-3815 - INT CER. 1ST FL S-39
- START 9:45 P - 11TH FL

SAND. ST. STEEL. 1ST FL.

- P. WE NEED CEIL BO FOR SR. FIT
- S. HANG WOOD DOORS - 11 & 12TH
- P. MET. PANS - 8TH FL

SANDERS - PRECAST. AIR CH - ST. 7

- P. COMP. DRYWALL - 9TH FL
- P. COMP MET PANS. 12TH FL
- BA. CODE LT. 1ST FL

PART. BACKFILL WEST

- P. 6-4202. STAIRS - 1ST O-6
- AS 5-5412. RECI FL - 12TH
- BA. PAIR AT ESCALATOR

- P. START DRYWALL - 1ST FL ST C
- P. ALL STAIRS. BOI FOR PAINT
- BOJ. 1ST FLR - FORM

- S. BEAM BOTTOM - ST STEEL
- P. S. CLEAN - ROOF CEIL - 12TH FL

Fri. 5-20-77

- 5-3848. INT. CEIL. 5TH FL
- 5-4637. LEAD. COMP - 11TH

Mon. 5-23-77

- S. POUR. 1ST FL. ST. SLAB

Tue. 5-24-77

- S. COL & WALLS - WEST

NO.	DESCRIPTION	CONTR	ISSUED	COMMENT
59-P*	Floor sleeves to alleviate spilled or over-flow liquid migration between floors	General Electrical Mechanical	9/1/76	Electrical Contractor to Quote
55-A*	Revise certain features of the work in 1st floor west areas rooms 1-395 & 1-396	General Electrical Mechanical	10/4/76	Architect Evaluation
66-P*	Revise provisions for electrically locked unlocked exit devices & electro-magnetic hold	General Electrical	11/10/76	U of M Evaluation
72-P*	Revise and clarify temporary electrical service installation	Electrical	12/3/76	U of M Evaluation
73-P*	Improve function of information area rooms 2-161 and 3-89	General Electrical	12/6/76	Contractor for Signature
79-P*	Allow for future variable speed pumping in Unit A secondary chilled water systems complete compatibility between Units A&B/C	Mechanical Electrical	1/10/77	Architect Evaluation Copy of Mod.
80-P*	Revisions to Electrical specs. & drawings	Electrical	1/10/77	Electrical ^{to} Quote
86-P*	1st floor east power revisions in various rooms	Electrical	1/10/77	Time & Material
87-p*	Revisions - see modification	Electrical	1/10/77	Time & Material
88-P*	Refer to mod. & Electrical drawing sheet E-24 for revisions	Electrical	1/10/77	Time & Material
91-P*	Change a portion of room 9-133 into rooms 9-132, 133, and 134	General Mechanical Electrical	2/11/77	U of M Signature

Q.	DESCRIPTION	CONTR	ISSUED	COMMENTS
9-PA	Revises toilet room 1-103 - see modification	General Mechanical Electrical	2/25/77	Contractor for Signature
101-PA	Omit cancelled soap dispensers in exam rooms	Mechanical	2/25/77	U of M Signature
104-P*	Omit sprinkler heads which interfere with operation of power files - see modification	General Mechanical	2/25/77	Architect Negotiation with Mechanical
105-P	Modify a portion of the 7th floor link for cart storage	General Mechanical Electrical	2/25/77	Electrical Contractor to Quote
106-A*	Cost reduction, controls simplification	Electrical	3/8/77	Architect Evaluation
107-P*	Omit all automatic air vents and 3/4" unions specified to be installed on top of all hydrolic supply and return risers	Mechanical	3/9/77	Mechanical to Quote
108-E	Omit all flanged spool pieces	Mechanical	3/9/77	Mechanical to Requote
109-A	Omit the air blenders specified for the 100% outside air units	Mechanical	3/9/77	Mechanical to Requote
110-P	Modify the rooms 2-57, 2-58 and portions of the existing adjacent Mayo Hospital	General Mechanical Electrical	3/9/77	Mechanical to Requote
114-PA*	Revises 2nd floor west plaza drainage system part of mod. 47-P	Mechanical	3/8/77	U of M Evaluation
115-PA	Revises the admitting/ambulance office area in Mod. 2	General Mechanical	3/25/77	General to Quote Mechanical to Quote

Item	Description	Cont'd	Issued	Comments
122-P	Modify portions of Rooms 1232, 1235, 1-240, 1-242	General Electrical	3-23-77	Electrical to Quote
123-P	Modify the Unit B/C Plaza substrate Design	General	3-25-77	General to Quote
125-P	Modify elevator #11 in Unit A	General Mechanical Electrical	3-24-77	General to Quote Electrical to Quote
126-E	Modify the provisions for air conditioning	General Mechanical Electrical	3-30-77	Architect Evaluation
127-A	Modify Panel Heating System 1st floor west J-269	General Mechanical	3-29-77	Architect Evaluation
128-A	Mod. conditions at stairs 'G' in Mayo Hospital	General Mechanical	3-29-77	U of M for Signature
129-P	Revisions to finished areas floor 9	General Mechanical Electrical		Architect Evaluation
130-A	Install 200 amp 3 pole non fuse Disconnect switch controller elevator 4, 5, 6	Electrical	4-12-77	Architect Evaluation
131-P	Revise Equipment M550 Nourishment station	General Electrical	4-22-77	Architect Evaluation

NO.	DESCRIPTION	CONTRACT	ISSUED	COMMENTS
132-P	Install observation window between rooms 2-108 & 2-109 and revised ceiling plan in 8438	General Electrical	4-29-77	General to Quote Electrical to Quote
133-P	Provide Mirrors 24" 60" Room 1-301, 1-302, & 1-303	General	4/8/77	U of M for Signature
136-A	Auditorium Seating revisions	General Electrical	4/14/77	Architect to Evaluate
138-P	Revises rooms 8-110, 111, 113, See drawing	General Electrical	4-29-77	General to Quote Electrical to Quote
139-A	Revise the location of service sink 1-78	General Mechanical	4/20/77	General to Quote Mechanical to Quote
140-P	Install an observation window between consultation room 4-103, 4-104	General	4-29-77	General to Quote
141-P	Electrical work for NIS	Electrical	4/28/77	Electrical to Quote
142-	NOT ISSUED			
143-E	U of M for Signature			FINAL
144	NOT ISSUED			
145	NOT ISSUED			
146	U of M for Signature			

149-P

Description

Code

Issued

Comments

147

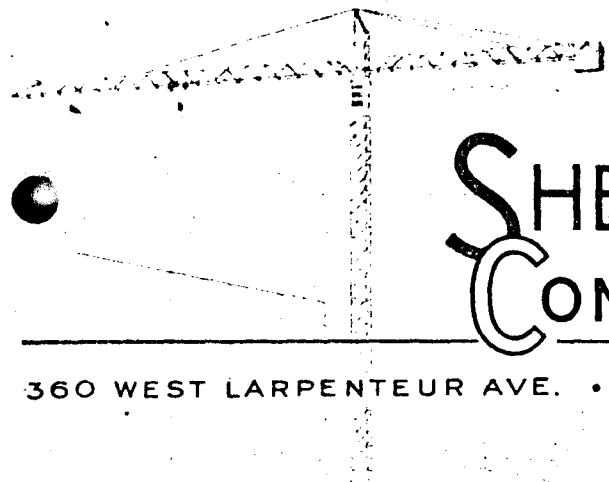
NOT ISSUED

148-A

Contractor for Signature

149-P

General to Quote



SHEEHY CONSTRUCTION COMPANY

360 WEST LARPEUR AVE. • ST. PAUL, MINNESOTA 55113 • PHONE: 488-6691

MINUTES OF JOB MEETING UNIT B/C #66
MAY 19, 1977

IN ATTENDANCE:

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

*Not Present

CORRECTIONS:

- ✓94. Bob Swanson rather than Bob Nielson will be taking the tour with Steve Greene concerning the ceiling diffusers and the lights on the 9th floor.
- ✓50. Anderson - According to the latest information from Waldor, the pumps we are waiting for will be delivered by May 30th. If they make that delivery, there will be adequate time to wire them and we will have no problem.

REVIEW:

- ✓61. ✓Roettger - Stanley Iron Works has delivered the lifting devices for the precast covers over the Unit 'A' airshaft. These devices are to replace the inserts which were cast into the covers at the time they were made. These inserts are inadequate and do not handle the weight.
 - ✓Fick - We will submit the appropriate sketch and cost in a few days.
 - ✓Hughes - This was agreed to before and the paperwork was to follow.
- ✓95. Fick - I suggest that Jim Hastert give Ty Berg a listing showing the approximate quantities and sizes of access panels which Poppenberger should have on hand to supply extra requirements. If there are panels left over, the University or the Contractor can always use them.
- ✓89. Campbell - We have no schedule yet on MTS in the west area.
 - ✓Hughes - This is dependant somewhat on Bob Nielson's layout of the mechanical work.
 - ✓Greene - Al Marchese says that he cannot give his schedule until the pour schedule is received.
- ✓96. Carlson - We still do not have the electrical price for Modification #122 which is the radiation area on the first floor. This Modification is critical.

NEW BUSINESS:

- ✓98. Fick - Modification 98 involves a considerable amount of mechanical and electrical work on the first floor. Our work is minimal and we included nothing in the Mod. for delay. If the work affects the job timewise, Dick Campbell should be made aware of it at once.

- ✓ Campbell - This Mod. should be referred to as an inter face Mod.
- ✓ 100. Fick - We still have problems with clean up by the other prime contractors. We again request that each contractor does his own clean up - otherwise the matter will have to be turned over to the owner.
- ✓ 101. Fick - I am still waiting for a letter from the owner's field office agreeing to the request by Weyerhaeuser that their warranty on their wood doors be waived only insofar as the oversized lites are concerned. Only the doors with lites are affected and the complete guarantee holds except for the oversized lites.
- ✓ 102. Roettger - We will be plastering ^{START THIS WEEK, MAY 31, 1977} next week and there are some equipment and material in the way. These should be covered or moved. The third floor needs a good clean up and all unnecessary materials should be removed.
- ✓ Kogl - The third floor is for short term storage only.
- ✓ 103. Anderson - The fire valve in the Mayo Garage has been replaced.
 - ✓ Roettger - Adolphson & Peterson damaged this valve.
 - ✓ Greene - Lindholm has been informed and checked the replacement.
- ✓ 104. Campbell - The West Area is now showing critical two days behind. The rest of the job is on or ahead of schedule.
- ✓ 105. Carlson - I would like a meeting to follow this one concerning Mod. #55 With Roettger, Fick, and Hughes. There should be very few Mods issued from now on. Mod. #120 is critical and we need the general and electrical prices.
 - ✓ Fick - We should have ours in next week and I hope that the electrical contractor will too.
- ✓ 106. Kogl - After this meeting Herb Zeller from TAC will give all interested people a rundown on Phase II as it stands now and how it will affect the various areas in the building under contract at present.

MODS APPROVED - 1977 - 4th

SHEPHERD WORK SCHEDULE

5-13-77

STRIKE ON - MILLWORK - COUNTERTOPS -

WED. 5-13-77

B.A. SOFFIT - 4TH FL

P. MET PANS. COMP. 11TH

UORM - 5-9012 PUNCH OUT. CEIL - 12TH ^{ABOVE}

R.K. CERAMIC TILE

P. EXT. MET. SOFFITS.

P. 6-3522. START PLASTER 2ND FL

THUR 5-14-77

P. 5-3034. INT. CEIL START 4TH FL

S. 5-3521. WOODWORKS. 11TH

A.S. 5-3421. RES FLR. 11TH

P. MET PANS - COMP. 5TH

B.A. L.T. COVE - 1ST FL

ASSIST. START 1ST FL. STAIRS

FRI. 5-20-77

B.A. PAIR AT ESCALATOR

P. 5-4039. LINO COMP 11TH

P. 5-3521. PLASTER COMP. 11TH

O.B. 6-1432. HORN SECT 3RD FL.

P. 64010 LINO 1ST FL.

J.N. PAINT. EXT. ROOF

MON. 5-22-77

P. 5-3527. PLASTER START. 4TH

E.S. PIPE COV. ROOF.

P. 5-4643. STUDS. 3TH

A.S. 6-3415. RES. FL. 1ST ENDR

P. COMP. STAIRS

P. DRYWALL 4TH FL COMP.

TUE. 5-24-77

P. 6-3315 INT. CEIL. 1ST FL - S. 39 ^{START}

P. 6-4612. DRYWALL 1ST N. L.S

P. TAPER. COMP - 9TH FL

A.S. 6-3420. RES. FL. 2ND ENDR

J.N. PRIME STAIRS

WED. 5-25-77

MON. 5-30-77

UORM PUNCH OUT - CEIL - 11TH ^{ABOVE}

SANDER - COMP. FL. 1ST

THUR 5-26-77

S. PUNK 1ST FL ST SLAB

TUE. 5-31-77

FRI. 5-27-77

P. TAPER COMP 1ST FL

CLEAN UP

P. NEED CEIL BO. (NOW)

John

Plumbing

- 1.) 4-2123 - 4-2178 All cores 10-15
- 2.) 8-0415 - Horiz. Rough-in stacks 1-6 15th Fl.
- 3.) Sleeve + insert as necessary.
- 4.) in wall work on 9th Floor.
- 5.) 6-0404 Horiz. Rough-in Base. west.
- 6.) 8-0403 Horiz. Rough-in Basement stack 4-6.
- 7.) 8-0404 " " " " " 7-9.
- 8.) Hook up H.W. Heaters 15th Floor.
- 9.) Changing Lines For the M.T.S. system.

Heating

- 1.) Sleeve + insert as necessary
- 2.) 4-2423 - 4-2478 All cores 10-15
- 3.) 7-1415 - Horiz. Rough-in 15th Floor.
- 4.) 8-1403A - Heating mains Basement.
- 5.) 8-1410A - " " 10th Floor.
- 6.) 8-1410B - Stands + Equipment 10th Floor.
- 7.) 8-1415A - Heating mains 15th Floor.
- 8.) 7-1434 - Horiz. Rough-in - 14th Floor.
- 9.) 7-1453 - " " " 13th Floor.
- 10.) 8-1403B. Stands + Equipment - Basement

Sprinkler

- 1.) Unit 'A' cooling towers
- 2.) 8-1603 Horiz. Sprink Basement
- 3.) 8-1610 - " " 10th Fl. Complete
- 4.) 5-5612 Finish - 12th Fl.

Pipe Covering

- 1) 5-1839 - Pipe Covering - 9th Floor.
- 2) 5-1848 " " - 8th Floor.
- 3) 5-1864 " " 4th Floor.
- 4) 8-1803 " " Base. Equip. Room

Sheet Metal

- 1) 4-1423 - 4-1478 Cores 11-15
- 2) 5-0639 - Horiz. duct work 9th Fl. Complete.
- 3) 6-0619 - Horiz. duct stack 8 - 1st Fl.
- 4) 6-0628 - " " STACKS 8+9 2nd Fl.
- 5) 8-0603 - BASEMENT
- 6) 8-0604 - "
- 7) 8-0606 - "
- 8) 8-0609 - 10th Fl. Equip. Room
- 9) 8-0610 - " " " "
- 10) 8-0615 - 15th Fl. Equip Room

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 Contractor to Quote
55-A*	Revise certain features of the work in 1st floor west areas rooms 1-395 & 1-396	General Electrical Mechanical	10-4-76	Architect re-evaluation requotation
66-P*	Revise provisions for electrically locked unlocked exit devices & electro-magnetic hold	General Electrical	11-10-76	U of M to evaluate "
72-P*	Revise and clarify temporary electrical service installation	Electrical	12-3-76	U of M Evaluation
79-E*	Allow for future variable speed pumping in Unit A secondary chilled water systems complete compatiability between Units A&B/C	Mechanical Electrical	1-10-77	Contractor for Signature
30-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	Time & Material
87-P*	Revisions - see modifications	Electrical	1-10-77	Time & Material
38-P*	Refer to mod. & Electrical drawing sheet E-24 for revisions	Electrical	1-10-77	Time & Material
104-P*	Omit sprinkler heads which interfere with operation of power files - see modifications	General Mechanical	2-25-77	Mechanical to requote
105-P	Modify a portion of the 7th floor link for cart storage	General Mechanical Electrical	2-25-77	Electrical to Quote
106-A	Cost reduction, controls simplification	Electrical	3-8-77	Contractor for signature

A.O.D.	DESCRIPTION	CONTAINED		COMMENTS
107-E*	Omit all automatic air vents and 3/4" unions specified to be installed on top of all hydrolic supply and return risers	Mechanical	3-9-77	Mechanical to requote
108-E	Omit all flanged spool pieces	Mechanical	3-9-77	Mechanical to requote
109-A	Omit the air blenders specified for the 100% outside air units	Mechanical	3-9-77	Mechanical to requote
111-P	Modify the rooms 2-57, 2-58 and portions of the existing adjacent Mayo Hospital	General Elecrrical Mechanical	3-9-77	Mechanical to requote
114-E*	Revises 2nd floor west plaza drainage system part of mod. 47-P.	Mechanical	3-8-77	Mechanical to requote
120-P	Revise the admitting/cashier office area on floor 2	General Mechanical Electrical	3-25-77	General to quote Electrical to quote
122-P	Modify portions of room 1232, 1235, 1240, 1242	General Electrical	3-23-77	Electrical to Quote
123-P	Mcdify the Unit B/C Plaza substrate Design	General	3-25-77	General to quote
125-P	Modify elevator #11 in Unit A	General Mechanical Electrical	3-24-77	Electrical to Quote
126-E	Modify the provisions for air conditioning	General Mechanical Electrical	3-30-77	Architect evaluation
127-A	Modify Panel Heating System 1st floor west 1-269	General Mechanical	3-29-77	Architect evaluation
129-P	Revisions to finished areas floor 9	General Mechanical Electrical		Architect Evaluation

NO	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
130-A	Install 200 amp 3 pole non fuse Disconnect switch controller elevator 4,5,6	Electrical	4-12-77	Architect Evaluation
131-P	Revise Equipment M550 Nourishment station	General Electrical	4-22-77	Architect Evaluation
132-P	Install observation window between rooms 2-108 & 2-109 and revise ceiling plan in area	General Electrical	4-29-77	General to Quote Electrical to Quote
136-A	Auditorium seating revisions	General Electrical	4-14-77	Contractor for signature
138-P	Revises rooms 8-110, 111, 113, See drawing	General Electrical	4-29-77	General to Quote Electrical to Quote
139-A	Revise the location of service sink 1-78	General Mechanical	4-22-77	General to Quote
140-P	Install an observation window between	General	4-29-77	General to Quote
141-P	Electrical work for MTS	Electrical	4-28-77	Electrical to Quote
142-P	GEN WORK FOR MTS			General to Quote
144-P	Revise portion of 2nd floor to accomodate computer power relay equipment	General Electrical Mechanical		General to Quote Electrical to Quote Mechanical to Quote
145	Provide & install 8" detector Check valve	Mechanical		Mechanical to Quote
147-P	Modify handrail on floor 3 & 4		5-25-77	General to Quote

NO.

DESCRIPTION

CONTR

DATE
ISSUED

COMMENTS

149-P

Provide pre-vac cycle for sterilizer S-217

5-13-77

General to Quote

150

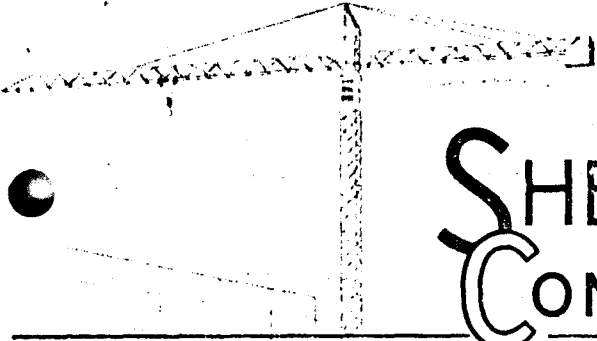
NOT ISSUED

151-E

Install bollards in Mayo garage

General

General to Quote



SHEEHY CONSTRUCTION COMPANY

360 WEST LARPEUR AVÉ. • ST. PAUL, MINNESOTA 55113 • PHONE: 488-6691

MINUTES OF JOB MEETING UNIT B/C #67
MAY 26, 1977

IN ATTENDANCE:

R. Magnuson	Westinghouse Elevator
Jim Fallon	U of M
*Paul Kopietz	U of M
Rich Sievers	Honeywell
Joe Palla	U of M
Wally Mellum	U of M
Joe McCormick	U of M
Paul Maupin	U of M
Ray Anderson	Hayes Contractors
*George Klein	Hayes Contractors
John Rudie	Campbell & Company
*Dick Campbell	Campbell & Company
Jim Culligan	Premier Electric
*John Bellair	Premier Electric
Gene Kogl	U of M
Richard J. Carlson	Richard J. Carlson
Richard J. Carlson	HSAE
*Duane Blanchard	HSAE
*John Patterson	TAC
Greg Kujawa	U of M
O.W. Hughes	U of M
*Dick Hendricks	U of M
*Felix Hernandez	Mosler
Steve Greene	U of M
John Roettger	Sheehy
Pat Whalen	Sheehy
Ken Fick	Sheehy
Jim Lang	Wm. Poppenberger
John Thesenvitz	Wm. Poppenberger
Jim Hastert	U of M
*Dan Nelson	Mechanical Data

*Not Present

MAILING ADDRESS: P.O. BOX 3570 (55165)

CORRECTIONS:

✓61. Hughes - The phrase "Agreed to" should have read acknowledged.

REVIEW:

✓50. Anderson - I have been promised delivery of all of the remaining pumps tomorrow.

✓89. Rudie - We have received nothing yet on the schedule from Al Marchese of Mosler.

✓Roettger - I will talk to Al and see if we can get this information.

✓95. Hastert - I gave John Thesenvitz a list of the suggested size and quantity of additional access panels he should have on hand.

✓Fick - Please give me a copy of this also.

✓96. Carlson - We still do not have the electrical price for Mod. #122. Is there some reason?

✓Culligan - I gave Bellair a list of the critical modifications last Thursday afternoon.

✓Fick - This is merely one of several critical modifications which Premier has not yet submitted. Therefore - due to the system - nothing is being done on them by the owner and architect and we all suffer.

✓104. Rudie - The West Building is two days behind schedule; the rest of the project is stable.

✓105. Carlson - We need both the general and electrical quotations on Mod. 120.

Fick - Mod. 120 will be submitted by us next week.

NEW BUSINESS:

✓107. Fick - We need the color selections for the auditorium seating.

✓Carlson - TAC reviewed them with the owner yesterday and there should be an answer soon.

✓108. Fick - We need a procedure to follow when materials incorrectly fabricated come to the job for erection by us from another prime contractor. In this case I refer to Commerical Steel.

✓108. Fick (continued)

✓The material as affected by Mod. 56 came to the job wrong because neither the owner nor HSAE had Commercial modify their steel to accomodate Mod. 56. As far as we are concerned the owner can pay Sandberg directly. If he choses not to, then we are entitled to willing and prompt cooperation from the owner's field office to resolve such issues quickly.

✓Kogl - When you are spending our money, we want to know about it as early as possible - preferably ahead of the work being done. In an emergency the contractor is to proceed as required by the contract documents - it is a judgement thing.

✓Greene - The Mod. 56 corrective work has been done and Braun Engineering has checked it out. We have tried to be fair on these items.

✓Fick - There are three other similar items now pending with Sandberg where corrective work had to be done on the Commerical Steel. All invoices from Sandberg to us for this type of corrective work will be submitted by us in turn to the owner's field office.

✓109. Roettger - The first floor structural slab on the West Building will be poured tomorrow. The escalator guard rails are suppose to be delivered to the job next Tuesday.

✓110. Roettger - The mechanical and electrical contractors are not keeping up. Sheet rockers and tapers have had to be laid off due to the lack of electrical. The 10th floor air chamber needs to be completed so that we can control humidity in the building. No such work is going on in the basement or the 13th, 14th, and 15th floors. Everyone looks at the schedule and waits - we should be trying to beat it.

✓Fick - It is important that we try to get ahead of the schedule every place we can because many of the Modifications are delaying us in other areas.

✓Anderson - We will energize the Joy fans next week.

✓Culligan - Give us a list of the fans needed now and we will wire those units first.

✓Roettger - Need the lights installed on the 7th floor. Then we can complete the work there.

- ✓ Culligan - We will start installing those tomorrow.
- ✓ Kogl - Hughes and Greene, check mentioned areas out and if more manning is needed, follow through per our procedure.
- ✓ Roettger - A punch out for the above ceiling work was scheduled for May 18, 1977. The reason for this was to establish a procedure to follow and to prepare for the owner's work to follow. The reasons why this was not done are given on page 5 attached.
- ✓ Roettger - We need more cooperation from the owner's field office. We asked for a preliminary inspection so that we are able to correct problems that might keep reoccurring on the other floors.
- ✓ Culligan - We had a preliminary inspection with Mellum. Minor items we are correcting, then we can turn the lights on on the 12th floor if they need to be.
- ✓ Hughes - We will inspect only when substantially complete. If some items are missing and will be a long way off, list these items, and we will inspect and leave those go as a punch list item.
- ✓ Kogl - Roettger's job as coordinator involves scheduling other items as well as the general's items. Our staff comes in only when things get out of hand.
- ✓ Culligan - The last thing on the schedule is the mechanical rooms but if motors and equipment are needed, we will pull wires and get them going.
- ✓ Hughes - I will talk over these matters with the appropriate people and come up with an answer on manning and other problems.
- ✓ Anderson - We are falling behind in some other areas because of concentration on the 11th and the 12th floors.
- ✓ Roettger - No one is working on the 13th, 14th and 15th floors. The materials are there and they have to be put up so that we can get the systems working.
- ✓ 111. Fick - We have been notified that the countertop supplier for all of the LSI plastic laminate casework is on strike. Therefore, the countertops could be a problem depending on the length of the strike.
- ✓ NOTE: The usual meeting on Modifications followed the regular meeting.


SUBJECT:

PUNCHING OUT 12TH FLOOR CEILING.

DATE - WED. 5-18-77

- REASON: 1. GET PREPARED FOR 4 OF M. WORK ABOVE CELL
2. GET PUNCH OUT PROCEDURE DOWN SO WE CAN COMPLETE THE BUILDING.

WHY THIS WAS NOT DONE:

1. MAX NOT COMPLETE ON BOOTS ^{PLEASING READY} 12. BOOTS ^{4/13/77}
2. F.P. TO BE PATCHED - 3 - SPOTS.
3. JIM HASTERT WANTS LITES ON
4. ROGER JOYCE WANTS E-1 CYL IN BLDG. COME BEFORE ENERGIZING
5. Wally McEllison  SEEMED TO STRUGGLE WITH IT
6. JOE MCCORMACK - WANTS PIPE PAINTING DONE
7. OLIVER HUGHES - NO PIPE PAINTING NEEDED
8. STEVE GREENE - YOU ARE NOT READY (NO REAL REASON)

WHY NOT GET SOME COOPERATION FROM THE INSPECTION DEPT.?

WE HAVE ASKED FOR A PRELIMINARY INSPECTION SO WE ARE ABLE TO CORRECT THE WORK BEFORE CLOSING UP THE CEILING.

Safety Work Schedule

Wed. 5-25-77

E.H. SOFFIT HTNFC COMP

P MET PANS. COMP. 8TH

SHANNON. P.P.O.D - 1ST FL WEST

Thu. 5-26-77

S.S. 6-5410. RESIL FL. 1ST EAST

P. PLASTER COMP. 11TH

P. F.R. PATCH. 11+12TH

Fri. 5-27-77

S. 1-5956 POV. 1ST FL. ST. SLAB

J. Comp. Deck & Truss on 11th Fl.

S. U.S. Deck ^{WAY} 8, 10, 12, 14, 15

Mon. 5-30-77

HOLIDAY - MEMORIAL DAY

Tue. 5-31-77

S.S. 6-5410. RESIL FL. CND FL EAST

P. MET PANS. COMP. 9TH

J.R. PRIME. 9TH FL

Wed 6-1-77

P. 5-5512. AC. CEN RD. 12TH ^(U.S.)

J.M. Fins. 12TH FL.

Thu. 6-2-77

P. 24TH - 1ST FL.

J.D. COMP. ESCALATOR RAIL

J.N. - FLOOR COVERING 12TH

P. - DRILLING - 12TH

E.S. - PIPE COOKER. 12TH

P. - TRIMMER - 1ST FL

J.L. - PAINT & ST. 12TH FL.

P.L. - LITES ON. 12TH

P.L. - SICKS ON. 12TH

H.H. - CUSHIONING 11TH

P. - CTR. 2ND FL.

S. - 12TH FL. Comp

P. 6-5542. STAIR RAIL 12TH

SHANNON - COMP. FLOOR 1ST

Fri. 6-3-77

S. - COMP. WOOD JOIST 11TH

Mon 6-6-77

S.S. 5-5410. RESIL FLOOR 12TH

Tue 6-7-77

P. 5-5541. AC CEN RD 12TH

P. LATH ELEC. 12TH

Plumbing

John

- 1.) 4-2123 - 4-2173 All cases 10-15
- 2.) 3-0415 - Horiz. Ravel-in stacks 1-6 15th Fl.
- 3.) Sleeve + insert as necessary.
- 4.) in wall work on 9th Floor.
- 5.) 6-0404 Horiz. Ravel-in Base. west.
- 6.) 3-0403 Horiz. Ravel-in Basement stack 4-6.
- 7.) 3-0404 " " " " " 7-9.
- 8.) Hook up H.W. Heaters 15th Floor.
- 9.) Changing Lines For the H.W. system.

Heating

- 1.) Sleeve + insert as necessary
- 2.) 4-2423 - 4-2473 All cases 10-15
- 3.) 7-1415 - Horiz. Ravel-in 15th Floor.
- 4.) 3-1403A - Heating mains Basement.
- 5.) 3-1410A - " " 10th Floor.
- 6.) 3-1410B - Stands + Equipment 10th Floor.
- 7.) 3-1415A - Heating mains 15th Floor.
- 8.) 7-1434 - Horiz. Ravel-in - 14th Floor.
- 9.) 7-1455 - " " " 13th Floor.
- 10.) 8-1403B. Stands + Equipment - Basement

Sprinkler

- 1.) Unit "A" ceiling towers
- 2.) 3-1603 Horiz. spigot Basement
- 3.) 3-1610 - " " 10th Fl. Complete
- 4.) 5-5612 Finish - 12th Fl.

Pipe Covering

- 1) 5-1839 - Pipe Covering - 9th Floor.
- 2) 5-1848 " " - 8th Floor.
- 3) 5-1864 " " 4th Floor.
- 4) 8-1803 " " Base. Equip. Room

Sheet Metal

- 1) 4-1423 - 4-1478 Cases 11-15
- 2) 5-0639 - Horiz. duct work 9th FL complete.
- 3) 6-0619 - Horiz. duct Stack 5 - 1st FL.
- 4) 6-0628 - " " Stacks 8+9 2nd FL.
- 5) 8-0603 - Basement
- 6) 8-0604 - " "
- 7) 8-0606 - " "
- 8) 8-0609 - 10th FL. Equip. Room
- 9) 8-0610 - " " " "
- 10) 8-0615 - 15th FL. Equip. Room

NO.	DESCRIPTION	CENTR	ISSUED	COMMENTS
51-P*	Floor sleeves to alleviate spilled or over-flow liquid migration between floors	General Electrical Mechanical	9-1-76	Electrical Contractor to Quote
55-A*	Revise certain features of the work in 1st floor west areas rooms 1-395 & 1-396	General Electrical Mechanical	10-4-76	U of M Reviewing
66-P*	Revise provisions for electrically locked/unlocked exit devices & electro-magnetic hold	General Electrical	11-10-76	U of M to evaluate
72-P*	Revise and clarify temporary electrical service installation	Electrical	12-3-76	U of M Evaluation
79-E*	Allow for future variable speed pumping in Unit A secondary chilled water systems complete compatiability between Units A&B/C	Mechanical Electrical	1-10-77	U of M Processing
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	Time & Material
87-P*	Revisions - see modifications	Electrical	1-10-77	Time & Material
9-P*	Refer to mod. & Electrical drawing sheet E-24 for revisions	Electrical	1-10-77	Time & Material
94-P*	Omit sprinkler heads which interfere with operation of power files - see modifications	General Mechanical	2-25-77	Mechanical to requote
95-P	Modify a portion of the 7th floor link for cart storage.	General Mechanical Electrical	2-25-77	Mechanical further breakdown (cart storage) Electrical to Quote
96-A	Cost reduction, controls simplification	Electrical	3-3-77	U of M Reviewing

NO.	DESCRIPTION	CONTRACTED	COMMENTS
107-E*	Omit all automatic air vents and 3/4" unions specified to be installed on top of all hydrolic supply and return risers	Mechanical 3-9-77	Mechanical to requote
108-E	Omit all flanged spool pieces	Mechanical 3-9-77	Mechanical to requote
109-A	Omit the air blenders specified for the 100% outside air units	Mechanical 3-9-77	Mechanical to requote
111-P	Modify the rooms 2-57, 2-58 and portions of the existing adjacent Mayo Hospital	General Electrical Mechanical 3-9-77	U of M HSAE Negotiating with Mechanical
114-E*	Revises 2nd floor west plaza drainage system part of mod. 47-P.	Mechanical 3-8-77	HSAE Negotiating with Mechanical
120-P	Revise the admitting/cashier office area on floor 2	General Mechanical Electrical 3-25-77	General to quote Electrical to quote
122-P	Modify portions of room 1-232, 1-235, 1-240, 1-242	General Electrical 3-23-77	Electrical to Quote
123-P	Modify the Unit B/C Plaza substrate Design	General 3-25-77	General to quote
125-P	Modify elevator #11 in Unit A	General Mechanical Electrical 3-24-77	Electrical to Quote
126-E	Modify the provisions for air conditioning	General Mechanical Electrical 3-30-77	Contractor for Signature
127-A	Modify Panel Heating System 1st floor west 1-269	General Mechanical 3-29-77	Contractor for Signature
129-E	Revisions to finished areas floor 9	General Mechanical Electrical	Architect Evaluation

C.D.	DESCRIPTION	CONTR	DATE ISSUED	COMMENTS
130-A	Install 200 and mp 3 pole non fuse Disconnect switch controller elevator 4,5,6	Electrical	4-12-77	Architect Evaluation
131-P	Revise Equipment M550 Nourishment station	General Electrical	4-22-77	Architect Evaluation
132-P	Install observation window between rooms 2-108 & 2-109 and revise ceiling plan in area	General Electrical	4-29-77	General to Quote Electrical to Quote
136-A	Auditorium seating revisions	General Electrical	4-14-77	U of M Processing
138-P	Revises rooms 8-110, 111, 113, See drawing	General Electrical	4-29-77	General to Quote Electrical to Quote
139-A	Revise the location of service sink 1-78	General Mechanical	4-22-77	Mechanical Requote
140-P	Install an observation window between	General	4-29-77	General to Quote ?
141-P	Electrical work for MTS	Electrical	4-28-77	Electrical to Quote
142-P	General work for MTS	General	5-19-77	General to Quote
144-P	Revise portion of 2nd floor to accomodate computer power relay equipment	General Electrical Mechanical	5-19-77	General to Quote Electrical to Quote Mechanical to Quote
145	Provide & install 8" detector Check valve	Mechanical	5-20-77	Mechanical to Quote
147-P	Modify handrail on floors 3 & 4		5-25-77	General to Quote

DESCRIPTION

CONTR

DATE ISSUED

COMMENTS

149-P

Provide pre-vac cycle for sterilizer S-217

General

5-13-77

General to Quote

150

Not issued

151-E

Install bollards in Mayo garage

General

5-24-77

General to Quote