

JOML Contract 'B'

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JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

SEP 13 1977

KRAUS-ANDERSON JOB NO. 0150

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

JOB PROGRESS MEETING NO. 1
TUESDAY, SEPTEMBER 6, 1977

The meeting opened at 1:30 p.m. with all parties signing register which is attached.

I. PROGRESS OF WORK

- A. Third floor demo will be completed this week, work is starting on second floor. After third floor is completed the removeable floor will be taken out and plumbing and electrical piping and conduit will be removed from dead area. Following, corrufom will be set and the concrete slab will be poured. The area will then be ready for ductwork and plumbing and electrical rough work.
- B. Mech. wants a determination on design problems that come up. All problems will go to Gordon Dahlen who will inform the respective parties. Specific problem on third floor, a duct run hits a steel beam where 12" of additional headroom is needed.
- C. Specific date needed: start of ductwork on third floor.
- D. Casework shop drawings are needed for rough-in on fourth floor-North Jackson. Reference points for fourth floor Jackson North was established by G. Dahlen & Mechanical.
- E. September 22-23 outage set for power turn over for Millard Court. Commonwealth is starting work 9/7/77 (Wednesday).
- F. Gas line at Church St. vault, the present line is 5^o below grade and goes in the area of the new vault. The existing line could be left where it is if encased in concrete in the existing vault, allowing 9'0" for head room.
- G. Schedule submitted reviewed and given preliminary approval. All parties present have been briefed.
- H. On fourth floor the mechanical has run into existing conditions that were not shown or anyone was aware of. These problems are being worked on. This is also true in some basement area.
- I. Jackson North, fourth floor ceiling should be lowered to 8'0" to get below existing lines.

The next meeting is scheduled for Tuesday, September 20, 1977 at 1:30 p.m., Room 4112, Powell Hall.

MEETING @ POWELL HALL

9/6/77 1:30 P.M.

ON: JOML COMPLEX

CONTRACT B

UNIVERSITY OF MINNESOTA

ARNE J. NORDLI

JACK GERETZ

BRUCE JOHNSON

STEVE FREDELL

KARL BENGTSON

MAX SCHNOPP

RAY ANDERSON

JIM KEHOE

OWEN SCHILLING

TOM KYLE

GORDON DAHLEN

GEORGE KLEIN

ROY ANDERSON

KRAUS ANDERSON OF MPLS., INC.

U OF M

H.S.A.E.

U OF M

COMMONWEALTH ELECTRIC

O'BRIEN

HAYES CONTRACTORS

LAMB PLUMBING

LAMB PLUMGING

U OF M (H.S.P.O)

U OF M (RESIDENCE CONST. SUPT.)

HAYES CONTRACTORS

U OF M

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON of MPLS, Inc.
CONTRACTORS & CONSTRUCTION MANAGERS

KRAUS-ANDERSON JOB NO. 0150

ATTENDANCE

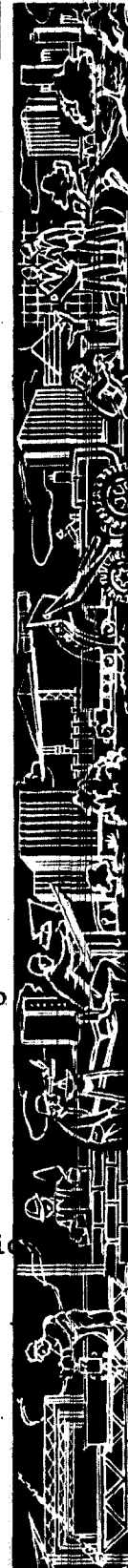
JOB PROGRESS MEETING NO. 4
TUESDAY, OCTOBER 18, 1977

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OCT 18 1977

UNIV. OF MINN.
HEALTH SERVICE
PLANNING OFFICE

U. of M.
Gordon Dahlen
Steve Fredell
Jack Geretz
Dick Hendricks
Thomas Kyle
Commonwealth Electric
Marvin Garbers
K. Bengtson
H.S.A.E.
Bruce Johnson
Hayes
Ray Anderson
Kraus-Anderson
Arne J. Nordli
Byron Yerigan
Lamb Plumbing
Jim Kehoe
O'Brien Sheetmetal
Tim Loth
Max Schnapp



I. REVIEW OF MINUTES OF MEETING NO. 3

1. Gas line at vault to be removed & relocated when excavation is made.
2. New water line must be protected at existing Church Street Vault.
3. All other items informational with no back-up needed.

II. PROGRESS OF WORK

A. General Work Update

1. Court Vault - Demolition done, grade beam being formed, floor slab next, temporary dust partition in place.
2. Church Street Vault - Underpinning half done, complete this week.
3. 4th Jackson - Floor poured, layout complete.
4. 3rd Floor - All demolition done, concrete floor complete except small areas where plumbing revamp will be required. Duct relocation layout to start this week.
5. 2nd Floor - All demolition complete, except raised floors.



II. PROGRESS OF WORK Continued

A. General Work Update

6. 1st Floor - All demolition of partition complete in Owre, Millard will start this week. Some chairs remain to be removed by University, if not removed immediately they will be thrown into dumpsters.
7. Basement - Casework out & dust partitions are up. Cooler not removed yet.

B. Mechanical

1. Cut over of sanitary sewer from Church Street into Jackson has been completed.
2. Water service from Church St. into Jackson has been completed with tie-in to meter completed and tested.
3. Layout of walls and services on the finish floor of Jackson, 4th floor, and piping in the ceiling is now being done.
4. All piping in sub floor spaces of 3rd floor Owre has been removed with the exception of services that have to be rerouted.
5. Piping necessary for rerouting and relocation of water heater in Room 9, Millard vault area has been completed, and we are awaiting a "down time" request to move a hot & hot water circ. line to allow demolition of hole in wall to new vault.
6. We are also presently working on demolition of piping on 2nd floor Owre as needed.
7. We are starting layout of 3rd floor Owre today for mech. services so we may start core drilling.
8. Steamfitter has been removing piping and radiation as needed for demolition and working on relocating steam & return lines for water heater in Room 9, of Millard vault area.

C. Sheet Metal

1. High pressure duct work tests are being run currently. Where are shop drawings for duct work.

D. Electrical

1. Keeping up with progress of job. Third & Second floor piping has been removed. Work to vaults in progress.

III. GENERAL DISCUSSION & NEW BUSINESS

1. Shut downs will require 10*days if it involves the complete building; other shut downs require 2-4 days.
2. Millard Room 9 will have a shut down due to the hot water heater. This is being worked on now.
3. West wall of Millard Room 9 has central control temperature conduit and wiring that should be relocated. Is this a modification item.
4. Third floor Owre relocation of plumbing has not started due to the hesitation of plumber because of variables that could make the price very high. This work could take 2-4 weeks.
5. Sheet metal work in the two vaults will require overseeing by an electrician or possibly creating a temporary partition.
6. Fan location on fifth floor is not identifiable. Need help from architect/engineer. Also duct work extending downward from this fan are not always identifiable.

The next project meeting will be held Tuesday, November 1, 1977, 1:30 p.m. at 411 Powell Hall.

AJN/mla

cc: University of Minnesota
Lamb Plumbing
Commonwealth Electric
Wm Poppenberger & Son
Kraus-Anderson of Mpls., Inc.
Health Sciences Arch. & Eng., Inc.

JOML-Contract 'B'

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UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON of MPLS, Inc.
CONTRACTORS & CONSTRUCTION MANAGERS

KRAUS-ANDERSON JOB NO. 0150

JOB PROGRESS MEETING NO. 5
TUESDAY, NOVEMBER 1, 1977

RECEIVED

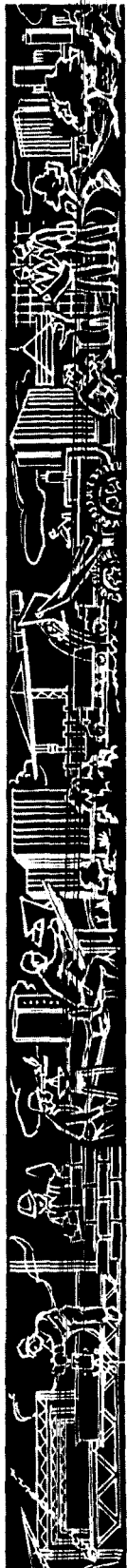
NOV 7 1977

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

ATTENDANCE

U. of M.

- Roy Anderson
- Dick Carothiers
- Gordon Dahlen
- Jack Geretz
- Dick Hendricks
- A. W. Johnson
- Thomas Kyle
- Commonwealth Electric
- Marvin Garbers
- K. Bengtson
- H.S.A.E.
- Bruce Johnson
- Hayes
- Ray Anderson
- Kraus-Anderson
- Arne J. Nordli
- Byron Yerigan
- Lamb Plumbing
- Jim Kehoe
- O'Brien Sheetmetal
- Tim Loth
- Max Schnapp
- Wm Poppenberger & Son
- Clayton Gausman
- Paul W. Abbott Co.
- Duane Tchida



I. REVIEW OF MINUTES OF MEETING NO. 4

1. Cooler will not be moved for some time. General to work around the cooler during the demolition period. This is a inconvenience.
2. Item 3 general discussion. University Physical Plant has done this work.
3. All other items were informational.

II. PROGRESS OF WORK

A. General Work Update

1. 3rd Floor - Demolition complete, concrete complete except where plumbing changes are holding us up.
2. 2nd Floor - Demolition Complete.



II. PROGRESS OF WORK Continued

A. General Work Update

3. 1st Floor- Demolition complete except for minor items.
4. Basement - Demolition should start this week.
5. Millard Vault - Floor slab done, walls being pured this date, struct. slab to start this week.
6. Church St. Vault - Underpinning done.
7. S.E. Corner Millard Basement - Demolition complete on access hole.
8. Poppenberger - Steel has been brought in, should be on job next week.
9. Stocking for third floor to start next week. Shaft wall material won't be available until next month.

B. Mechanical

1. Lamb Plumbing work done:
 - a. Fourth floor Jackson - working on wastepipe below fourth floor (third floor crawl space.) Working on vent piping, working on gas mains and delonized mains, hot and cold, vac and air mains are in.
 - b. Third Floor Owre - Demo 95% Done, have layed out $\frac{1}{2}$ floor (west), have coredrilled $\frac{1}{2}$ floor both slabs (upper & lower), have cut and reemed sleeves, and have cemented in sleeves.
 - c. Second Floor Owre and Basement Owre - Working on demo, about 75% done.
 - d. Basement Millard - Hot and cir water were rerouted for cont. of hole through wa-1 for K/A. Working on layout of water heater to be relocated. Keeping up with demo throughout building.
2. Heating - Storage was discussed among the Hayes people. Pipe coverer and sheet metal subs need immediate areas.

C. Electrical

1. Have completed conduit piping as fas as possible from Jackson-Owre to S.W. Tower.
2. Have completed as far as possible conduit from Jackson-Owre vault to Jackson switch board.
3. Have extended main feeder conduits from Millard vault to Millard switch gear.
4. Presently working on telephone feeders from Mayo telephone room to Room 26 Owre.
5. Keeping up with demolition.

III. GENERAL DISCUSSION & NEW BUSINESS

1. Physical Plant will start work on third floor after architect has made some sketches showing work to be done. Will any walls have to be moved to allow this piping to go through. Plumber has core drilled third floor and cannot allow any change of wall location. This is holding up the general work, can't some urgency be stressed.
2. Delay of steel stud erection will delay electrical and most other trades.
3. Jackson third floor drilling into floor above to fourth floor, have had some fumes come through that has caused headaches.
4. Request that lobby on first floor cleared to allow traffic to Mayo Hospital. (not possible if general is liable.) Terrazzo removal for this area should be reviewed.
5. Tower - any areas being used for storage shouldn't interfere with other sub's movement of material.
6. Change Orders - some action is started but when a charge is required instead of a credit we have to start over.
7. Sheet rock for columns in the tower should start so that area can be used for storage.
8. Hollow metal problem is no frames will be available until the middle of December, therefore, it will be necessary to erect steel studs before the frames are in place.
9. Change Order should be reviewed and described C.O. No. 2, that is after receiving the Change Order we spend approximately a week gathering information for this Change Order and found no change in price since the Architect was looking for a credit. This Change Order will most likely not be taken. Preliminary investigation would have brought out these facts without all the formal correspondence.

There will be a foreman's meeting Tuesday, November 8, 1977, 8:00 a.m., at 215 Owre.

The next project meeting will be held Tuesday, November 15, 1977, 1:30 p.m. at 4112 Powell Hall.

AJN/mla

cc: University of Minnesota
Lamb Plumbing
Commonwealth Electric
Wm Poppenberger & Son
Kraus-Anderson of Mpls., Inc.
Health Sciences Arch. & Eng., Inc.

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB NO. 0150

JOB PROGRESS MEETING NO. 7
TUESDAY, NOVEMBER 29, 1977

ATTENDANCE:

U. of M.

Roy Anderson
Gordon Bahlen
Steve Fredell
Dick Handricks
A. W. Johnson
Tom Kyle
Commonwealth Electric
Kari Bengston
Marv Garters
O'Brien Sheetmetal,
Tim Loth

H.S.A.E.

Bruce Johnson
Hayes Contractors
Ray Anderson
George Klein
Kraus-Anderson
Arne J. Nordli
Byron Yerigan
Lamb Plumbing
Jim Kehoe
Wm Poppenberger & Son
Clayton Gausman

KRAUS-ANDERSON of MPLS, Inc.
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UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE



I. REVIEW OF MINUTES OF MEETING NO. 6

1. Access through first floor Owre was discussed.
2. Haldeman Homme casework drawings on schedule.
3. Transformer not available for 22 weeks after shop drawing approved. These transformers go into the two vaults, the vaults, therefore, cannot be waterproofed and backfilled til after all equipment is in place.

II. PROGRESS OF WORK

A. General Work Update

1. Basement - Demolishment of walls almost complete, slab demolition being worked on. Cooler is in our way, the slab below cooler is to be removed. Pouring of slab on corruform & filling in of recessed areas will start next.
2. 1st Floor - Demolition mostly complete, some clean-up & minor areas remain.
3. 2nd Floor - Demolition complete, west end ready to start finishing.
4. 3rd Floor - Duct work & steel stud starting. North wall has been finished with sheet rock.
5. 4th Floor - Jackson North, sheet rock subceiling is in, duct work mostly in, steel studs partition to start next.



II. PROGRESS OF WORK Continued

A. General Work Update

6. Tower - sheet rock will complete work this week.
7. Vaults - Millard is complete except for waterproofing over roof. Can this be done up to lift out panel or will waterproofing go over entire area. Church - shoring to start this week.

B. Electrical

1. Have completed telephone and TV conduits to Mayo Bldg. & telephone room.
2. Keeping up with demolition.

C. Mechanical

1. 4th Floor Jackson - rough-in work complete below 4th floor, except waiting for direction on service tie-ins risers (existing) smaller than shown on plan. Welded portions of gas mains completed until further rough-in required.
2. 3rd floor Owre - Doing necessary demo. Started bringing material up for roughing-in. Start rough-in 11/30.
3. Basement Jackson - Fire line brought around to stairway. Holes have been coredrilled for both risers. Waiting direction on 2" water pipe in way of one riser in crawl space.
4. 3rd floor Millard - Removed existing piping & fixtures rooms 310, 311 & 312.
5. Millard Vault - Existing storm drain line has been reconnected. Area drain roughed in, in vault, hole coredrilled & pipe stubbed into Rm. 9, Millard.

D. Poppenberger

1. 4th Floor Jackson North - Fireproof ceiling complete except tape. Start framing 30th. West mech tower - framed & rock. East mech tower framed & rock today.
2. 3rd Floor - North wall insulated & stud framed, gyp board at radiators waiting for stub out of steam lines, starting framing of partions.
3. General all materials for third, fourth and fifth floors - except imperial board.
4. All steel stud for entire job, all shaft wall for entire job and all insulated board for entire job.
5. Need casework details for backing materials.

III. GENERAL DISCUSSION AND NEW BUSINESS

1. Change Orders will be reviewed every month.
2. Change Order overhead and profit margin should be reviewed. Should 10% overhead be added to cost and then 10% taken on that amount or should profit be the same amount as overhead.
3. No charges will be allowed for estimating services in case the Change Order does not go ahead.
4. Millard Vault will be backfilled and visqueen put over area at vault roof level.
5. The cooler in the basement-Owre is over a area where footings must be dug. We need the area immediately. If cooler can be shifted 5' we could go ahead with the footing .
6. New gas line at Church vault will be run in plastic. Care should be taken in protecting this.

The next project meeting will be held Tuesday, December 13, 1977, 1:30 p.m. at jobsite, 2nd floor Owre.

AJN/mla

cc: University of Minnesota
Lamb Plumbing
Commonwealth Electric
Wm Poppenberger & Son
Kraus-Anderson of Mpls., Inc.
Health Sciences Arch. & Eng., Inc.

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UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON of MPLS, Inc.

CONTRACTORS & CONSTRUCTION MANAGERS

KRAUS-ANDERSON JOB NO. 0150

JOB PROGRESS MEETING NO. 8
TUESDAY, DECEMBER 13, 1977

ATTENDANCE:

U. of M.

Gordon Dahlen
Steve Fredell
A. W. Johnson
Tom Kyle
Gordon Lindholm
Commonwealth Electric
Karl Bengston
Marv Garbers
O'Brien Sheetmetal
Tim Loth

H.S.A.E.

Bill Poppent
Bruce Johnson
Hayes Contractors
Ray Anderson
Kraus-Anderson
Arne J. Nordli
Byron Yerigan
Lamb Plumbing
Jim Kehoe
Win Poppenberger & Son
Clayton Gausman

I. REVIEW OF MINUTES OF MEETING NO. 7

1. Item 3, Commonwealth is still waiting for return of shop drawing on transformer. University said drawings are back to Health Sciences.
2. Still waiting for direction for fire line brought around to stairway, basement - Jackson Hall.
3. Change Order overhead and profit will be 10% plus 10% for a total of 21%.
4. Owre basement vault has been moved.

II. PROGRESS OF WORK

A. General Work Update

1. Basement - Demolition complete except at Stair D. Must wait for outage 12/23/77 to start masonry at this location. Masonry to start on East side of elevator 12/14/77.
2. First floor - layout to start next week.
3. Second floor - layout started Jackson 297, 298, start demo next week.
4. Third floor - layout mostly complete, finish floor patching next week. Window blocking mostly complete.



II. PROGRESS OF WORK Continued

A. General Work Update

5. Fourth floor - layout complete.
6. Church St. Vault - working on sheeting of street.

B. Poppenberger

1. Third floor steel studs erected as far as they can go.
2. Second floor and first will start next week.
3. Basement to start when masonry starts.
4. Need hollow metal frames badly. Hollow metal due the week of 12/19/77.

C. Electrical

1. Have run conduit for S. E. Tower bus duct.
2. Have installed panels 41C & 41D on fourth floor Jackson and have run the conduit for main feeder.
3. We are presently installing data gathering panel tubs for fire alarm and will be running conduit D.G. panel ties.

D. Mechanical

1. Two men working on water, air, vac, and gas mains on 3rd floor, West of Owre.
2. Two men working on water, air, vac and gas mains on 2nd floor, West of Owre.
3. Water mains are complete in ceiling of Rooms 19.3 thru 19.7 in basement dog run area of Owre. We need rough-in for sinks furnished by casework contractor to proceed on inter-wall work.
4. Lines that were to be rerouted for the new Stairway D have been completed with the exception of final tie-ins. Shut down for this has been scheduled for December 23, during the day. This involves hot, cold, circ. H.S., gas, and air in the crawl space of Owre.
5. Drawings show acid vents tying into existing acid vent stacks on 1st, 2nd, 3rd floors of Owre. The only existing acid vent stack is a 1½" and this is not of proper size for number of fixture units we are required to vent. Need direction.

II. PROGRESS OF WORK Continued

E. Heating

1. Heating started on third floor.
2. Six more fitters this week.

F. Sheet Metal

1. Work caught up on third floor. Starting in basement area.

III. GENERAL DISCUSSION AND NEW BUSINESS

1. Modification No. 7 and 14-20 not in to Architect.
2. Modification through 26 will be issued by tomorrow.
3. Modification 21-26 have not reached the contractor's office as of this date.
4. Owre floor 1st, 2nd, 3rd floor, acid waste pipe shown as being existing were not installed. These lines are needed and will be taken care of by a modification.
5. Opening in towers are creating cold drafts in lower floors and may cause some damage but this appears to be the University's problem.
6. Third floor, widening of shaft not adequate for new duct runs, Gordon Dahlen will increase width when shaft is being built.
7. Slab poured on third floor Owre is curling at the edges. Will investigate today. Some grinding may be needed.
8. Second floor Owre corridor conflict on finish schedule must be corrected.
9. Variable volume boxes are being held up by Health Sciences Engineers, but information asked for is being held up by George Klien of Lamb Plumbing. Deliver 8-12 weeks after approved shop drawings. Need some boxes for our phase I completion of March 1, 1978. Installation needed by December 15, 1977 to January 1, 1978.
10. Room 356 Millard will not be complete for one month after sheet metal completion which appears to be four month off with one month of work or six months total.

The next project meeting will be held Tuesday, December 27, 1977, 1:30 p.m. at jobsite, 2nd floor Owre.

AJN/mla

cc: University of Minnesota, Lamb Plumbing, Commonwealth Electric, Wm Poppenberger & Son, Kraus-Anderson of Mpls., Inc., Health Sciences Arch. & Eng., Inc.

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB NO. 0150

JOB PROGRESS MEETING NO. 9
TUESDAY, DECEMBER 27, 1977

ATTENDANCE

U. of M.

Gordon Dahlen
Dick Hendricks
A. W. Johnson
Tom Kyle
O'Brien Sheetmetal
Tim Loth
Kraus-Anderson
Lyle Meyer
Byron Yerigan

H.S.A.E.

Bruce Johnson
Hayes Contractors
Ray Anderson
Lamb Plumbing
Owen Schilling
Jim Kennedy

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UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE



I. REVIEW OF MINUTES OF MEETING NO. 8

1. Sheathing for Church St. vault is being studied. Excavation will be resumed as soon as the sheathing can be completed.
2. 35 hollow metal frames were delivered to the job on December 20, 1977.
3. Tom Kyle will provide Lamb with rough-in information for owner-furnished items. Kraus-Anderson will provide the information for contractor-furnished items.
4. Openings in towers that were creating cold drafts have not been covered. Ray Anderson and Dick Hendricks will look into this problem and try to solve it.
5. Bruce Johnson and Byron Yerigan will study the 3rd floor slab edge curling after the meeting.
6. Variable volume boxes were released last week. Delivery is still scheduled for 8 to 12 weeks after release.

II. PROGRESS OF WORK

A. General Work Update

1. Basement - Cutting hole into Mayo for Stair D. Laying block and setting HM frames.
2. First Floor - Layout is almost complete.
3. Second Floor - Casework is out of Rooms 297 and 298.



II. PROGRESS OF WORK Continued

A. General Work Update

4. Third Floor - Finishing concrete patching.
5. Fourth Floor - Most HM frames are set.

B. Gypsum Drywall (Poppenberger)

1. Keeping up with the progress of the job. Waiting for door frames in some areas.

C. Electrical (Commonwealth)

1. Doing in-wall work in basement.
2. Installing in-wall work of 4th Floor Jackson.
3. Have mounted approximately 60% of the fire alarm D.G. panels.
4. Keeping up with demolition.

D. Plumbing (Lamb)

1. Two men working on gas; air, vacuum and water mains on 3rd Floor West Owre.
2. One man laying out on 2nd Floor Owre, two men working on gas, air, vacuum and water mains on 2nd Floor Owre.
3. Tie-ins completed on 12-23-77 for Stairway "D".
4. Two men working on rough-ins in Basement-Owre, Rooms 19.3 - 19.7.
5. Need shop drawings or rough-in information for Group II & I Equipment.

E. Heating (Lamb)

1. Sub-basement West - made and installed 5" LPS and 2" LPC loops to clear the new stairing. Welded in socketlets for new piping.
2. Basement West - Lay-out for core drilling for steam convectors. Installing LPS lines.
3. Second Floor West - Removed four existing radiators.
4. Fourth Floor Jackson - Running RHS and RHR for reheats. Core drilling for convectors.

II. PROGRESS OF WORK Continued

F. Ventilating (O'Brien)

1. Dog run area in basement is 80% complete.
2. Third Floor - Low pressure duct is 80% complete. Medium pressure duct for Room 356 is being fabricated and will be delivered this week.
3. Fourth Floor - Medium pressure duct in Room 496.1 is in progress. Exhaust duct to be changed by Mod.

III. GENERAL DISCUSSION AND NEW BUSINESS

1. Dick Hendricks asked for a schedule for the finishing of areas in Owre Basement and First Floor. Byron said these areas should be done by March 1, 1978.
2. Bruce Johnson said that the "Type 18" wall in Room 19.8 should be a "Type H" wall.
3. Kraus-Anderson received verbal approval of their proposal (letter to Jack Geretz, dated 12/22/77) to construct a walkway in First Floor Owre Lobby. A Mod will be issued to formalize this approval.

The next project meeting will be held Tuesday, January 10, 1978, 1:30 p.m. at the jobsite, 2nd Floor Owre.

WLM/mla

cc: University of Minnesota
Lamb Plumbing
Commonwealth Electric
Wm Poppenberger & Son
Kraus-Anderson of Mpls., Inc.
Health Sciences Arch. & Eng., Inc.

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

(KRAUS-ANDERSON of MPLS, Inc.)
(CONTRACTORS & CONSTRUCTION MANAGERS)

KRAUS-ANDERSON JOB NO. 0150

JOB PROGRESS MEETING NO. 10
TUESDAY, JANUARY 10, 1978

RECEIVED

JAN 12 1978

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

ATTENDANCE

U. of M.

Roy Anderson
Gordon Dahlen
Dick Hendricks
A. W. Johnson
Tom Kyle
O'Brien Sheetmetal
Tim Loth
Kraus-Anderson
Arnie Nordli
Byron Yerigan

H.S.A.E.

Bill Poppert
Lamb Plumbing
Jim Kennedy
Jim Kehoe
Commonwealth Electric
Marvin Garbers

I. REVIEW OF MINUTES OF MEETING NO. 9

1. Item 5, report submitted, dated 1/9/78.
2. Owre basement, Phase 1, is expected to be complete March 15, 1978. 1st floor Owre is expected to be complete June 1, 1978. Owre-basement, Phase II - see schedule.

II. PROGRESS OF WORK

A. General Work Update

1. Basement - hollow metal frames all set. Concrete block 50% complete. Stair D demolition & cone block foundation complete. Structural framing for Stair D to 3rd floor is beginning.
2. First Floor - Misc. concrete for slabs in former lecture rooms. Ready for steel studs. **NOT COMPLETED BY 1-24-78**
3. Second Floor - Steel studs 80% complete.
4. Third Floor - Steel studs 80% complete. North wall insulation & drywall completed.
5. Fourth Floor Jackson - Hollow metal frames 100% complete. Steel studs 100% complete.
6. Towers - Removing windows & walls & barricading for same. Most of remaining hollow metal frames will be coming into job next week.



II. PROGRESS OF WORK

B. Electrical

1. Installing inwall work on 4th floor Jackson.
2. Keeping up with block layer basement Owre.
3. Have installed tele conduits from cable trays to towers and to main telephone room in Owre Building.

C. Plumbing

1. Fourth Floor Jackson - two men working on inwall rough-ins of glass waste & vent, & water piping. one man working on deionized water piping. Will allow drywall to start next week.
2. Third Floor Owre - two men working on gas, air, vac. & water mains in ceiling.
3. Second Floor Owre - two men working on gas, air, vac. & water mains.
4. First Floor Owre - Working on fixture layout & core drilling.
5. Basement Owre - Waste piping in ceiling & walls, 100% done. Water piping is also 100% done. Vent pipe is partly done, awaiting direction on new acid vent stacks which are supposed to be added in a new mod.

D. Heating

1. Basement West - Finished 2½" LPS line for unit S-120, except for drip assembly. (2-men) core drilling for convectors. Running RHS & RHR.
2. Second Floor West & East - Removed 5 existing radiators. (2-men)
3. Fourth Floor Jackson - Finished running RHS & RHR for reheat coils. Tested and pipes are being covered. Finished core drilling holes for convectors. (2-men)
4. Fifth Floor Penthouse - Jackson- Laid out P-6 chilled water pump base tube poured. (1-man)
5. Third Floor West - Running out hot water radiation stubs so sheetrockers can sheetrock. Cutting down existing fin tubed radiation and rewelding to fit on new sheetrocked walls. (2-men)

E. Sheet Metal

1. Fourth Floor Jackson - Waiting on vol. boxes to complete floor.
2. Third Floor Millard - Room 356 waiting on relocation of 2 air lines and Gen. to cut openings in walls for fire damper sleeves.
3. Third Floor Jackson - Starting to receive duct for corridors for west end of third floor. Should take 3 weeks to complete.

II. PROGRESS OF WORK

E. Sheet Metal

4. Second Floor Owre - Installing exhaust duct in corridor of Owre. Check on Mod. for relocating ext. line from Room 210-6 to 18X12 ext. duct in corridor 2-08.
5. Basement Dog Runs - Duct work for reheat coils in fabrication, delivery end of week 1/13/78. This will complete everything in area except equip. room.

III. GENERAL DISCUSSION AND NEW BUSINESS

1. Fourth Floor Jackson - convectors on exterior walls are of some concern as to possible freezing or at least to reduce the heating capacity due to the heat loss in cold turred area.
2. Existing heating lines on exterior walls are not to be covered. Any covering required will be done by Modification.
3. When can fourth floor slab for Stair D (Owre) be cut out so Stair D can come through. Not til fourth floor is vacated, Phase II.
4. Millard, 356 (SE corner Millard) - When will this area be turned back. It looks as if ten weeks will be required, 6 weeks for sheet metal, 4 weeks for general.
5. Jackson 496 will require an access panel. University will make up a Modification.
6. Basement, Owre - where the fire took place, the window was charred badly, could this space be blocked up in lieu of replacing window. Also, review all the windows as to replacing with concrete block.
7. Owner furnished equipment for Room 496, Jackson, may cover a couple of electrical switches.
8. Modification 1-20 submitted, 21-26 information being gathered, 27- will be sent to subcontractors this week.
9. Cold area to crawl space S.E. corner Millard must be blocked off.

The next project meeting will be held Tuesday, January 27, 1978, 1:30 p.m. at the jobsite, 2nd Floor Owre.

AJN/mla

cc: University of Minnesota
Lamb Plumbing
Commonwealth Electric

Wm Poppenberger & Son
Kraus-Anderson of Mpls., Inc.
Health Sciences Arch. & Eng., Inc.

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON of MPLS, Inc.
CONTRACTORS & CONSTRUCTION MANAGERS

KRAUS-ANDERSON JOB NO. 0150

JOB PROGRESS MEETING NO. 11
TUESDAY, JANUARY 24, 1978

ATTENDANCE

U. of M.

Roy Anderson
Gordon Dahlen
Jack Geretz
A. W. Johnson
Tom Kyle
Gordon Lindholm
O'Brien Sheetmetal
Tim Loth
Kraus-Anderson
Arnie Nordli
Paul W. Abbott Co.
Duane Tchida
Honeywell
Rich Sievers

H.S.A.E.

Bruce Johnson
Lamb Plumbing
Jim Kehoe
Jim Kennedy
Commonwealth Electric
K. W. Bengtson
Marv Garbers
Hayes Contractors
George Klein
Poppenberger
Sherman Prescott



I. REVIEW OF MINUTES OF MEETING NO. 10

1. Curling of slab on 3rd floor may regress if recuring with water soaked burlap covered with plastic is applied.
2. 4th floor Jackson, volume boxes to arrive jobsite the middle of February. Will hold up completion of ceiling.

II. PROGRESS OF WORK

A. General Work Update

1. Basement - Finishing up masonry, Stair D steel completed, waiting on decking, hollow metal has arrived.
2. 1st Floor - Waiting on metal deck to pour slabs in 111 & 113. Hollow metal frames have arrived.
3. 2nd Floor - Waiting on deck to close stair & complete concrete.
4. 3rd Floor - Waiting on deck to complete concrete. Hollow metal frames are on job but are waiting for hollow metal window frames.
5. 4th Floor Jackson - Sheet rock will start shortly. Casework for this area will be available 1st week in February.



II. PROGRESS OF WORK

B. Electrical

1. Inwall work done on fourth floor Jackson.
2. Installing inwall work on third floor Owre. As much as possible.
3. Keeping up with block layers.
4. Need 3rd floor cabinet prints.
5. Need drawing on owner furnished equipment.

C. Plumbing

1. Fourth Floor Jackson - three men working on testing systems. Waste & Vent System complete. Hot, Cold, & Circ. Water piping complete w/ exception of tie-ins in third floor ceiling. Also awaiting decision on location of valves for these services. Gas, Air & Vac. Piping System complete. Pipe coverer working on covering.
2. Third Floor Owre - Two men working on waste & vent. Also testing services. Pipe Coverer is also working on covering plumbing lines on this floor. Rooms 305, 306 & 307 are ready so rocking can start as far as the plumbing. One man on fixture layout work and testing in this area.
3. Basement to Second Millard - One man working on removing and capping services along w/ U. of M. Plumber.
4. Fifth Floor Penthouse, Jackson - Two men working on installing vacuum pumps.

D. Heating

1. Basement West - Finished core drilling for convectors. In progress of running RHS & RHR mains and also piping RH coils. (2 men)
2. Second Floor East, Room 208.4 (mens toilet) - Core drilled 4 holes in wall for rerouting of 1" steam and 3/4 cond. to feed new conv. and existing radiator (1 man)
3. Fourth Floor Jackson - In process of running HWS and HWR for convectors in 3rd floor ceiling space. (2 men)
4. Third Floor West & East Owre - Finished cutting down existing 2" finn tube for the whole 3rd floor North wall. Stubbing out steam and cond. for new and old radiators on South wall. (2 men)

II. PROGRESS OF WORK

E. Sheet Metal

1. Basement - Ready for ceilings in dog runs only. Corridor heat recovery coil not in, waiting for flex and platform.
2. First Floor - Demolition of duct complete on Owre and Millard. Cutting holes in walls for ducts.
3. Second Floor - Waiting on K-lok for corridor. Delivery about 3 weeks.
4. Third Floor - Duct for corridors being delivered this week and being installed, received 1/3 of total duct today. Room 356 Millard should be done Friday.
5. Fourth Floor - Jackson complete except for vol. boxes. Stainless steel ducts in corridor of Owre 4th Floor are being installed and completed by next Tuesday, January 31, 1978.
6. Equipment starting to come in. Load of sound traps delivered last week and being located in tower where housings set. Vol. boxes should be here middle of February.
7. Medium pressure duct on third floor should be complete by February 28, 1978.
8. Unit S-120 basement to be shipped February 28, 1978.
9. Fans in foyers to be shipped middle of March.
10. Just received today approved drawings

F. Poppenberger

1. Third Floor - steel studs, 80% completed. Second and First Floor steel studs as far as possible, waiting on concrete slabs over metal deck.

III. GENERAL DISCUSSION AND NEW BUSINESS

1. No word on mods. that were to be issued on pipe we moved approximately three months ago.
2. Also, the question of pressure reducing valves on dionized water system as this also takes in this phase of remodeling.
3. Still awaiting rough-in for U. of M. furnished equipment.
4. We could also use Hamilton Casework Drawings for third Floor Owre.

III. GENERAL DISCUSSION AND NEW BUSINESS

5. Billings for material stored offsite, paperwork not completed.
6. Air Conditioning needs for June 1, 1978 reviewed. Pumps needed will not arrive til Summer, definite delivery date forthcoming. Housing and fan required for cooling is available.
7. Mod. No. 14 and 26 has been clarified, Lamb Plumbing will be sending pricing by next week.
8. Poppenberger being held up due to hollow metal window frames and and concrete slab to close off stair. Also, some radiation on second floor must be modified.
9. Electrical switchgear for vaults being held up dur to non-standard requests from Engineer. Mfg. may not build in this manner. Main transformer will ship February 15, but switchgear is needed also.
10. Lamb's Shop Drawings - some drawings submitted in October have not been returned. George Klein will make up a list of drawings that are being held up.

The next project meeting will be held Tuesday, February 7, 1978, 1:30 p.m. at the jobsite, 2nd Floor Owre.

AJN/mla

cc: University of Minnesota
Lamb Plumbing
Commonwealth Electric

Wm Poppenberger & Son
Kraus-Anderson of Mpls., Inc.
Health Sciences Arch.& Eng., Inc.

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB NO. 0150

JOB PROGRESS MEETING NO. 12
TUESDAY, FEBRUARY 7, 1978

ATTENDANCE

U. of M.

Roy Anderson
Gordon Dahlen
Steve Fredell
A. W. Johnson
Tom Kyle

Kraus-Anderson of Mpls., Inc.

Arne Nordli
Byron Yerigan
Paul W. Abbott Co.
Duane Tchida
John R. Abbott
Honeywell
Dave Day

H.S.A.E.

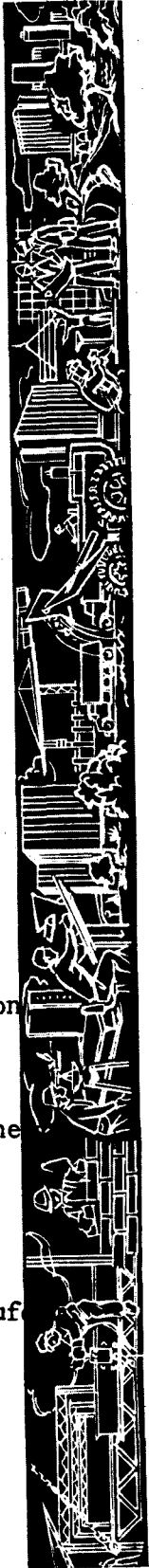
Bruce Johnson
Lamb Plumbing
Jim Kehoe
Jim Kennedy
Commonwealth Electric
Karl Bengtson
Michael Rickard
Hayes Contractors
Ray Anderson
Poppenberger
Sherman Prescott

KRAUS-ANDERSON of MPLS, Inc.
CONTRACTORS & CONSTRUCTION MANAGERS

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HEALTH SCIENCE
PLANNING OFFICE



I. REVIEW OF MINUTES OF MEETING NO. 11

1. Curing of slab to continue.
2. Volume boxes shipped last Friday.
3. Get Haldeman Homme to get us drawings for mechanical, electrical and general use.
4. Room 356 Millard volume box not installed.
5. 4th Floor Jackson volume boxes not at job yet.
6. Modification on dionized water system for loop of building will be #44E. We should proceed on a cost plus basis according to A.W. Johnson
7. Get definite date on delivery of pumps for air conditioning.
8. Electrical drawings on Millard Vault Switchgear being held up by Engine

II. PROGRESS OF WORK

A. General Work Update

1. Basement - Area ready for plastering & Stair D is waiting on corruf



II. PROGRESS OF WORK Continued

A. General Work Update

2. 1st floor - Hollow metal being set, steel studs set, masonry to start next week.
3. 2nd floor - Hollow metal being set, masonry being laid. Jackson North demolition started and casework removed.
4. Modification 8P on third floor holding up west end. Hollow metal being set.
5. 4th floor - Jackson - waiting on mech. Casework due this week.

B. Electrical

1. Installing inwall work on third floor Owre, as much as possible.
2. Connecting inwall work in basement of Owre, Animal Rooms.
3. Keeping up with block layers.
4. Starting inwall work on second Owre.
5. Need floor cabinet prints for 2nd and third floor.
6. Need drawing on owner furnished equipment.
7. Keeping up with Kraus-Anderson on demolition.
8. Received fixtures 2/6/78 (part shipment) Fixtures Types a, a1, a3.

C. Plumbing

1. Inwall piping on 3rd floor Owre is complete except for Room 301, which will be completed in about two days.
2. Inwall piping for waste and vent and carriers is completed in toilet rooms, 351.1 and 351.5 on third floor Millard.
3. Fire line riser in north west stairway of Jackson has been run up to valve tee on second floor and holes have been drilled on basement, 1st and 2nd for the riser in the southwest stairway.
4. Have had 1-man working with U of M Plumber removing piping that will no longer be used on the lower floors of Owre & Millard.
5. Working with Byron as needed to install or remove piping in clay tile walls on 2nd of Owre.

II. PROGRESS OF WORK Continued

D. Heating - 10 men

1. Basement Owre - Finished running RHS & RHR mains and branches. Piped 5 reheat coils and tested piping. Test was approved. In process of having pipe covered (2) men.
2. 2nd floor East Owre - rerouted existing 1" steam and 3/4" cond. Roughed in for new conv. and existing radiation (2) men Room 208.4.
3. Fourth Floor Jackson - Running HWS & HWR for 17 convectors in 3rd floor ceiling. (2) men.
4. 1st floor West Owre - Running HWS & HWR mains (2) men.
5. third floor Owre - Working on Mod. 18E, rerouting North of elev. of existing CWS & CWR 4" lines (2) men.
6. 5th floor Jackson (penthouse) - running CWS & CWR 4" lines to S-119 and piping cooling coils.
7. Mayo Garage - Ordered pipe and pipe fittings for crawl space. CWR, CWS, H.P. Steam, L.P. Cond. waiting on time (best time of the day) and a day for delivering of pipe.

E. Sheetmetal NO REPRESENTATIVE AT JOB WHICH DISPLEASED THE UNIVERSITY.

1. 4th floor - waiting on vol. boxes.
2. 3rd floor - Room 356 Millard, waiting on vol. box for completion. Ductwork complete.
3. 3rd floor Jackson - running duct down hall should be complete in 4 weeks. Also, waiting on vol. boxes.
4. 2nd floor - Have stainless steel for risers and Mod. 10A to 1st floor. Remainder of duct (medium & low pres.) being fabed.
5. Room 297 & 298 Jackson being drawn and waiting for general to cut some openings in clg. & floor of third floor. Some glass piping in way of duct on third floor will advise plumber when openings are cut in.
6. 1st floor- all drawn up in Owre and Millard.
7. Basement - Measuring Rooms 21 & 22 and have some piping in way. Will talk to plumber about removal.

II. PROGRESS OF WORK Continued

F. Poppenberger

1. Rocking on 4th floor Room 496 area is complete, except for ceiling.
2. Taper is at work on wall on 4th floor 496 area. (done late next week)
3. Rocking started on third floor Owre 2/6/78 (still need hollow metal window frames and some door frames)
4. Framing is complete in rooms 356 west end, waiting other trades before rocking.
5. Framing has started rooms 298-297 area 2/7/78.
6. Rocking is completed area B-1 for masonry.

III. GENERAL DISCUSSION AND NEW BUSINESS

1. S.E. & S.W. Towers sheetmetal louvers have been covered according to Architect.
2. Thermostats will be run through steel studs by fishing through rather than having conduits.
3. Modifications are starting to hold up a great deal of work. Maybe some of the modifications could be given the o.k. to proceed with the work in the Field.
4. Need heat for 4th floor Jackson for finishing.

The next project meeting will be held Tuesday, February 21, 1978, 1:30 p.m. at the jobsite, 2nd floor, Owre Hall.

AJN/mla

cc: University of Minnesota
Lamb Plumbing
Commonwealth Electric
Wm Poppenberger & Son
Kraus-Anderson of Mpls., Inc.
Health Sciences Arch. & Eng., Inc.

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB NO. 0150

JOB PROGRESS MEETING NO. 13
TUESDAY, FEBRUARY 21, 1978

KRAUS-ANDERSON of MPLS, Inc.

CONTRACTORS & CONSTRUCTION MANAGERS

ATTENDANCE

U. of M.

A. W. Johnson
Gordon Dahlen
Tom Kyle
Dick Hendricks
Roy Anderson
Kraus-Anderson
Byron Yerigan

H.S.A.E.

Bruce Johnson
Lamb Plumbing
Jim Kehoe
Jim Kennedy
O'Brien Sheetmetal
Tim Loth
Don Boeser

Commonwealth Electric

Michael Rickard
K. W. Bengtson
Jim Iversen
Poppenberger & Son
Clayton Gausman
Sherm Prescott

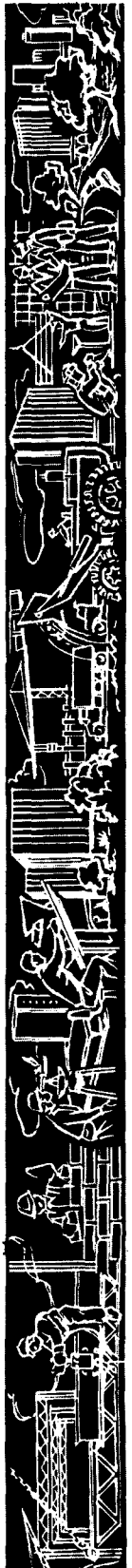
I. REVIEW OF MINUTES OF MEETING NO. 12

1. Modification on dionized water system included shock absorbers that are part of specs.
2. University to be informed who to contact for the shipping date of pumps for air conditioning and will try to get same.
3. Fredell did not get electrical drawings from University Engineering Dept. for Millard switchgear.
4. Modification 8P not priced yet.
5. 4th floor-Jackson, casework in, vol. box now del.
6. Received partial floor cabinet prints from Tom Kyle.
7. All vol. boxes on job today.
8. Window and door frames hollow metal all here now and installed.

II. PROGRESS OF WORK

A. General Work Update

1. Basement - Working on pads in crawl space, making tunnel
2. Stair D Landing poured.
3. 1st Floor - Setting door frames, poured concrete in Room 111, 1 and and old stair opening tomorrow, pour in 113.
4. 2nd Floor - Patched base and layed tile entranceways and stair opening
5. 3rd Floor - Patched entry to S.W. Tower. Patched stair opening.
6. 4th Floor - Primed Rooms
7. Vault - Started ceiling Monday on 4th floor Jackson.



II. PROGRESS OF WORK Continued

B. Electrical

1. Installing inwall work on third floor Owre.
2. Installing inwall work on second floor Owre, Jackson.
3. Installing conduit for feed for new MCC-1 control panel, Owre.
4. Keeping up with block layers with electrical in block.
5. Keeping up with demoltion.
6. Working on ceiling work, basement Owre.
7. Received part shipment of fixtures.

C. Plumbing

1. 3rd Floor Owre - Installing dionized water piping in ceiling of 304-305 & 306.
2. 2nd Floor Owre - Layout and core drilling in rooms above office area on first floor. Waste and vent being installed in Southeast half of Owre.
3. 2nd Floor Jackson - Layout and core drilling in Jackson, Rooms 298 and 297 above occupied areas on 1st. Waste and vent has been started this area.
4. Basement Owre - Vent piping has been completed in the dog run area. Fire riser holes have been drilled from basement up to 2nd floor by Stair "D".
5. Fourth Floor Jackson - dionized water has been completed on this floor, tested at 75 lbs. for 1 hour, witnessed by Gordy Dahlen on 2/16/78.

D. Heating- Pipefitters

1. Basement West Owre - Coredrilled two holes for recessed cabinet unit heater D-8.2, Stairway D.
2. 1st Floor East Owre - Relocated existing steam and cond. risers in new wall. Run new runouts for existing radiation and new convector. Ran HWS & HWR and tested. S.E. Tower.

II. PROGRESS OF WORK Continued

D. Heating - Pipefitters

3. 2nd Floor East Owre - Installed 2 pneu. control valves in existing stm. finned tube rnd.
4. 3rd Floor East Millard - Running HWS & HWR main from S.E. Tower into Room 356 and thru Room 360.2, 364.2.
5. 5th Floor Jackson - Finished piping cooling coils, now in process of running 2 4" CWS CWR lines from 5th floor penthouse down to third floor and over into S.W. Tower Room 356 Jackson/Owre.
6. Mayo Garage - Made 12 hangers 13" channel iron back to back w/ 1 pipe spacers (1") for 14" CWS CWR lines.
7. 3rd Floor West Owre - Rerouted CWS CWR 4" lines. Mod 18E existing lines restricted new corridor width and door size.

E. Sheetmetal

1. Basement - Coil up on heat recovery for S-120 in corridor.
2. 1st Floor - Corridor duct work in fabrication 3/20/78.
3. 2nd Floor - Corridor duct work in fabrication should be delivered starting 3/5/78.
4. 3rd Floor - Vol. Boxes should be installed by 3/10/78. Corrdior duct complete by 3/27/78.
5. 4th Floor - Vol. Boxes complete by 2/24/78. Diff. on way for plaster ceilings?
6. Towers - Temp. heat 2 week start today. Out pads for housings 2 weeks.

F. Poppenberger

1. Framing walls on third floor that had been held up on.
2. Hanging rock on third floor, applying gyp. to steel studs.
3. Core boarding fume hoods on third.
4. Lathers have framed ceilings on 4th floor Jackson as far as they can go.
5. Lathers have run ceilings in basement as far as they can go.
6. Tapers have completed all walls on fourth floor Jackson.
7. All window frames are set on third.
8. Completed metal studs in 297-298
9. Grouting door frames on all floors.

III. GENERAL DISCUSSION AND NEW BUSINESS

1. H.S.A.E. needs cost of mod. 8 by this week (General should get it together from all subs and provide costs to Bruce Johnson).
2. R. Hendricks, when will central air piping be in so air conditioning can be operational on time. Pumps are probable hold up, no scheduled shipping date. 4th Floor Jackson will be a problem. Other components are delayed due to long deliveries on required equipment. Chilled water serving 2nd & 3rd floors Jackson comes from BC. Mayo garage dock must be kept clear, not to be used for storage.
3. Stair D cannot be completed until 4th floor structure is opened to complete stair, partis, etc. West end Jackson 496 door removal question to be solved with R. Hendricks.
4. Roy A., 297-298 Jackson ductwork problem, plumbing to be rerouted, Mod. required. Piping must be suspended from structural third floor Jackson corridor not from suspended ceiling construction. Supports could be wall mounted.
5. Don B., 298 Duct splits new fire wall, need reroute direction, check out details with Bruce Johnson.
6. Tom Kyle, Room 496 air conditioning a problem.
7. Jim Kehoe, 351.5 & 351.1 Millard toilet rooms toilet stalls, a problem of layout to be worked out between general contractor and his subs. Answer needed at once, must be expedited. This is not a problem for the University.
8. Mod. 36E, where is it status, cost sent to Univ. February 10, 1978.
9. 1st and 2nd toilet layout, how to proceed? Defer until third floor problem is resolved.
10. Deep (hole-tunnel) problem to get 5" lines in, very congested, Pete Merz to be contacted for resolution to find another place to tap into for H.P steam & return lines.
11. Power transformer to ship February 27, can't be held back.
12. A. W. Johnson commented that third floor Jackson-Owre stairs were dusty from todays operation.

The next project meeting will be held Tuesday, March 7, 1978, 1:30 p.m. at the jobsite, 2nd floor, Owre Hall.

AJN/mla

cc: University of Minnesota, Lamb Plumbing, Commonwealth Electric, Wm Poppenberger & son, Kraus-Anderson of Mpls., Inc., Health Sciences Arch. & Eng., Inc.

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UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

MAR 9 1978

UNIV. OF MINN
HEALTH SCIENCE
PLANNING OFFICE

KRAUS-ANDERSON of MPLS, Inc.

CONTRACTORS & CONSTRUCTION MANAGERS

KRAUS-ANDERSON JOB NO. 0150

JOB PROGRESS MEETING NO. 14
TUESDAY, MARCH 7, 1978

ATTENDANCE

U. of M.

A.W. Johnson
Dick Hendricks
Tom Kyle
Steve Fredell
Roy Anderson
Jack Geretz
Dale Stroed
Dave Lee

Kraus-Anderson
Arne Nordli
Byron Yerigan
H.S.A.E.
Bruce Johnson
Lamb Plumbing
Jim Kehoe
Jim Kennedy

O'Brien Sheetmetal
Tim Loth
Max Schnapp
Commonwealth Electric
Michael Rickard
Poppenberger & Son
Sherm Prescott
Paul W. Abbott Co.
John Abbott

I. REVIEW OF MINUTES OF MEETING NO. 13

1. Shipping Dates: April 28, 1978 for Pumps P-1 to P-4; July 14, 1978 for Pumps P-5 to 10. P-5 and P-6 are needed immediately.
2. Electrical fixtures are still not all on the job, although another shipment was received. List of missing items forthcoming.
3. Air conditioning for 4th Floor Jackson, and Basement thru 3rd Floor Owre is needed for Summer operation. Pumps aren't available til July 14.

II. PROGRESS OF WORK

A. General Work Update

1. Basement - Plastering ceilings & steel studs at Stair D. Waiting on one piece of mech. (air filter) equipment. Shaft on South face of elevator must remain open for lines above.
2. 1st Floor - No activity.
3. 2nd Floor - Masonry work and window blocking, and trimming concrete at Stair D.
4. 3rd Floor - No activity.
5. 4th Floor Jackson - Working on casework, need cabinets that are to be remodeled. Special finish to start next week. Metal ceiling in corridor to start next week, waiting on sinks.
6. Vaults - Walls stripped and waterproofed and backfilled. Sheeting being removed.



II. PROGRESS OF WORK Continued

B. Plumbing

1. 2nd Floor Jackson - Rooms 297 & 298 are 80% complete as far as rough-in. Rerouting 7 plbg. lines in this area for a ductwork modification.
2. 1st Floor Jackson - Completed all waste piping except tie-ins for Rooms 297 & 298 above.
3. 2nd Floor Owre - Working on waste and vent and other services. Fire hose cabinets (2) are piped and main in ceiling is partially run.
4. 3rd Floor Owre - 1-man working on dionized water mains, in ceiling. Vacuum systems are being retested and witnessed by Gordy Dahlen. We are now testing w/25 inches of vac. per specs.
5. 1st Floor Owre - Doing layout of services and core drilling above Rooms 12 & 15. This area requires a special schedule and we can only coredrill at specific times.
6. Have not proceeded on work in Millard Bathrooms til we receive approved direction from all concerned.
7. Is there a mod. in process to move HWC Pump in Room 9, Millard. This came up about six months ago.

C. Heating

1. B.C. Basement Floor - Putting up hangers for 18" CWS, CWR. Pipe coming Thursday, March 9, start running immediately.
2. Mayo Garage - Running 14" CWS & CWR lines. Core drilled 1 ea. 18", 12", 10 - 6" & 16" holes in Room M12.3 basement S.E. Tower.
3. 3rd Floor East Owre - Running HWS & HWR mains and runouts for reheat coils.
4. 3rd Floor West Jackson/Owre - Running 4" CWS, CWR from 5th Floor Penthouse Jackson to S.W. Tower Risers on 3rd Floor.
5. 4th Floor Jackson - Composite w/ O'Brien on hanging 9 volumn boxes. Piped 9 reheat coils.
6. 5th Floor Jackson - Finished piping 3 way valve for cooling coil in S-119. Stubbed piping in vicinity of pump base for P-6.
7. Basement West Jackson-Owre - Room 19.2 composite w/O'Brien on hanging Unit S-120.
8. S.W., S.E. Towers - Unloaded wing coils for S-100, 101, 102, (S.E.), S-104, 107 S.W. Tower, preheat coils.

II. PROGRESS OF WORK Continued

D. Sheetmetal

1. Basement - Duct being delivered for Rooms 21 & 22 this week. Heat recovery ready for Honeywell to look up. Ducts in Room 25 & 25.1 being delivered today. Need ceiling height of 8'0" to install diffuser.
2. 2nd Floor - Rooms 297 & 298 drawn and sent in shop.
3. 3rd Floor - Room 356 complete for duct installation. Need ceiling for diff. hook ups. Installing vol. boxes on 3rd floor, should be done by Friday, 3/17/78. Duct work in corr. going well, complete by 3/24/78.
4. 4th Floor - Waiting on diff. for Rooms 496 to complete area for ventilation.
5. Towers - Equipment coming in and being stored in Towers. Pads to be marked out as soon as towers get heated so General can pour concrete.

E. Electrical

1. Installing inwall work on third floor Owre.
2. Installing inwall work on second floor Owre.
3. Installing fixtures and pulling wire on 4th Floor Jackson.
4. Installing conduit for new MCCB-2 panel in Basement of B/C for new chilled water pumps.
5. Keeping up with block layers with electrical in block.
6. Keeping up with demolition.
7. Installing control and power riser for fire alarm.
8. Received part shipment of fixtures, types B, K, J.
9. Received shipment of three transformers.

F. Poppenberger

1. Third Floor - enclosing w/gypsum.
2. Second Floor - Steel Studs.
3. Fourth Floor - Completed.
4. Taper to start Third Floor this week.

III. GENERAL DISCUSSION AND NEW BUSINESS

1. Fourth Floor Jackson will hold up duct runs under ceiling at Stair D, since Fourth Floor Jackson will receive the present occupancy of Fourth Floor Owre.
2. Electrical gear going into Court Vault must not exceed the weight limits formerly noted.
3. Need new schedules for turning over areas.
4. See Lamb's last note on possible modification.
5. Check the weight limits of Court and to any reference in the specification of same.
6. Mod. thru 37 in to Arch. - 35E has been revised, Mod. 35 revised, 38A, 39A, 40A, 41A, 42A, 43A (Change to 47A) sent to subs 2/8/78. 44A cancelled, Mod 43A, 45A, 46A, 14E Revised, 35E Revised (2nd) sent to subs 2/23/78.
7. NOTE TO ALL SUBS: Are all materials and equipment approved and on order and will they be on schedule. (See K/A's Schedule.) Please submit listing of items.
8. Mods. No. 48 - 53 enroute to General Contractor.

The next project meeting will be held Tuesday, March 21, 1978, 1:30 p.m. at the jobsite, 2nd floor, Owre Hall.

AJN/mla

cc: University of Minnesota, Lamb Plumbing, Commonwealth Electric, Wm Poppenberger & Son, Kraus-Anderson of Mpls., Inc., Health Sciences Arch. & Eng., Inc.

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB NO. 0150

JOB PROGRESS MEETING NO. 15
TUESDAY, MARCH 21, 1978

ATTENDANCE

U. of M.

Tom Kyle
A. W. Johnson
Gordon Dahlen
Steve Fredell
Roy Anderson
Kraus-Anderson
Arne Nordli
H.S.A.E.
Bruce Johnson

Lamb Plumbing
Jim Kehoe
Jim Kennedy
O'Brien Sheetmetal
Max Schnapp
Tim Loth
Commonwealth Electric
Karl Bengtson
Mike Rickard
Hayes Contractors
George Klein

KRAUS-ANDERSON of MPLS, Inc.
CONTRACTORS & CONSTRUCTION MANAGERS

RECEIVED

MAR 23 1978

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE



I. REVIEW OF MINUTES OF MEETING NO. 14

1. A. Walter Johnson is checked pump schedule to try to better the July 14, 1978 delivery date.
2. Commonwealth needs shop drawing back from University on variable speed starter drives. Order placed in August with 42 weeks required for delivery. I.C. will not arrive til July.
3. Basement mechanical room west wall can go up.
4. Fourth floor Jackson- when special finish starts, how do we ventilate ceiling, can go up in corridor.
5. Schedules can be made up for any specific area that is asked for. For example M307 can be complete 9/1/78, M356 will look at, J88 start July 15, 1978.
6. Waiting for schedule on Lamb's sinks

II. PROGRESS OF WORK

A. General Work Update

1. Basement - Removing existing casework on west J.O. 1 & 54 area. Waiting on special finish material for east area.
2. First Floor - Mason laying partition tile in corridors, laborers revamping floors of door foyers and setting door frames.
3. Second Floor - No activity, ready for drywall. Jackson north, setting door frames.
4. Third Floor - Waiting on drywall.

525 SOUTH EIGHTH STREET, MINNEAPOLIS, MINNESOTA 55404 PHONE: 612 332-7281



II. PROGRESS OF WORK Continued

A. General Work Update

5. ~~Fourth Floor Jackson~~ - Waiting on special finish. Casework on job and will follow special finish. Existing casework not moved.
6. Vault, Church St. - setting steel for roof slab. Concrete structural steel to follow.

B. Poppenberger

1. Installing metal studs on first floor, 2nd floor and some areas on third floor.
2. Core boarding around fumehoods on second floor for fireproofing.
3. Installing insulated board on exterior walls, first floor.
4. Fastening metal backing to steel studs for wall hung equipment.
5. Framing steel around Stair D.
6. Sheet rocking on the third floor.
7. Taping third.
8. Plastering second and third.
9. Lathing second and third.
10. Problems of interest, out of sheetrock, waiting a delivery 3/22/78, which will be all rock for third floor, to be followed shortly by all rock for second floor. Plumber holding on walls at west end of third floor, to do some core drilling (Room 351-can go ahead now). Get Modification 39A approved (ceiling heights).

C. Electrical

1. Installing inwall work on first, second, third, fourth floor, Owre.
2. Installing devices and working on fourth floor Jackson as much as possible.
3. Installing conduit for MCCB-2 panel in basement of B/C.
4. Working with block layers with electrical in block.
5. Working with K/A on demolition.
6. Installing fire alarm risers.

C. Electrical Continued

7. Received shipment of secondary switchboard for Millard Vault.
8. Received part shipment of secondary switchboard for Jackson-Owre.

D. Plumbing

- 3rd Flr.Owre
1. Cut in C. & H.W. tie-ins in Rms. West of Elevator #8.
 2. Will be core drilling on West end of third floor afternoon as scheduled with Gordy Dahlen.
 3. Working on fire line and hose cabinet in hall 3-08.4.
 4. Working on toilet room water piping on West end going into Millard, third floor.
 5. Have requested shut-down time for tying to existing services for air, vac. & gas on third floor West of Elevator #8.
 6. Working on dionized piping & risers.
- 2nd Flr.Owre
1. Working on nat. gas mains and branches.
 2. Working on glass waste and vent in ceilings and walls.
 3. Have been coredrilling on 2 when the schedule permits it above occupied rooms.
- 1st Flr.Owre
1. Working on waste and vent piping.
 2. Working on water piping, gas, air & vacuum.
 3. Core Drilling above rooms 12 & 15 according to schedule.
 4. Keeping up with demolition thru-out the building.
 5. Mod. on new acid vents. Now the walls are all being closed up, and our price didn't cover this work of patching & replacing.

E. Sheetmetal

1. Basement - Wiring heat recovery coil this week. Equip. Room duct being fabed. Room 22 and 21 complete.
2. First Floor - Duct scheduled for three weeks in corridors.
3. Second Floor - Rooms 298 & 297 duct being fabed, delivery in 2 wks. 90% of 2nd floor duct on job and will start installation by Monday.
4. Third Floor - vol. boxes should be up in Owre by Wed. nite. Corridor duct will be 95% done on third floor. Designing new route for

E. Sheetmetal Continued

4. toilet exh. on Millard side to penthouse 560. Rerouting 2 - 12" \emptyset stainless steel duct from fourth floor Millard to third floor Millard corridor and running up in spaces provided by E10 & 11 Room 560.
5. Fourth Floor - Diff. not all here but will have in as soon as they arrive.
6. Fifth Floor - Penthouse duct supplying fourth floor complete off of unit S-119.
7. Equipment on job. Registers on job 75%. Fans 1%; filters 100% - with except of elec. cells; sound traps 100%; motor dampers 100%; smoke dampers 100%.

F. Heating

1. B.C. Basement Floor - put up all 24" hangers going into unit B.C. equipment room. In progress of running 18" CWS and CWR P-1 & P-2.
2. Mayo Garage - Continuing running 14" CWS & CWR into equipment room M12.3 and into crawl space.
3. Third Floor East Owre - Finished running HWS & HWR and runouts for reheat coils. Tested and witnessed by Gordy Dahlen. Also covered pipe.
4. Third Floor West Jackson/Owre - Finished running 4" CWS, CWR from 5th floor penthouse Jackson to S.W. tower risers on third floor.
5. Third Floor West Jackson/Owre - Running HWS, HWR mains and runouts for reheat coils.
6. Second Floor East/Owre - Removed eight existing steam finned tube rad. stubbed out for new rad. and valved off.
7. First Floor West, East/Owre - Removed 11 exist. C.F., rad. and roughed in for new rad/w gate valves.
8. S.W. Tower - Working in inner shaft where L.P. steam, CWS & CWR are located. Putting in channel iron and guides for running risers.
9. Mayo Garage & S.W. Tower Yard - Unloaded 6 lengths 8" Sch 40, 4 lengths 6", 2 lengths 5", 12 lengths 4", 4 lengths 3", 4 lengths 2½" for S.W. Tower Risers.

III. GENERAL DISCUSSION AND NEW BUSINESS

1. Bruce Johnson reviewed modification 2 & 3, and 44 & 49 have been cancelled.
2. 7P, 9A, 22A, 23A, 24A, 25A, 26E, 27E, 28A, 29A, 32E, 33E, and 34E will be incorporated in Change Order No. 3.
3. Owre 143, glass piping may have to run below ceiling.
4. Will proceed on Modification No. 14E, also we may proceed on Modification 36E.
5. Modification 26E has been questioned by O'Brien Sheet Metal. Dick Hendricks is looking into it.
6. Cannot get 11⁰ x 2⁰ x 8⁰ (heights) wing coil into southwest tower, third floor.

The next project meeting will be held Tuesday, April 4, 1978, 1:30 p.m. at the jobsite, 2nd floor, Owre Hall.

AJN/mla

cc: University of Minnesota, Lamb Plumbing, Commonwealth Electric, Wm Poppenberger & Son, Kraus-Anderson of Mpls., Inc., Health Sciences Arch. & Eng., Inc.

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON of MPLS, Inc.
RECEIVED CONTRACTORS & CONSTRUCTION MANAGERS

KRAUS-ANDERSON JOB NO. 0150

APR 7 1978

JOB PROGRESS MEETING NO. 16
TUESDAY, APRIL 4, 1978

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE



ATTENDANCE:

U. of M.

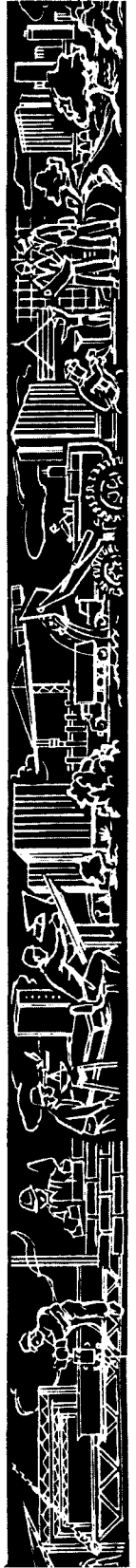
Gordon Dahlen
Dick Hendricks
Tom Kyle
Steve Fredell
Roy Anderson
Kraus-Anderson
Arne Nordli
Byron Yerigan
H.S.A.E.
Bruce Johnson

Lamb Plumbing
Charles Fritze
Jim Kehoe
O'Brien Sheetmetal
Max Schnapp
Commonwealth Electric
Mike Rickard
Karl Bengtson
J. Iversen
Hayes Contractors
George Klein

Haldeman-Homme
W. J. Homme
Darrell Turnock
Hamilton Industries
Len Coombs
Leeroy Koch

I. REVIEW OF MINUTES OF MEETING NO. 15

1. Variable speed starter drawing to be released by University this week.
2. Mech. room basement not ready for partition tile yet.
3. Existing casework - 3 pcs. still missing for Jackson North, 4th floor.
4. Room 351 should be ready for Poppenberger this week.
5. This Thursday the third floor Owre West of elevator #8 will be closed down to complete work.
6. 356 Millard - waiting on diffuser, should be here May 1, 1978.
7. Modification #36E, we were told to proceed with work by University two weeks ago.
8. Modification 26 still is under consideration. Can we proceed or not?
9. Outstanding Modifications are: 11A, 14E, 15E, 16A, 18E, 19A, 20E, 30A, 31E, 35E, 36E, 38A, 39A, 40A, 41A, 42A, 43E, 45E, 46A, 47E, 48A, 51P, 52P, 53E, 54E. A review of 54E should be made immediately.



II. PROGRESS OF WORK

A. General Work Update

1. Basement- Owre - Special finish being held up due to condition of plaster in animal rooms. Ceilings in "O" 25, 25.1 & 25.2 being held up by sheet metal. Access panel needed by sheet metal. Mech 19.2 being held up by sheet metal. Owre-1 ceiling being held up by Modification 54E. Demolition in progress. Millard 22 - demolition and partition tile walls being worked on.
2. 1st Floor- Owre - in wall work holding up some areas, ductwork at 125.1 and other areas to be noted by Kraus-Anderson and all subcontractors to determine why work isn't proceeding.
3. 2nd Floor - In wall work holding up some areas, 2nd Floor Jackson.
4. 3rd Floor - In wall work holding up some areas.
5. 2nd Floor Jackson - partition tile being laid up 4th floor.
6. Jackson North - Special finish can proceed.

B. Haldeman Homme - Casework

1. Jackson North - All existing casework is needed to complete work. Existing casework should be figured out for future areas, i.e. where existing casework comes from.
2. 2nd Floor Owre- Casework ready for shipment. Schedule is being disrupted since jobsite work is not far enough along to receive casework that is available.
3. 3rd Floor Owre Casework - remaining casework will be at jobsite this week. Storage area needed.
4. Haldeman Homme will get a listing of sinks from Lamb showing sink type and location.

C. Poppenberger

1. All metal stud framing, on third floor is complete, except around Stair D.
2. Application of gyp board is 70% finished on third floor.
3. Base coat plaster and veneer plaster is complete in corridor 3-08. Would appreciate some caution in this corridor when moving materials. Have already noticed chips and nicks.

II. PROGRESS OF WORK

C. Poppenberger Continued

4. Core boarding around fume hoods second.
5. Framing misc. areas on all floors.
6. Taping on third floor.
7. Grouting doors on first floor.

D. Electrical

1. Installing inwall work on first, second, third, fourth floor Owre.
2. Installing inwall work on second floor Jackson.
3. Installing bus duct in southwest tower.
4. Installing fire alarm system.
5. Installing transformer & switch-gear pads, cable tray & wire in Millard Vault.
6. Working with block layer with electrical in block.
7. Working with Kraus-Anderson on demolition.
8. Waiting on work to be done on Modification 14E, which is being done by Lamb. Lamb will require outage for this work, Room Millard #9.

E. Plumbing

1. 3rd Floor Owre - All core drilling done w/exception of Room 350, where sheet metal shop is now set up. Working on in-wall piping 351 & 352. Also in Rooms 364 & 364.2. We need Group I shop drawings for these areas which, we now have. In Room 352, we hit conduit while core drilling, so we stopped and are awaiting direction from Gordy Dahlen, before proceeding with work. We needed Group I shop drawings for this area also.
2. 3rd Floor Millard - Main bath room has been completed and tested and pipe cover is covering it. All hot & cold water is now tied into existing services. Have requested shut downs for vac., air, & gas, to tie into new systems.
3. 2nd Floor Millard - Working on rough-in of large bath room #208.1 and 208.4.

II. PROGRESS OF WORK

E. Plumbing

4. 2nd Floor Owre - Working on inwall work on second floor for services. Core drilling above occupied areas when permissable.
5. 2nd Floor Jackson - Working on welded gas piping in concealed areas in Rooms 297 & 298.
6. Basement-Owre - Working on demolition of services to case work in this area.

F. Sheetmetal

1. Basement - Heat recovery coil needs to be piped for condensate to floor drain. Equip. room duct for filters are being installed to unit S-120.
2. Second Floor - Corridor duct being run down hall. Need stainless steel core boarded crossing hall before duct can be continued. Vol. boxes being hung and low pressure duct be hung.
3. First Floor - Roy Anderson to look at first floor toilet area to see if we can get 12X8 dn. to basement toilet.
4. Third Floor - Corridor duct 99% finished. All rooms except 350, 364 & 350 ready for ceiling. Need some direction on toilet exh. for 3rd flr. & 4th fl.
5. Setting filters in towers and hanging some fans in about one week.
6. Fourth floor Millard S.E. - duct location at toilet not decided.

G. Heating

1. B.C. Basement - Finished 24" hangers and continuing running 18" CWS & CWR.
2. Mayc Garage - Continuing to run 14" CWS, CWR from equipment room to crawl space.
3. Third Floor East/Owre - Finished HWS & HWR mains and runouts. Now piping reheat coils.
4. Third Floor West Jackson/Owre - Finished running HWS & HWR and tested (witnessed by Gordy Dahlen) now piping reheat coils.
5. Basement West/Owre - Piped 3 steam convectors in corridor 19.1. Piped two reheat coils in rooms 25 and 25.1.
6. Sub-basement East/Millard - S-9 working on Mod. 14E rerouting of 4" steam (H.P.) 3" cond. 1" airline and 3/4" return drip.
7. Fourth Floor West/Jackson - Piped 17 hot water convectors rooms 496 and connected to existing heating risers.

III. GENERAL DISCUSSION AND NEW BUSINESS

1. Fume hood can be taken out of 221 Millard. Why isn't this work being done per Dick Hendricks.
2. 1-P Modification of Change Order G-1 is being revamped somewhat. Credit former submitted will be reduced, a new cost will be forthcoming.

The next project meeting will be held Tuesday, April 18, 1978, 1:30 p.m. at the jobsite, 2nd floor, Owre Hall.

AJN/mla

cc: University of Minnesota, Lamb Plumbing, Commonwealth Electric, Wm Poppenberger & Son, Kraus-Anderson of Mpls., Inc., Health Sciences Arch. & Eng., Inc.

KRAUS-ANDERSON of MPLS, Inc.
CONTRACTORS & CONSTRUCTION MANAGERS

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB NO. 0150

JOB PROGRESS MEETING NO. 17
TUESDAY, APRIL 18, 1978

ATTENDANCE:

U. of M.

Tom Kyle
Gordon Dahler
A. W. Johnson
Steve Fredeil
Gordon Lindholm
Roy Anderson
Kraus-Anderson
Arne Nordli
Byron Yerigan
H.S.A.E.
Bruce Johnson
Abbott Co.
Paul Abbott

Lamb Plumbing
Jim Kehoe
O'Brien Sheetmetal
Tim Loth
Commonwealth Electric
Mike Rickard
Jack Iversen
Hayes Contractors
George Klein
Wm Poppenberger
Sherman Prescott
Clayton Gausman

I. REVIEW OF MINUTES OF MEETING NO. 16

1. Mech. room partition must be set further West, need location, and an access panel, 24x24-1 hr.
2. One piece of casework still missing for 4th floor Jackson.
3. Millard 356 still waiting on diffuser.
4. Modification No. 26- Tim, O'Brien Sheet Metal, says the fan is inadequate. See new business.
5. Modification No. 54E is rejected, work by University. Modification No. 35E will be reviewed immediately, but we can proceed with work.
6. Modification 54E work by University will hold up some demolition.
7. In wall work at 2nd floor Jackson is waiting on an outage.
8. Core board, 4th floor Jackson at fume hoods needs taping.
9. Mech. room No. 9, outage hasn't been made yet. Relocation of pump is part of job.



II. PROGRESS OF WORK

A. General Work Update

1. Basement- Demolition underway, West area. Special finish being done East area. Waiting on three access panels and location of West partition tile wall of mech. room. Ceilings waiting on diffusers from sheet metal.
2. First Floor- Patch partition tile, pouring concrete floors, working on door entrances. Three locations waiting on in-wall work.
3. Second Floor- Some in-wall work holding up closing of walls, three locations.
4. Second Floor Jackson- Need an access panel @ "J"297, plasterer to start a week from Monday.
5. Third Floor- Patching of walls being completed. Clean-up of complete area by all trades.
6. Fourth Floor Jackson- One ceiling not in, casework held up by plumber on water saver fixtures.
7. Fourth Floor Owre- New steel layout will allow us to leave the corridor as is, no removal.

B. Haldeman Homme

1. Being held up fourth floor Jackson by plumber, being held up on third on tops because of no sink location schedule.

C. Poppenberger

1. Hanging sheet rock second and third; plastering on third; coring boarding floors 2 and 3.

D. Electrical

1. Installing fixtures, third floor Owre.
2. Installing inwall work on first, second and third floor Owre.
3. Completed inwall work second floor, Jackson.
4. Installing cable tray second floor, Jackson and Owre.
5. Working on Jackson, Owre and Millard vaults.
6. Working on finish work fourth floor Jackson.
7. Installing fire alarm system.

II. PROGRESS OF WORK Continued

D. Electrical

8. Working with block layer with electrical in block.
9. Working with K/A on demoltion.

E. Plumbing

1. Third Floor Owre- Complete as far as possible at this time. All services tied in to mains, in all rooms. 4" fireline riser is run up to third floor from basement. All fire hose cabinets are piped back to risers.
2. Second Floor Owre- 80% of waste, vent, water and gases are roughed in and tested.
3. Second Floor Millard- Working on water piping in main bathrooms No. 208.1 and 208.4.
4. Second Floor Jackson- Natural gas piping was tested and tied into existing mains in rooms No. 297 and 298. Mod. 36E- new acid vents, complete to third floor. Core drilling for fire riser in Millard on Basement, 1st, 2nd, 3rd floor. Working on fire riser in Jackson on 2nd and 3rd floor. Rerouted some existing line in crawl space for chilled water supply and return. A mod is supposed to be issued for this work.
5. First Floor Owre- working on gas piping in ceiling and walls. 85% of waste and vent is roughed in, in this area, but not tested yet. Water piping is 90% done and tested.

F. Heating

1. B.C. Basement- Completed running 18" CWS and CWR and made tie-in to 30" main.
2. Mayo Garage- Completed running 14" CWS and CWR to crawl space.
3. Basement Jackson/Owre- Insulating 3 steam cabinet unit heaters, Rooms 25, 8.3, 8.2.
4. Sub-basement/Millard- Completed Mod. 14E. Rough-in new steam and condensate piping for relocating water heater.
5. New Mech. Equipment Towers- Installing steam, CWS and CWR risers in S.W. Tower. Moved steam wing coils to proper locations in S.E. Tower.
6. Crawl Space Jackson/Owre- Working on 12" and 10" CWS and CWR piping in this area, cutting pipe to half lengths and installing hangers.

II. PROGRESS OF WORK Continued

G. Sheet Metal

1. Basement Room 54- Old duct to be removed any time (about a week.)
2. First Floor- starting on corridor on East end with two men.
3. Third Floor- Everything done except diffuser and toilet exhaust duct east end.
4. Rooms 298 and 297 duct being installed and completed in two weeks.
5. Fourth floor, Room 458, duct being installed and complete by Friday.

III. GENERAL DISCUSSION AND NEW BUSINESS

1. Corridor on Millard, third floor, Poppenberger must fireproof all the fume ducts. Poppenberger would like to provide a ceiling clear across the corridor to enclose all ducts. Poppenberger should make up a small drawing.
2. Poppenberger noted that there are a number of patchings that are to be paid for by the respective subcontractor doing the work.
3. Modification No. 1P revised, price needs approval. University says to proceed per A. Walter Johnson.
4. Special attention should be given by Lamb for Jackson fourth floor and Owre third floor to get casework going.
5. Some areas are running low on electricity, possibly due to construction or is there just inadequate current.
6. Fan E-21 is giving out 1400 CFM, per O'Brien. Roy Anderson says it produces 4,000, University should put equipment on this fan to measure this air.
7. New chilled water lines in crawl space at Jackson-Owre, requires two modifications by heating before work can proceed. University said to go ahead with the pending modification. Duct work, condensate line, and sanitary sewer line are obstructing the path of the new chilled lines.
8. S-107 unit cannot go into tower. This problem must be resolved immediately.
9. How many access panels do we need throughout the project. Can't some foresight be used on this?

The next project meeting will be held Tuesday, May 2, 1978, 1:30 p.m. at the jobsite, 2nd floor, Owre Hall.

AJN/mla

cc: University of Minnesota, Lamb Plumbing, Commonwealth Electric, Wm Poppenberger & son, Kraus-Anderson of Mpls., Inc., Health Sciences Arch. & Eng., Inc.

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB NO. 0150

JOB PROGRESS MEETING NO. 18
TUESDAY, MAY 2, 1978

ATTENDANCE:

U. of M.

Jack Geretz
Gordon Dahlen
Gordon Lindholm
Tom Kyle
Roy Anderson
Steve Fredell
A. W. Johnson
Kraus-Anderson
Arne Nordli
Byron Yerigan
H.S.A.E.
Bruce Johnson
Abbott Co.
Paul Abbott

Lamb Plumbing
Chuck Fritze
Jim Kehoc
O'Brien Sheetmetal
Max Schnapp
Don Boeser
Commonwealth Electric
Karl Bengtson
Mike Rickard
Haldeman Homme
Darrell Turnock
Bill Homme
Hauenstein & Burmeister, Inc.
Jerry Lang
Poppenberger
Sherm Prescott



I. REVIEW OF MINUTES OF MEETING NO. 17

1. Millard 356 diffuser still missing.
2. Modification 54E controversy needs expansion of discussion.
3. Need two additional access panel 16x16 for ceiling of corridor, Owre basement east, room Owre 19.1. Ceiling of Owre 25-diffusers missing from sheet metal. These diffusers are ordered for lay-in ceilings but plaster ceilings are scheduled.
4. Haldeman Homme waiting on cup sink physical sample. Also, need clarification of sink locations for third floor Owre.
5. Modification 1P revised was approved. General to inform involved subcontractors.
6. Millard third floor corridor, proposed fireproofing by Poppenberger is approved; letter forthcoming.
7. Modification in progress for chilled line obstruction in crawl space-Jackson Owre.
8. S-107 unit-still not resolved as to how to get it into the S.W. Tower.



II. PROGRESS OF WORK

A. General Work Update

1. Basement- Demolition west end, Sanders seamless floor east end, complete masonry east end.
2. First Floor- Terrazzo patching, east end.
3. Second Floor- Masonry complete, concrete patching complete.
4. Third Floor- Miscellaneous concrete patching. Need core drilling to fourth floor.
5. Jackson, 2nd- Hollow metal set. Need existing casework for H.H.
6. Fourth Floor- Fume hood doesn't fit. How about sinks and water saver material?
7. Vaults- ready for waterproofing.

B. Haldeman Homme

1. Fourth Floor Jackson- two existing hoods won't fit. Need cup sink, sink sizes and location for third floor.

C. Poppenberger

1. Installing metal studs on first floor. Installing gyp board on second. Installing core board on all floors to fire proof fume hoods. Taping on third floor and second floor. Plastering on third floor (vener) (base coat). Plastering on second floor. Lathing base for terrazzo on first floor. Minneapolis lathers on strike.

D. Electrical

1. Doing finish work fourth floor Jackson.
2. Pulling wire, hanging fixtures, finishing piping third floor Owre.
3. Installing inwall work basement, first, and second floors Owre.
4. Working on Jackson-Owre and Millard vaults.
5. Installing fire alarm system.
6. Working with block layers with electrical in block.
7. Working with K/A on demolition.

II. PROGRESS OF WORK

E. Plumbing

1. Fourth Floor Jackson- Have all water saver trim, all Haws Trim for emerg. showers, and eye washes. Three stainless steel sinks for island counters, we are waiting on Durcon cup sinks, and Kohler fixtures. Now installing trim and fixtures on fourth floor Jackson.
2. Our core drilling has been delayed on first floor due to occupied areas below. We have scheduled with Gordy Dahlen for access to these areas.
3. We are working on flr. drn. in Rm. 9, Millard, so hot waters can be moved.
4. We have a shutdown scheduled for all day for Thursday to shut down gas and water to move these lines in the crawl space for chilled water lines.
5. Work continues on fire line in crawl space. Also, working on gas piping and vacuum piping on first floor Owre.

F. Heating

1. Crawl Space, Jackson/Owre- Installing 10" CWS & CWR, Additional 10" pipe delivered to jobsite and cut to half lengths for installation.
2. New Mech. Equipment Towers- Installing heat recovery supp.-ret. & reverse ret. risers and reheat S&R risers in S.W. Tower. (installing guides & hangers, preparing for pipe installation.)
3. New Stair D (all floors)- Moving heating risers as per Mod. 35E.
4. Second Floor Jackson/Owre- Installing reheat S&R. Remove window air cond. from sheetmetal housings. (Mod No. 15E)
5. Second Floor Jackson, Rooms 297-298- Installing reheat S&R.
6. First Floor Owre- Removing cast iron rads.

G. Sheet Metal

1. Basement- Dog run area, unit S-120 filter access door for filter motor being installed. Waiting on diffusers for plaster ceilings on all floors. Lab area ready for drawing up.
2. First Floor- Running ducts down corridors and installing vol. boxes.

II. PROGRESS OF WORK

G. Sheet Metal

3. Second Floor- Ducts are in corridor and vol. boxes in rooms, 95% done. Rooms 298 & 297 are complete and ready for ceiling. Corridor also ready for ceiling.
4. Third Floor- Waiting on diffusers and running toilet exh. on east end of third floor. Diffuser should be here next week.
5. Towers- Working in Towers and cutting holes for duct work through floors.
6. Fourth Floor- Need fume hood installed on fourth so I can measure for connection on stainless steel. (cutage needed) Need to run S-S up on South end of Jackson corridor to pent. to get out of third floor.

III. GENERAL DISCUSSION AND NEW BUSINESS

1. Fourth floor Owre core drilling of floor to third floor to start immediately.
2. Ceiling on third floor Owre waiting on diffuser. We could change to lay-in ceiling type diffuser.
3. Eleven areas holding-up Poppenberger. Lathers are out on strike.
4. Demolition work fourth floor Owre South of corridor can start immediately.
5. Commonwealth-motor control for pumps not available til September 1978. Pumps will be available May-June 1978.
6. Commonwealth will need six weeks to get existing equipment out of Church vault, therefore, the waterproofing over top of vault cannot be done til after this.
7. No ventilation for fume hoods third floor Owre available til July-August 1978.
8. No locks for any of the casework are on job. These will not be on the job for some time due to a hold-up on approval of locks by University.

The next project meeting will be held Tuesday, May 16, 1978, 1:30 p.m. at the jobsite, 2nd floor, Owre Hall.

AJN/mla

cc: University of Minnesota, Lamb Plumbing, Commonwealth Electric, Wm Poppenberger & Son, Kraus-Anderson of Mpls., Inc., Health Sciences Arch. & Eng., Inc.

KRAUS-ANDERSON of MPLS, Inc.

CONTRACTORS & CONSTRUCTION MANAGERS

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

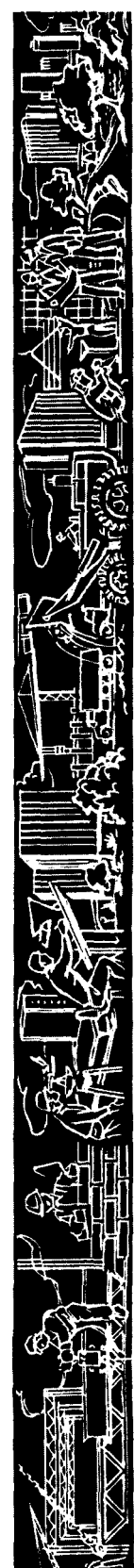
KRAUS-ANDERSON JOB NO. 0150

JOB PROGRESS MEETING NO. 19
TUESDAY, MAY 16, 1978

RECEIVED

MAY 19 1978

**UNIV. OF MINN.
HEALTH-SCIENCE
PLANNING OFFICE**



ATTENDANCE:

U. of M.

A. W. Johnson
Tom Kyle
Gordon Lindholm
Steve Fredell
Gordon Dahlen
Roy Anderson

Kraus-Anderson
Arne Nordli
Byron Yerigan

H.S.A.E.

Bruce Johnson
Bill Poppert

Lamb Plumbing

Jim Kehoe
Charles Fritze

O'Brien Sheetmetal

Tim Loth
Don Boeser

Commonwealth Electric

Jack Iversen
Mike Richard

Poppenberger

Sherm Prescott

I. REVIEW OF MINUTES OF MEETING NO. 18

1. Diffusers are all on job.
2. Still need schedule for work by University on Mod. No. 54E. Work on duct presently being done.
3. Cup sinks to arrive next Monday. Haldeman Homme needs physical sample for cut-outs.
4. Need another proposal for S.W. tower access of S-107 Unit.
5. Modification being prepared on existing fume hood to cut base down 6".
6. Lathers still on strike.
7. Kohler fixtures are two weeks away.
8. Room 9 Millard, hot water to be moved this Thursday, work to be completed at one shut-down.



I. REVIEW OF MINUTES OF MEETING NO. 18 CONTINUED

9. Eight areas are being held up for Poppenberger's work, third floor due to lather's strike.
10. Ventilation for third floor Owre fume hoods to be completed by June 23, 1978.

II. PROGRESS OF WORK

A. General Work Update

1. Owre Basement West- Setting door frame, mason working on windows, finishing demolition.
2. Basement East- Spray glaze complete except for ceilings in five animal rooms. Corridor to remain as is til ceiling is complete. Waiting on lathers.
3. Owre First Floor- Waiting on plumbers and pipe covers to close up walls, 3 or 4 locations. Terrazzo almost complete.
4. Owre Second Floor- No work by us.
5. Owre Third Floor- Casework setting fume hoods. Waiting on countertops possibly to arrive this week. Ramp to be poured tomorrow, third floor waiting on plumber for fire hose connection. Waiting on outage.
6. Fourth Floor Owre- Cut out floor slab for stair "D". Waiting on plumber for core drilling from fourth to third.
7. Fifth Floor Owre- Opened up some walls for electrical and access openings for sheet metal.
8. Second Floor Jackson- Waiting on plumber to run gas line and pipe covering.
9. Fourth Floor Jackson- Floor tile people on strike. Hanging wood doors
10. Vault- Church St.- Waiting on electrical before we waterproof.

B. Poppenberger

1. Installing drywall on the second floor. Putting on foam backed sheetrock on first floor. Putting up backing for wall hung equipment on first floor. Installing core board around fume hood duct work, for fireproofing 2nd flr. Framing&sheet rocking some ceilings on 2nd & 3rd. Plastering over new clay tile and patching for other trades as required 2nd floor. Taping on 2nd floor.

II. PROGRESS OF WORK

C. Electrical

1. Pulling wire, hanging fixtures 3rd floor Owre.
2. Installing inwall work basement, 1st floor and finishing inwall work 2nd floor Owre.
3. Working on Jackson-Owre and Millard Vaults.
4. Installing fire alarm system.
5. Working with block layers with electrical in block.
6. Working with K/A on demolition.
7. Working on feed for MCC-1 5th floor Owre.

D. Plumbing

1. Fourth Floor Jackson- Finishing about 70% complete. Cup sinks will be shipped tomorrow by UPS, and should be here by Monday, 5/22/78.
2. Fourth Floor Owre- Started layout work today in areas available.
3. Second Floor Owre- Rough-in is complete with exception of Southwest corner. All piping done in ceiling of Deans Office Room 139.
4. First Floor Owre- Rough-in is 90% complete.
5. First Floor Millard- Holes drilled and piping completed in ceiling of Dr. Howard Office. Fine line system in basement crawl space is about 85% complete. All risers are completed as far as we can go.
6. Basement West Owre- Layout is complete and core drilling has been started.

E. Heating

1. Crawl space-Jackson/Owre; East-installing 10" & 12" C.W. mains; West-installing hangers for 10" C.W. mains; also moving half lengths of 10" pipe into crawl space and preparing for installation.
2. New S.W. equipment tower, installing reheat and heat recovery risers in S.W. tower.
3. Second Floor Jackson- Installing control valves in existing rad. 297-298, installing new rad. in 298.3 - piping reheat coils rooms 297 & 298.

II. PROGRESS OF WORK

E. Heating

4. Second Floor Owre- Piping two reheat coils, rooms 210 and 242.
5. Third Floor Jackson/Owre- Installing radiation in North corridor 3-07.2, 3-08. Installing rad. supports and hanging rad. - rad. will be piped after another contractor rad cover supports.
6. Need detailed drawings on deep shaft (5" HP Steam) anchors- guides- pipe location- H.P. trap.

F. Sheet Metal

1. Basement- Unit S-120 FA duct here and being installed, same for exh. Reg. and Diff. ready for installation after ceiling is painted in animal room area. G.E. fan no. 120 being measured for fabrication need floor opened on fifth floor to locate duct and set fan.
2. First Floor- Corr. duct down Millard will be complete today and room being fed from duct ready for walls to be completed. Continuing to run main sup. & ra. and exh. duct down corr. of Owre and branch into rooms. Need outage on rooms going into towers for all floors being supplied by tower equip.
3. Second Floor- Completed as much as possible, waiting on ceilings for diff. installation. Need room outage for measuring duct going into tower. Glazed tile to be removed on S.W. corner of Jackson to get old riser out of chase, from basement to penthouse 560 Jackson. See about saving tile with General.
4. Second Floor- Mod. 15E blank off over window cabinet for A/C units are in, waiting for sheetrock and plasterer and painter to complete cabinet installation.
5. Third Floor- Diffs. being installed where ceilings are in. Fume hoods are being set later this week. Corr. of Millard having S.S installed up through 4th floor and into penthouse 560.
6. Fourth Floor- Duct for third floor S.S. being measured and openings on fifth floor being cut through floor. Rooms 496 area all diff. in and fume hood connections being fabed. Waiting on fume hood in one room to be cut down to fit below ceiling.
7. Towers- Housing panels are here and being installed as soon as possible. fans in towers are hung. Wing coil in Unit S-107 need, it's keeping me from completing housing. Penthouse 580 Jackson ready to have louver cut in and flashed.

III. GENERAL DISCUSSION AND NEW BUSINESS

1. Second floor Jackson Owre- O'Brien Sheet Metal may have to tear down existing glazed tile walls to remove some duct work.
2. Need detailed drawings for deep shaft steam heat piping. There is a great deal of piping that needs direction in order to make connections and build expansion joints.
3. Motor Control- Fifth Floor- needs to be moved. Gordon Dahlen would like to move this motor into the corridor 6 inches.
4. Room 356 Millard- Can an extension of air conditioning be run to this room.
5. Fourth Floor, Jackson- Painter would like to be the last trade but electrician has cover plates and other finishing to do. Painter will proceed before floor coverer since they are on strike.
6. Mod. No. 39A- Lower ceiling maximum 8'6"-minimum 7'6", first floor rooms 111 and 113. Not approved by Tom Kyle. Plumbing work is done to the 7'6". Poppenberger needs correct ceiling heights for his window fascias.
7. Steam for heating season for the whole building is needed no later than September 1, 1978. Tim Loth to give a schedule for all heating items.
8. A schedule from Hayes Contractors was passed out to all parties. We invite comments from all interested parties.
9. Gordon Dahlen wants to wait on scheduling of fourth floor Lyon new countertops because of the possible plumber strike. There are only three sinks that may have to be removed and K/A feels that this does not warrant any delays. We should go ahead with scheduling of this work.

The next project meeting will be held Tuesday, May 30, 1978, 1:30 p.m. at the jobsite, 2nd floor, Owre Hall.

AJN/mla

cc: University of Minnesota, Lamb Plumbing, Commonwealth Electric, Wm Poppenberger & Son, Kraus-Anderson of Mpls., Inc., Health Sciences Arch. & Eng., Inc.

KRAUS-ANDERSON of MPLS, Inc.

CONTRACTORS & CONSTRUCTION MANAGERS

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB NO. 0150

JOB PROGRESS MEETING NO. 20
TUESDAY, MAY 30, 1978

ATTENDANCE:

U. of M.

Tom Kyle
Gordon Dahlen
Jack Geretz
Steve Fredell
Roy Anderson
Kraus-Anderson
Byron Yerigan
Commonwealth Electric
Jack Iversen
Ken Fritz

Hayes Contr.

Tim Loth
Charles Fritze
H.S.A.E.
Bruce Johnson
Poppenberger
Sherman Prescott
Lamb Plumbing
Owen Schilling

I. REVIEW OF MINUTES OF MEETING NO. 19

1. Wing unit has been installed in S.W. Tower
2. Lathers have settled and are back on job.
3. Kohler fixtures are on job, but durcon cup sinks have not arrived. We cannot complete Jackson 4th or Owre 3rd without these cup sinks.
4. Millard 1st floor, outage required for risers, Tom Kyle is working on this.
5. Detailed drawings of deep sahft (5" HP Steam) will be provided by G. Dahlen by Bjerken (shop fitter supt.)
6. Sheet Metal- 4th floor Jackson, cooling system not complete, need badly.
7. Motor control, 5th floor Owre, these units are moved into the Corridor, 6".
8. Room 356 Millard air conditioning extension, user's request will be handled by Tom Kyle.
9. Tim Loth will have steam available for heating by September 15, 1978.
10. What is the new schedule for 4th floor, Lyon.



II. PROGRESS OF WORK

A. General Work Update

1. Door frames set and masonry work at windows completed Rooms 1 Owre and 54 Jackson Owre.
2. Ceiling finishes completed in animal rooms Owre basement.
3. Lathers installing the wire lath in Owre Rooms 19.1, 25, 25.1 and 25.2.
4. Waiting for plumbers and pipe coverer at Owre first floor rooms East of elevator.
5. Removing casework from Owre Room 210, Millard to allow mechanical trades to get dimensions for ducts and piping.
6. Owre third floor waiting for the counter tops, expected delivery 5/31/78.
7. Owre fourth floor demolition for Stair D and also to allow plumbers to get core drilling of floors for third floor services penetrating upward.
8. Jackson fourth floor wood doors hung, waiting for locks. Floor tile installation begun.
9. Owre fifth floor ceiling and wall demolition continues for sheet metal subcontractor O'Brien Sheetmetal.

B. Poppenberger

1. Framing miscellaneous walls on second.
2. Framing miscellaneous walls on third.
3. Framing window pockets on third, second, first, floors.
4. Framing in basement West end.
5. Installing sheetrock second floor.
6. Installing sheetrock Stair D.
7. Installing sheetrock miscellaneous area third floor.
8. Foam board installation on first.
9. Taping on second floor.
10. Plaster second floor and miscellaneous room on third.
11. Lathing on basement ceilings.

II. PROGRESS OF WORK

C. Electrical

1. Hanging fixtures basement animal rooms. Installing conduit and plaster frames in room 25, 25.1 and 25.2.
2. Installing inwall work basement first floor.
3. Working on Jackson-Owre and Millard vaults.
4. Installing fire alarm system.
5. Working with block layers with electrical in blocks.
6. Working with K/A on demolition.
7. Working on MCC-1, 5th floor Owre.

D. Plumbing

1. Third floor Owre-Jackson Room 350, holes core-drilled and waste and vent done; all other services done but not tied-in.
2. Second floor Owre-Jackson, (Dr. Sullivan Lales) working on waste piping in ceiling, above labs as scheduled.
3. Fourth floor Owre, have started core-drilling and piping in available areas.
4. Basement Owre, core-drilling has been completed should be able to start piping after June 1.
5. Basement Millard Room 9, water heater has been relocated.

E. Heating

1. Crawl space beneath Millard, installing 12" CW mains to Mayo Garage.
2. S.E. Mech. Tower, building and installing coil stands. Moving coils from Mayo Garage-Tower. Mount wing coils on stands S100-S101 & S102.
3. Third Floor Owre, reinstalling finned tube radiation and repiping. Installing new control valves.
4. Basement Owre, Installing humidifier Room 19.2 (unit S120).
5. Crawl space beneath Owre, installing 10 CW mains to SW Tower.
6. S.W. Mech Tower, completed reheat and heat recovery risers. Moved cooling-heat recovery and reheat coils to third floor. Building and installing coil stands. Mount wing coils S104 and S107.

II. PROGRESS OF WORK

E. Heating

7. Steam Shaft Lyon Lab, 5" pipe for shaft delivered to job, preparing shaft for pipe (remove hatch door and shaft cover). Have held two special meetings relating to deep shaft piping. Lamb Plumbing & Heating has now issued a memo describing installation procedure and without further feed back will proceed with installation.

F. Sheetmetal

1. Basement-Unit S-120 filter and FA duct complete. GE120 duct being processed in shop. Setting diffusers in rooms 25, 25.1. Regs & diffusers in room 19 are in. Drawing up duct on Jackson/Owre and will be sent in shop today. Need to get in Mortuary Science Room 58-54.1-54 to get in tower. Some electrical may have to be moved for duct, should be looked at.
2. First Floor, running duct down corridor and branches into rooms. Complete between two to three weeks.
3. Second Floor, complete as far as duct work. Need ceilings for diff.
4. Third Floor, installing diffusers and in rooms that have ceilings in. Fume hoods are being hooked up tomorrow, on third floor.
5. Fourth Floor, stainless steel duct on fourth floor here on site and being installed to fans on fifth floor corridor fan connections and duct to roof discharge will be installed also, will need roof curbs in and roofed before S-S drops can be put in.

Curb for S-S on penthouse of Jackson 580 should be installed now so fan hookups to fume hood on fourth floor can be measured.
Need GE-119 louver installed for hook up to fan can be measured.

6. Towers- Housings being installed on third floor now that coil is inside. Duct work starting to be delivered on site for SE Tower third floor. Duct for SW Tower to follow. Second and First Floor housings are about 50% complete, waiting for supply fans.

III. GENERAL DISCUSSION AND NEW BUSINESS

1. Question of occupancy of rooms even though certain mechanical constructions are not complete and operational, will be taken up with the University's Environmental Health and Safety Dept. as well as with the building officials in charge. Architect states the project was designed in quadrants with the above problem in mind.

III. GENERAL DISCUSSION AND NEW BUSINESS

2. The delay in completion of phases 1 and 1a was discussed and it appears that material deliveries are the main cause for the delay.
3. The strikes by lathers and floor layers also contribute to the delays now, especially some of the third floor Millard storage rooms and fourth floor Jackson laboratories.
4. Insulation and ventilation requirements for the electrical vault additions were discussed by Steve Fredell. The electricians are working on the change overs to transformers and switchgear and they will have Steves assistance to coordinate outages for switchovers. The equipment that is to be removed from the vaults cannot be removed until switchovers are complete. Upon completion and removal of equipment the vault waterproofing can be completed.
5. Roy Anderson cautioned the piping trades that the required sleeves thru walls and floors must be provided as specified and floors must be provided as specified and should be installed as soon as piping is installed and not left to do later because piping especially the glass gets mortared or plastered in solid. The air conditioning chilled water and other equipment will not be completed by the July 15th date given earlier by the mechanical subcontractors. They state the system is so complex that delay is not avoidable. According to this discussion it appears no air conditioning (cooling) will be available during this upcoming cooling season.
6. Gordon Lindholm cautioned the plumbers to see that the glass piping installed vertically in walls is properly and adequately protected from breakage when walls are erected or patched around this piping. This will avoid having to tear into the walls after completion to repair breaks.
7. The drywall foreman requested cooperation from other trades who have stored materials in his way to erect walls in basement of Owre and Jackson Owre.

The next project meeting will be held Tuesday, June 13, 1978, 1:30 p.m. at the jobsite, 2nd floor, Owre Hall.

AJN/mla

cc: University of Minnesota, Lamb Plumbing, Commonwealth Electric, Wm Poppenberger & Son, Kraus-Anderson of Mpls., Inc., Health Sciences Arch. & Eng., Inc.

KRAUS-ANDERSON of MPLS, Inc.

CONTRACTORS & CONSTRUCTION MANAGERS

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB NO. 0150

JOB PROGRESS MEETING NO. 21
TUESDAY, JUNE 13, 1978

ATTENDANCE:

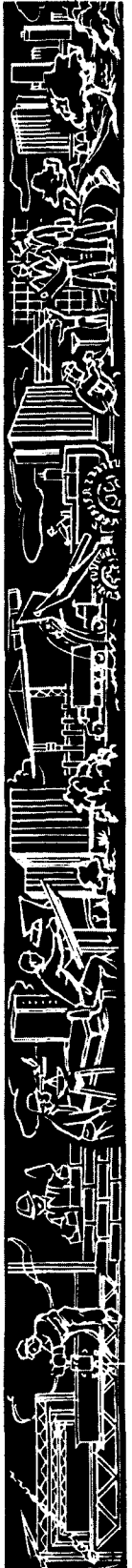
U. of M.
Gordon Dahlen
Tom Kyle
Steve Fredell
Jack Geretz
Roy Anderson
Kraus-Anderson
Arne Nordli
Byron Yerigan
Commonealth Electric
Mike Rickard
Karl Bengtson
Jack Iversen

H.S.A.E.
Bruce Johnson
Lamb Htg.
Mike Thole
Hayes Contractors
Tim Loth
Poppenberger
Sherm Prescott

RECEIVED

JUN 16 1978

**UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE**



I. REVIEW OF MINUTES OF MEETING NO. 20

1. Cup sinks for fourth floor Jackson have arrived, remainder for third floor to be here next week.
2. Fourth floor Jackson cooling system cannot be completed without chilled water lines. These chilled water lines come from B.C. and will not be available for some time. University will occupy without air conditioning.
3. Need schedule for fourth Lyon.
4. Thursday meeting with University's Environmental Health & Safety to see what rooms can be used.
5. Change Orders No. 4 & 5 not issued by University.

II. PROGRESS OF WORK

A. General Work Update

1. Basement-Owre East, plastering being done, no casework in yet that Haldeman Homme furnishes.

Basement-Owre West, hollow metal frames all set. Room No. 54, how so we reset the frame at column where piping interferes.



II. PROGRESS OF WORK

A. General Work Update

1. Room 58, ceiling to be removed.
Millard 21-22, partition tile complete, plastering to begin,
Need radiation removed.
2. First floor-Owre, Room 125, waiting on University for pipe relocation.
This was asked three weeks ago.
First floor Millard, partition tile at corridor doors being set.
3. Second floor, Owre- acoustical ceilings grid, 80% complete.
4. Third floor, no work by us. Haldeman-Homme, countertops and
sinks hold up work.
5. Four floor Owre- steelworkers putting in Stair D. Waiting on outage
to remove piping and ductwork on fifth floor. This was asked a
month ago.
6. Fifth floor Owre- pouring bases for mechanical.
7. Jackson second floor, plastering to start tomorrow.
8. Jackson fourth- cup sinks to be cut in tomorrow. Seamless floor
to start Thursday. Painter to finish this week and next.
Is mechanical finished, yes, except for air conditioning.
9. Where are pipe coverers; they are on strike and will not vote again
til Friday.

B. Poppenberger

1. Framing in metal studs basement West Owre.
2. Rocking on first floor Owre, framing walls and soffits first floor Owre.
3. Some Misc. framing and sheet rocking on second and third floors.
4. Plaster ceilings in basement. Plaster browning and finishing on
second floor.
5. Lathing ceilings on third and second floor, lathing patches for
mach. trades all floors.
6. Lathing door head on first floor.
7. Taping and sanding on second floor.

II. PROGRESS OF WORK

C. Electrical

1. Pulling wire, hanging fixtures third floor Owre.
2. Installing fixtures, pulling wire second floor Owre.
3. Installing inwall work, first, second floor Owre, Millard.
4. Working on Jackson-Owre, and Millard vaults.
5. Installing fire alarm system.
6. Working on MCC-1, fifth floor Owre.
7. Working with K/A on demolition.
8. Working with block layers with electrical in block.

D. Plumbing

1. Basement Owre,,Room 12- Completed waste piping in ceiling.
2. Basment Owre, Room 15- Completed 50% of waste pipe in ceiling.
3. First floor Owre (West)- Have completed 90% of rough-in work.
4. First floor Owre (East)- Have completed about 70% of rough-ins.
5. Second floor Owre (West)- Complete about 80% with exception of 242, will have to reschedule with U. for core drilling.
6. Second floor Owre (East)- Have completed rough-in in large toilet rm.
7. Fourth floor Owre- Have stabbed services up through floor in all unoccupied areas.
- 8.* Have complete several shut-downs to make tie-ins.

E. Heating

1. Sub-basement S84 Lyon-S7 Owre, installing 5" H.P. steam main.
2. Room 19.2 Owre, installed humidifier in unit S120.

II. PROGRESS OF WORK

E. Heating

3. Rad. and reheat all floors
 - a. Third floor Owre and Jackson/Owre, installed or reinstalled finned tube rad. with pne. control valves. This installation is now complete on the third floor except for rooms where additional work is to be done by K/A or K/A subcontractors.
 - b. Second floor Owre- remove finned tube rad. and cap at mains, to allow plaster contractor to patch walls, rooms 210-210.8.
 - c. First floor Owre and Millard, running reheat mains.
4. Crawl space beneath Owre, installing 10" C.W. mains.
5. Crawl space beneath Millard, installing 12" C.W. mains.
6. New mech. equipment towers, built coil stands and installed same in housings and installed wing, reheat, recovery and chilled water coils in all units both towers. Begin running 10" L.P. steam main in sub-basement of SW tower.

F. Sheetmetal

1. Basement- duct work in shop for basement classroom areas. Waiting on University to finish running duct to erist risers so we can remove old duct. (holding up walls) Need to get into Mortuary Science area to finish drawing up duct to tower-this item taken care of today. Unit S-120 ready to be piped electrically so we can finish hooking up our filters.
2. First floor- duct in corridor or Owre being run. Piping in rooms 116.1 and 116 in way of new ducts coming from tower. Ceiling height in 116.1 has to be lowered for duct coming under beam from corridor.
3. Second floor- setting diffusers in room with ceilings in. Room 212.1 and 212.2 should be started for demolition so when duct comes out we can put it in. (some piping in way and wall has to be removed.)
4. Third floor- installing fume hood filters and connecting up to fans on fifth floor. Installing diffusers in ceilings and registers in toilet area. Working on tower equip. for third floor and running duct on SE tower. Finishing housing before running duct on SW tower.

II. PROGRESS OF WORK

F. Sheetmetal

5. Fourth floor- running stainless steel duct up to fifth floor to new fume hood exhaust fans. Starting to work on duct work for fourth floor. Fume hood fans for Jackson are set and duct being made up in shop.
6. Fifth floor- pads are poured for fans in corridor of Owre. Fans are being set up on stands and piping run up thru roof to curb already installed. Ready to set curbs for remainder of s-s outlets as soon as roofer has flashing on job. Old duct in Owre ceiling has to be removed to get fume hood duct up to roof opening, will remove existing fans at same time.

III. GENERAL DISCUSSION AND NEW BUSINESS

1. Bus duct location interferes with high pressure steam lines and two condensate lines, S.E. tower basement equipment room.
2. Need outage for 21-22 Millard for radiation removal.
3. Fume hoods micro-switches (high-low) will be furnished by Haldeman Homme to be wired by Commonwealth. Commonwealth says these controls are not on the fume hoods, room 496 Jackson.

The next project meeting will be held Tuesday, June 27, 1978, 1:30 p.m. at the jobsite, 2nd floor, Owre Hall.

AJN/mla

cc: University of Minnesota, Lamb Plumbing, Commonwealth Electric, Wm Poppenberger & Son, Kraus-Anderson of Mpls., Inc., Health Sciences Arch. & Eng., Inc.

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON of MPLS, Inc.

CONTRACTORS & CONSTRUCTION MANAGERS

KRAUS-ANDERSON JOB NO. 0150

RECEIVED

JOB PROGRESS MEETING NO. 22
TUESDAY, July 11, 1978

JUL 17 1978

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE



ATTENDANCE:

U. of M.

Tom Kyle
A. W. Johnson
G.F. Lindholm
Gordon Dahien
G. Herbst
Muriel Lubansky
Jim Burch
Gerald T. Bratt
Roy Anderson
Kraus-Anderson
Byron Yerigan
Arne Nordli

Kraus-Anderson
Dick Nordick
H.S.A.E.
Bruce Johnson
Haldeman Homme
Bill Homme
Hayes Contractors
Tim Loth
Chuch Fritze
Lamb Plumbing
Jim Kehoe

I. REVIEW OF MINUTES OF MEETING NO. 21

1. Cup sinks for third floor have not arrived, will be here end of this week.
2. Complete information not available to schedule 4th floor Lyon. Kraus-Anderson Project Manager and Arch. should review.
3. Byron Yerigan has not received Change Orders No. 4 and 5, should check with Arne Nordli.

II. PROGRESS OF WORK

A. General Work Update

1. Fourth Floor Jackson- Seamless floor done, painting done, starting on hardware.
2. Fourth Floor Owre- Working on demo. Iron worker to start on stairway.
3. Third Floor Owre- working on window sills, hanging iron for fume hood ducts. Installing radiator covers on third.
4. Second Floor Hamilton setting cabinets, putting on radiation brackets.
5. First Floor hanging mils, iron for toilet partitions.
6. Basement- Painting in hall 19.1, 25, 25.1, putting in hangers for folding doors.



II. PROGRESS OF WORK

B. Plumbing

1. 1st Floor Millard and Owre- Two men working on dionized water piping in walls and chases.
2. Fourth Floor Jackson- Two men working on finishing and installation of plumbing trim.

C. Heating

1. Installing 5" H.P. Steam Line in deep shaft S84 Lyon and in tunnel running from S84 to S7 Owre (need 2 copper domestic water lines relocated in S7)
2. Installing finned tubed radiation 2nd floor Owre.
3. Installing reheat mains first floor Owre and Millard.
4. Installing chilled water, heating and heat recovery mains in South basement Southwest equipment tower.
5. Installing 10" chilled water mains in crawl space beneath Owre Hall.

D. Sheetmetal

1. Basement- working on duct work for lab areas. Drawing up basement equipment room.
2. First Floor- finishing corridor in Owre and run duct to vol. boxes.
3. Second Floor- As far as we can go on reg. and diffusers.
4. Third Floor- As far as we can go on reg. and diffusers. Working in Towers S.E. and S.W. running duct.
5. Fourth Floor- Drawing area in Owre.
6. Penthouse 580 Jackson, GE 119 ready to install duct to louver. Fume hood exh. fans have been measured up for duct to discharge out roof, will be here end of week. Ready to have roof curb set.
7. Fifth Floor- removing old duct in corridor above ceiling and running stainless duct thru roof.

III. GENERAL DISCUSSION AND NEW BUSINESS

1. Counter tops for the third floor will arrive Friday, July 14th. Equipment for the lower levels will be shipped this week.
2. A test of the new counter tops indicates the tops to be made of different materials. Counter top material will be provided to perform a heat test.

III. GENERAL DISCUSSION AND NEW BUSINESS

3. Casework presently being installed on the third floor appears to be inadequate and installed too low.
4. Room 356, Millard has no lights and rooms in this area are presently being used.
5. Electrical strike has cancelled classroom and lab. courses and depts. are beginning to look for adequate room to hold classes.
6. Basement plumbing that interferes with sheetmetal will be taken care of either Friday of this week or early next week.
7. Lack of plumbers.
8. Classroom completions.
9. Quality of new countertops compared to the original tops for fourth floor Lyon.
10. At the completion of the elec. strike, a new updated schedule should be provided.

The next project meeting will be held Tuesday, July 25, 1978, 1:30 p.m. at the jobsite, second floor, Owre Hall.

AJN/mla

cc: University of Minnesota, Lamb Plumbing, Commonwealth Electric, Wm Poppenberger & Son, Kraus-Anderson of Mpls., Inc., Health Sciences Arch. & Eng., Inc.

JCML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON of MPLS, Inc.

CONTRACTORS & CONSTRUCTION-MANAGERS

KRAUS-ANDERSON JOB NO. 0150

JOB PROGRESS MEETING NO. 23
TUESDAY, JULY 25, 1978

RECEIVED



ATTENDANCE:

U. of M.

Dick Stish
Tom Kyle
G. Herbst
Dick Hendricks
Roy Anderson
Gordon Dahlen
Kraus-Anderson
Arne Nordli
Byron Yerigan
O'Brien Sheetmetal
Don Boeser

Poppenberger
Sherman Prescott
Commonwealth Elect.
Jack Iversen
Haldeman-Homme
Bill Homme
J.B. Nelson
Don Froom
Hayes Contr.
Charles Fritze

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

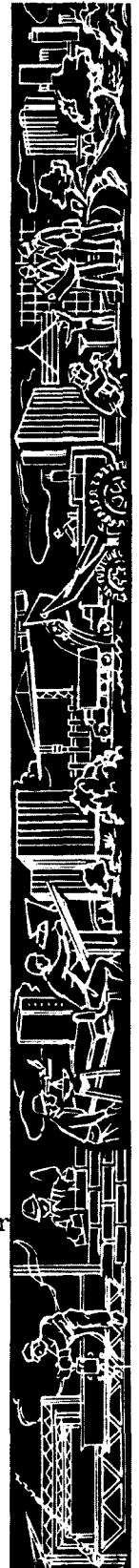
I. REVIEW OF MINUTES OF MEETING NO. 22

1. Heating, item 5, when will chilled water mains be completed?
2. Countertops problems resolved and work back in production.
3. Casework on third floor, the islands will be raised by modification. Can this be pushed through as rapidly as possible since this is holding up a lot of work.
4. At completion of electricians and pipe coverers' strike a new updated schedule will be drawn up.

II. PROGRESS OF WORK

A. General Work Update

1. Basement- special finishes complete in animal rooms; cabinets with sinks to be installed this week; mechanical to finish this week. We will be ready for final inspection next week. Waiting on electrical and pipe covering work before proceeding further on West end.
2. First Floor Owre- plastering to start this week. Area at main foyer being held up by electricians. Waiting on waste line on East end; that will be removed by University.



II. PROGRESS OF WORK

A. General Work Update

3. Second Floor- plastering complete, setting some casework, most prime painting done.
4. Third Floor- waiting on tops and electricians.
5. Fourth Floor Jackson- ceilings tile not installed, cabinet painting not complete, electrician to finish, before we can turn over to the University.
6. Fourth Floor Owre- Demolition in progress. Waiting on a number of pipes to be removed at head of stair "D". Is core drilling completed? No.

B. Poppenberger

1. The drywall and metal framing is done on all ceilings third floor.
2. All ceilings on second floor are framed but not drywalled.
3. Metal framing on first and drywalling on first.
4. Metal framing in basement and drywalling in basement.
5. Lathers have been doing misc. areas on all floors.
6. Taper is taping on third floor ceiling, should be done tomorrow.
7. Plaster's patching areas on all floors and finishing browned areas on second and basement.
8. 297 and 298 finished.
9. 396 finished.

C. J.B. Nelson Painting

1. Second and third floors Owre primed.
2. Fourth floor Jackson complete except cabinets.
3. Basement animal rooms complete.
4. Basement trash room complete.

II. PROGRESS OF WORK

D. Lamb Plumbing

1. Fourth Floor Jackson- finishing is 95% complete. Glass washer needs electrical disconnections on it before it can be moved up to this area.
2. Fourth Floor Owre- work on roughing-in is being done. We are core drilling in the area. But some areas we won't be able to get into til other areas on fourth are done. And these can't be complete without pipe coverer and electrician.
3. Third Floor Owre- we have received Durcon cup sinks and regular sinks for this area. The water saver faucets for this area will be shipped July 26 and are expected to be here August 2, 1978.
4. First Floor Owre- We completed al in wall work on deionized water and now we are installing the main runs and branches.
5. Basement Owre- we have been running glass waste and vent in this area and are about 80% complete.
6. Courtyard-Millard- we will be installing drains in area-well area, as this is now ready.
7. New Business- Movable wall partitions on fourth floor Owre that were removed for piping, can not be put back now with pipe in there as there is no room. Also, fume hood in room 435 will have to be moved from under beam or door will only open one foot. Fume hoods in third floor Owre. Rooms 303 and 304 need inside excess panels so we can hook them up.

E. Heating

1. Installing H.P. steam main in S84 Lyon, deep shaft in Lyon and S7 Owre.
2. Installing steam and cond. piping in new S.W. mech. equipment tower.
3. Installing pne. control valves in rad. 2nd floor Owre and relocating finned rad. with pne. valves 2nd floor Owre.
4. Piping reheat coils first floor Owre.
5. Installing 12" CW mains in crawl space beneath Millard.

II. PROGRESS OF WORK

F. O'Brien Sheetmetal

1. Basement- running duct.
2. First Floor- " "
3. Second Floor- finishing reg. & diff.
4. Third Floor- need ceilings to complete diff.
5. Fourth Floor- duct being made.
6. Fifth Floor- Stainless steel up thru roof on some fans. Still working on S-S.
7. Towers- S.E. & S.W., duct 95% complete. Measuring fan connections now.

G. Commonwealth Electric

1. On Strike.

III. GENERAL DISCUSSION AND NEW BUSINESS

1. Dick Hendricks would like a schedule of when the cooling system will be activated in various areas.
2. Mr. Herbst of the University is still looking for areas they may be turned over to the University.
3. Fume hoods on third floor cannot be hooked up without access panels into it and Hamilton does not allow panels because of the special use of the fumes.
4. Countertops that are installed are protected but some covering is being taken off by workmen.
5. Millard 342 demolition was started before notifying adjacent laboratory workers.
6. Basement Owre West being held up because air ducts must come down before drywall and other work can proceed.
7. There are a lot of areas where existing piping has to be removed by the University or a modification to Lamb. Can't we get this work done.

The next project meeting will be held Tuesday, August 8, 1978, 1:30 p.m. at the jobsite, second floor, Owre Hall.

AJN/mla

cc: University of Minnesota, Lamb Plumbing, Commonwealth Electric, Wm Poppenberger & son, Kraus-Anderson of Mpls., Inc., Health Sciences Arch. & Eng., Inc.

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON of MPLS, Inc.
CONTRACTORS & CONSTRUCTION MANAGERS

RECEIVED

KRAUS-ANDERSON JOB NO. 0150

AUG 17 1978

JOB PROGRESS MEETING NO. 24
TUESDAY, AUGUST 8, 1978

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE



ATTENDANCE:

U. of M.

Roy Anderson
Gordon S. Dahlen
Steve Fredell
G.H. Herbst
A.W. Johnson
Tom Kyle
Gordon Lindholm
Muriel Lubansky

Kraus-Anderson

Arne Nordli
Byron Yerigan

Poppenberger

Sherman Prescott

Commonwealth Electric

Karl Bengston
Mike Riekard

Lamb Plumbing

Charles Fritze
Jim Kehoe

C.E.C.O.

Jack Iverson

Hayes

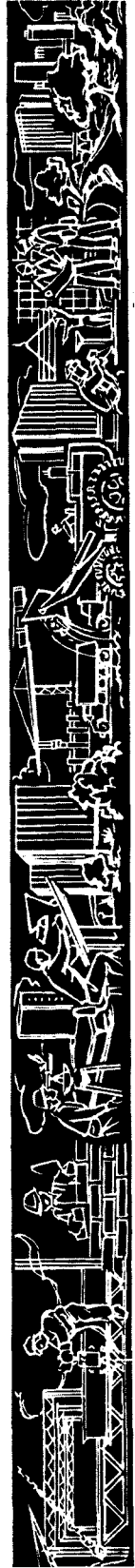
Tim Loth
George Klein

H.S.A.E.

Bruce Johnson
Bill Poppert

I. REVIEW OF MINUTES OF MEETING NO. 23

1. No answer on chilled water main completion.
2. Countertops are to start arriving at jobsite today.
3. University of Minnesota has instructed all interested parties to proceed with countertop modification #80.
4. Pipe coverers are still out.
5. Ready for Mechanical inspection basement Owre East.
6. We have been waiting two months on pipe riser remove East end, first floor, Room 0-125.
7. Fourth floor Jackson, waiting on electrician and Haldeman Homme closure panels around fume hood.
8. Owre 460 and 462 will be painted this week. University can occupy next week.
9. Water saver faucets still not on job for third floor Owre.
10. Modification for plumbing work fourth floor Jackson. This is holding up work. Fume hood access panels Room 303 and 304 not resolved.



I. REVIEW OF MINUTES OF MEETING, NO. 23

11. Countertops throughout job should be treated with care by all workmen.
12. University has not removed ductwork basement Owre west.

II. PROGRESS OF WORK

A. General Work Update

1. Basement Owre east needs sink hookup and finishing of wall and floor tile in room 0-19.8.
2. Basement Jackson Owre Rooms 1 and 1.4 and 54.3 and 54.6 - University working on sheet metal which is holding up work.
3. M 21 and 22 work at standstill because of pipe coverers.
4. First floor - Some partition tile being held up due to pipes not moved by University.
5. Second floor - Demolition in M 210 and 212. Working on ceilings. Jackson second floor - working on ceilings.
6. Second floor Jackson stair and Mellard stair. Cannot proceed further till fire lines are in and tested.
7. Third floor - Waiting on countertops modification 80 which is to the subcontractors. Looks as if an extension of time will be requested.
8. Third floor Jackson and Jackson Owre - Setting door frames and putting in metal ceiling grid corridor 3-20. Placing concrete in landings of stair D.
9. Owre 351.3 and 351.5 - Toilet partitions are in.
10. Fourth floor Owre - Removing casework and removing ceilings and walls. Moveable partitions - some work has started.
11. Roof - Install roof boxes for roof openings. Roofer has done some work.
12. Fourth floor Jackson - Waiting on inspection of work above ceiling so we can install ceiling tile.

B. Poppenberger - Keeping up with progress of work.

C. J.B. Nelson Painting - Keeping up with progress of work.

II. PROGRESS OF WORK

D. Lamb Plumbing

1. Fourth floor Owre - Our rough-in is as far as it can go at this time till we get more areas to work in.
2. Third floor Owre - We have been finishing the two main bathrooms on this floor and should be completed today. We have then gone about as far as we can until the problem of the countertops has gone thru Modification Channels. The fume hood problem is completely resolved.
3. Second floor Owre - We were just able to core drill holes in Room 242 area last week and we are now working on rough-in of this area. The rest of two is completed with waste and vent. We are working on the dionized water mains in ceilings. All in wall work is done.
4. First floor Owre - Our waste and vent and water is pretty much completed in this area.
5. Basement Owre - We have core drilled and installed floor drain in Room 25.2 for trash compactor and also in Room 19.2 equipment room drain. We are working on water piping and glass vents for classrooms 1 and 54. We have also been doing demolition on fourth floor Owre and capping services as needed and tying into existing services when scheduled shut-downs are available. We also changed a vent stock on stairlanding on fourth floor as directed by G. Dahlen as the pipe was in a new doorway and not shown on mechanical drawings. Installed two new area drains in area well over on Jackson courtyard and tied into existing sewer.
6. Project Update -
 - a. Relocating risers in Rooms 54.3 and 54.6 Also install Pne. control valves in same rooms.
 - b. Working On Finned tube rad. miscellaneous rooms all floors.
 - c. Working in equipment room sub-basement of S.W. equipment tower - cold water and hot water steam and gly. systems.
 - d. Install guides on H.P. steam line Lyon lab deep shaft - working on H.P. line in S-7 tower.
 - e. Installing 12" cold water mains in crawl space under Millard.
 - f. Removing rad. fourth floor Owre and roughing out branch lines to accomodate relocated fin.

E. O'Brien Sheet Metal

1. Basement - Installing duct in new classrooms and removing old duct that is tied into first floor air conditioned area. University of Minnesota completing their hook-up today to first floor. Volume boxes ready to hang. Some electrical to be removed in corridor so duct can be run. Some electrical in Mortuary Science may have to be relocated. Check with Mike today on problems.

II. PROGRESS OF WORK

C. O'Brien Sheet Metal

2. First floor Owre - Volume boxes are being installed in rooms and duct run out. Some piping in way of 2 duct runs going into Room 136.4. Gordy knows about it.
3. Second floor Owre and Jackson - Some charges are ready for diffusers. Ready to knock out wall for duct from corridor to tower as soon as General can put up his Dust wall.
4. Third floor - As far as I can go.
5. Fourth floor - Room 496 area complete except for exhaust fans to be hooked up. I'm working on that. Starting to do some installing of duct in Millard and Owre. Need conduit checked in floor opening of 516 so duct from fourth floor can pass thru.
6. Fifth floor - Stainless steel duct to finish corridor 5-08 is here and will install as soon as possible. Waiting on area in crawl space for new fan locations and the General to clean out so I can lay out pads. Fans in 560 Millard Penthouse are ready for pads to be framed up. All roof curbs are set and in for all S-S and exhaust ducts.
7. Towers - Third floor 301 S.E. and S.W. duct in and waiting for fan connections from shop. All housings are complete. Working on electrical filters now.

D. Commonwealth Electric

1. Working on Jackson-Owre vault.
2. Doing finish work fourth floor Jackson and basement animal rooms in Owre.
3. Working on inwall work on first and basement Owre.
4. Running conduit for motors on fifth floor Owre to MCC1.
5. Running Buss duct in S.E. and S.W. towers.
6. Working with Kraus-Anderson on demolition.

III. GENERAL DISCUSSION AND NEW BUSINESS

A. New Business

1. Third floor Owre - University has new glass coming which will interfere with Byron Yerigan completion of the area - corridor north side. Painting will start on window frames immediately.

III. GENERAL DISCUSSION AND NEW BUSINESS

A. New Business

2. Priority areas by Gordon Dahlen
 - a. Room Owre 1 and 1.4 and Jackson 54 basement west (need by September 22, 1978).
 - b. Jackson fourth floor and Owre basement east.
 - c. Owre third floor.
 - d. Jackson 297 and 298.
 - e. Owre 210 and 240.
 - f. Remainder of Phase I.
3. List of needs for basement area (Owre west) by Gordon Dahlen, need area by September 22, 1978. Complete, December 18, 1978 to January 19, 1979. (5 weeks). Need special meeting with all subs including Haldeman Homme. Need 150 student stations.
4. Pipe coverers hold up all work on first floor, Owre.
5. Can't continue with drywall till ductwork is removed by University.
6. Plumbing holding up work in Rooms 242.1, 242.2, 364.1.
7. Poppenberger - Areas where they are being held up:
 - a. Drywall on first floor Owre is complete as far as we can go. We are being held up at this time by the pipe coverers.
 - b. All the metal stud framing in the basement is done as far as can be. We have asked for the removal of the existing ductwork so we can finish this area. Nothing has been done yet.
 - c. Most of the corridor in the basement has been sheetrocked.
 - d. We have been framing wall in stair D, these are areas we have been held up on.
 - e. Plaster browning on first floor is coming along, but there are alot of places not ready for us yet!
 - f. Need plumbers on second floor, Rooms 242,1 and 242.2 Also on third floor, Room 364.1
 - g. We have caught up to the pipe coverers on nearly all floors and can do very little more rocking because of this.
 - h. Would like to sheetrock lobby on first floor Owre but are waiting on other trades.
 - i. We are waiting for electricians on second floor ceilings. Waiting for University on Vestibule ceiling, Room 238 Owre.
 - j. On fourth floor Owre there is alot of surface mounted electrical molding that should be removed by University of Minnesota.
 - k. On first floor Millard there are three corridor doors that need claytile but can't be done due to uncompleted work by mechanical trades.
 - l. There is an area behind the elevator in the basement that cannot be rocked until mechanical is completed.

III. GENERAL DISCUSSION AND NEW BUSINESS

A. New Business

7. m. First floor two existing heat line need to be moved by University of Minnesota. Millard east.
- n. There is a fume hood running up from third Owre to fourth that needs core bound case but there is an existing piece of electrical that needs to be moved by University of Minnesota.
- o. There is a sillcock to be removed by University of Minnesota in basement Millard room.
8. O'Brien Sheet Metal duct work cannot go in basement corridor in front of elevator due to existing electrical that must be removed.
9. Question of fire risers by Lamb Plumbing brought up the first of June. This work on fire risers cannot start before August 15th. This work was scheduled to start June 10th.

The next project meeting will be held Monday, August 21, 1978, 1:30 p.m. at the jobsite, second floor, Owre Hall.

AJN/clj

cc: University of Minnesota, Lamb Plumbing, Commonwealth Electric, Wm Poppenberger & son, Kraus-Anderson of Mpls., Inc., Health Sciences Arch. & Eng., Inc.

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON of MPLS, Inc.
CONTRACTORS & CONSTRUCTION MANAGERS

KRAUS-ANDERSON JOB NO. 0150

JOB PROGRESS MEETING NO. **25**
TUESDAY, AUGUST 22, 1978

ATTENDANCE:

U of M.

Gordon Lindholm
A.W. Johnson
Gordon S. Dahlen
Muriel Lubansky
Tom Kyle
Steve Fredell
Roy Anderson

Kraus-Anderson

Arne J. Nordli
Byron Yerigan

Poppenberger

Sherman Prescott

Commonwealth Electric

Mike Riekard

Lamb Plumbing

Jim Kehoe

Hayes

Tim Loth

Charles Fritze

H.S.A.E.

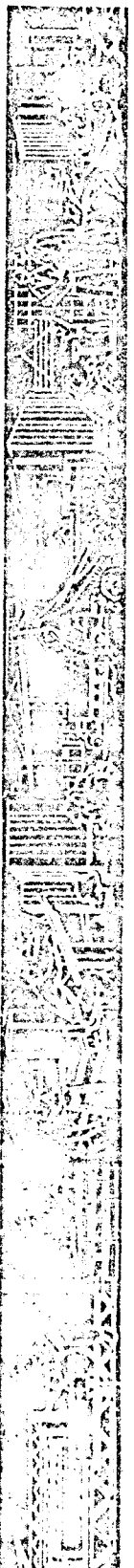
Bruce Johnson

AUG 29 1978

**UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE**

I. REVIEW OF MINUTES OF MEETING NO. **24**

1. Still no answer on date of completion of chilled water main.
2. Ten counter tops arrived last Monday.
Extension to 3rd floor Owre counter tops to arrive this week.
3. Pipe coverers are still on strike.
4. Mechanical ceiling inspection at basement Owre has been made.
5. Closure panels around fume hoods 4th floor Jackson still missing.
6. Owre 460/462 will be occupied by University this week.
7. M 210 & 212 still at standstill due to pipe coverers strike.
8. Fire riser 435 Millard was not scheduled since riser did not show up on architectural drawing.



II. PROGRESS OF WORK

A. General Work Update

1. Basement keeping all trades going, moving material etc. to keep job going. Patching floors. Spangers in caulking ceiling joints in Owre.
2. Nothing happening on 1st and 2nd floor Owre.
3. Third Owre V Doors mostly completed. Hanging of casework being set, some tops arrived but not complete. Also waiting on Mod. # 80-P.
4. East and West stair enclosures, floors basement through 3rd floors - Demolition and partition tile as far as we can go. Waiting on mechanical outages have been scheduled also to get into various areas.

B. Poppenberger

1. 496 punch list taken care of also basement Owre.
2. All men working in "JO" basement..

C. Lamb Heating

1. Completed work on chilled water mains in crawl space beneath Millard.
2. Running Reheat & Glyrol risers in S.E. Towers.
3. Running H.P. steam main and pumped cond. from S7 Owre to equipment room in Sub Base. SW Tower .
4. Piping unit S 107 3rd Floor of SW Tower
5. Working on all systems S.B. SW Tower.
6. Completed installation of in line expansion joints and guides - anchors in high pressure main in area of S 84 Lyon and S 7 Owre.
7. Running H.P. stean main & pumped cond. from S 7 Owre to S.E. Tower (Mayo garage)
8. Working on funned tube rad. 1st floor and basement of Owre.

III. Lamb Plumbing

1. Working on Vac, air, and gas in Rms 1 and 54.
2. Working on replacing fire cabinets in this area and piping new ones.
3. Working on fire hose cabinets in SB - 07 corridor, and running pipe.

4. Third Floor Owre - Working on glass vents in service chases from ceilings down to case work. Also installing water and gases in these same chases.
5. Fourth Floor Owre - Working on glass vent piping in the ceiling of rooms 411 & 411.1 & 411.2.
6. Installed value boxes on fire stand pipe system and have tested the risers so the risers may be blocked up from basement to 4th with exception of 3rd floor Jackson-North, where a door has to be moved and Millard 4th floor South,
7. Where we can not work in the Doctors room, where the plan shows it, and impossible to locate it in the chase from the main corridor side because the chase is over a beam in the floor.
8. Our water saver brass trim arrived today and the order is nearly complete.
9. The areas on 4th floor that were occupied still are, so we can't work in these areas at the present time.

IV. O'Brien Sheet Metal

1. Basement - Classrooms - ductwork complete. Mortuary Science ductwork complete by Friday. All Vol. boxes are installed.
2. First Floor - finishing Vol. Boxes and a few last connections to be made.
3. Second Floor - Installing Diffs. in 297 & 298. Fume Hood connections being made in shop.
4. Third Floor -
5. Fourth Floor - Rooms 458 Fume or Welding Hood installed and duct run up to Fan in Penthouse.

Southeast tower 4th floor duct is in. Riser in corridor for TE 101 fourth floor is run to Penthouse.

Running duct to GE - 120 from 4th floor up thru 5th floor.

Punch list complete for room 496.

6. Fifth Floor - Running stainless steel in Owre corridor. Pents marked out pad for fans. Towers - Wire electronic Filters S.E. Tower SW to follow.

V. Commonwealth Electric

1. Working on basement west Owre.
2. Working on Jackson-Owre vault.
3. Working on Rooms 297 & 298 lighting.
4. Working on motor control center 5th floor Owre (MCC-1)
5. Working with K/A on demo.
6. Working on feelers in SW & SE towers to Buss duct.

VI. GENERAL DISCUSSION AND NEW BUSINESS

1. Room 496.1 very crowded on mechanical work, Roy Anderson to explore.
2. Subcontractor to check to see that all materials are on job.
3. Basement Jackson Owre seems to be going quite well although Haldeman Homme is missing some new cabinets. Haldeman Homme should order all counter tops whether they are set or not.
4. Connection must be made on high pressure steam line and something done for pipe insulation (90 L.F).
5. Need temperature control report for all future meetings.
6. Additional critical areas are needed immediately. Maybe these areas should be treated like we are treating J.O. 1 & 54.
7. Lyon 4th floor laboratories that receive new counter tops and refinishing are being held up because of new sinks asked for under modification # 75. Sinks should be ordered. Modifications aren't in yet.

The next project meeting will be held Tuesday, September 5, 1978, 1:30 P.M. at the jobsite.

AJN:ap

cc: University of Minnesota, Lamb Plumbing, Commonwealth Electric, Wm Poppenberger & Son, Kraus-Anderson of Mpls., Inc. Health Sciences Arch. & Eng., Inc.

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON of MPLS, Inc.
CONTRACTORS & CONSTRUCTION MANAGERS

KRAUS-ANDERSON JOB NO. 0150

JOB PROGRESS MEETING NO. 27
TUESDAY, SEPTEMBER 19, 1978

ATTENDANCE:

U of M

Gordon Herbst
Muriel Lubansky
Gordon Dahlen
Roy Anderson
Gordon Lindholm
Steve Fredell
A.W. Johnson
Tom Kyle
Kraus-Anderson
Arne Nordli
Byron Yerigan
Lamb Plumbing
Jim Kehoe

H.S.A.E.

Bruce Johnson
Commonwealth Electric
Mike Riekard
Poppenberger
Sherman Prescott
Hayes
Tim Loth
Charles Fritze
O'Brien Sheet Metal
Don Boeser

SEP 27 1978

UNIV. OF MINN.



I. REVIEW OF MINUTES OF MEETING NO. 26

1. Pipe Coverer strike is over.
2. Owre fourth floor is still not available for core drilling.
3. Lyon fourth floor lab, due to sinks not being available, could existing be used til new ones arrive.
4. Third floor Owre, tops missing for most easterly room.
5. University says fourth floor Owre will be available, Wednesday, September 20, 1978.
6. Corridor 360-Millard, risers tic-in still not settled as to where to tie in. Is system feeding up or down.
7. Haldeman-Homme cabinet tops for basement Jackson-Owre are not on job; need for turnover on Friday September 22, 1978.
8. Heating system will not be operable September 15, 1978. Lamb feels it will be two to three weeks later. University also wants a turn-over date on chilled water system.
9. Electrical completion of Church St. Vault still four weeks away.



II. PROGRESS OF WORK

A. General Work Update

1. Basement Owre East available for University use.
2. No activity first and second.
3. Third Floor, patching floors.
4. Fourth Floor, waiting for University to move out.
5. Fifth Floor, clean-up.
6. Stair enclosure, East Jackson and West Millard, waiting for eye wash fountains to be removed, and hollow metal frames.
7. Second Floor Jackson, Second Floor Owre, First Floor Owre, waiting for counter tops.

B. Poppenberger

1. Keeping up with progress of job.

C. Lamb Heating - Man Count 12 Men

1. Completed work on finned tube rad. in basement of Owre, except for Room 6.1 (needs add. work exterior wall prior to rad. installation) Installing finned tube rad. first floor owre.
2. Installing H.P. steam main and pumped condensate main in crawl space beneath Owre leading to S.W. Tower.
3. Installing P.R.U. Station No. 2 in sub-basement of S.W. Tower. Installation of reheat pump and convertor, condensate meter and pump and associated piping 90% complete. *The three inch P.R.U.s have still not been delivered and may be delayed three weeks or more, will know by Thursday 9/21/78.
4. Installing steam and condensate piping unit S107, third floor S.W. equipment tower. Piping of preheat coil is complete, now working on steam reheat coil.
5. Installing H.P. steam main and pumped condensate main in crawl space beneath Owre and Millard leading to S.E. Tower and Mayo Garage.
6. Completed the installation of the steam, chilled water, reheat and glyco risers in the S.E. mechanical equipment tower.
7. Installing P.R.U. Station No. 1 in Room M12.3 (upper level Mayo Garage) *3" PRUs not delivered same as item #3.

II. PROGRESS OF WORK

D. Lamb Plumbing - Man Count 11 Men

1. Third Floor Owre-

- a. Room 361- Working on fume hood.
- b. Room 307- No counter tops.
- c. Room 306- Counter tops installed, so we are installing cup sinks.
- d. Room 305- Plumbing complete w/exception of emergency shower.
- e. Room 304- Plumbing complete w/exception of fume hood (cut in access) and emergency shower.
- f. Room 303- Plumbing complete w/exception of fume hood (cut in access) and l-sink working in here now, also emergency shower.
- g. Room 302- Brass installed, cup sinks installed, and presently working in here. Fume hood is complete.
- h. Room 301- Plumbing complete except for installation of two sinks. Working on these. Fume hood not done (cut in access) emergency shower not done.
- i. Room 350-Jackson- Plumbing complete w/exception of emergency shower.

2. First Floor Owre-

- a. Installing gas and vac mains in corridor 111.

E. O'Brien Sheetmetal - Man Count 10 Men

1. Basement- working on punch list for rooms 54 and 1.
2. First Floor- installing duct in rooms 113 Owre and 122 Millard.
3. Second Floor- Installing filters for fume hoods in room 298 & 297 Jackson. Diffusers are completely installed and hooked up. Duct work being fabricated for room 212 Millard, need cooler demolished by two weeks.
4. Third Floor- working on duct in both towers for third floor ventilation. All diffusers are hooked up.
5. Fourth Floor- Fume hoods on 496 Jackson are being hooked up and fans running Wed., 9/20/78.

II. PROGRESS OF WORK

E. O'Brien Sheetmetal

6. Fifth Floor- installing stainless steel duct in corridor 5-08 for third floor fume hoods. All condensate drip tees on stainless steel should be piped before fan operation.

F. Honeywell

1. Ran air main and branch lines in basement, back to S.W. Tower, tested same.
2. Fished in branch lines for radiation first floor.
3. Roughed in air lines on fourth floor.
4. Installed stats in dog run area and completed piping controls and panel for unit 120.
5. Installed inertia pad and air compressor and air dryer in S.W. tower and piped up same.

G. Commonwealth Electric

1. Working on Basement Owre, Rooms 1 and 54.
2. Working on Third Floor Owre (finish work).
3. Working on Jackson-Owre and Millard vaults.
4. Working on buss duct in S.W. and S.E. Towers.
5. Working on Fire Alarm System.
6. Working with block layers with electrical in block.
7. Working on demolition with K/A.

III. GENERAL DISCUSSION AND NEW BUSINESS

1. Is ventilation to vaults keeping current with electric work. To be turned on in two weeks.
2. Is insulation for high pressure steam lines going to start soon. This will start after the one man has finishing basement Jackson Owre. We also need insulators for third floor Owre.
3. Basement-Jackson-Owre, Inspection of above ceiling work was made this date, need corrections made by Wednesday night if possible. When will ventilation system for complete building be operable.
4. Move-in to basement Jackson-Owre scheduled for Friday night.

III. GENERAL DISCUSSION AND NEW BUSINESS

5. Jackson 374- need door hung and hardware applied plus hook-up of existing sink by next Monday.
6. Sinks for Jackson 88.1 and Lyon Fourth Floor are needed urgently. What is the scheduled arrival. If the delivery for Fourth Floor Lyon is some time off, could the existing sinks be used til they arrive? That is if the existing size is the same as the new ones that have been ordered (36x24x10).
7. The steam fitters will finish the work in the deep tunnel, hopefully, in three weeks, assistance from Honeywell and Commonwealth Electric is needed to make steam system operable.

The next project meeting will be held Tuesday, October 1, 1978, 1:30 p.m. at the jobsite.

AJN/mla

cc: University of Minnesota, Lamb Plumbing, Commonwealth Electric, Wm Poppenberger, Kraus-Anderson of Mpls., Inc., and Health Sciences Arch. & Eng., Inc.

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON of MPLS, Inc.
CONTRACTORS & CONSTRUCTION MANAGERS

KRAUS-ANDERSON JOB NO. 0150

JOB PROGRESS MEETING NO. 28
TUESDAY, OCTOBER 3, 1978

ATTENDANCE:

U of M
Muriel Lubansky
Gordon Dahlen
A.W. Johnson
Roy Anderson
Dick Hendricks
Kraus-Anderson
Arne Nordli
Byron Yerigan
Lamb Plumbing
Jim Kehoe
H.S.A.E.
Bruce Johnson
CECO
Jim Iversen
Honeywell
Ken Krogh

Haldeman-Homme
Darrell Turnock
Bill Homme
Poppenberger
Sherm Prescott
Commonwealth Electric
Mike Rickard
Hayes
Tim Loth
Charles Fritze
John L. Pierson Co.
Neil Blank
Lyle Mokkner
Larry Streeter
P.W. Abbott Co.
Paul Abbott



I. REVIEW OF MINUTES OF MEETING NO. 27

1. Countertops for third floor complete except for two relocated cabinets and one cabinet that has a wrong sink cut-out.
2. Heating system, electrical work needed for equipment; Commonwealth will bring in permanent electrical this weekend. Perimeter heat will be turned on about the 20th of October.
3. Electrical completion of Church St. Vault still one to two weeks away.
4. Eye wash fountains still not moved in stair enclosure East and West.
5. Sinks for J88.1, two are here but one is still missing. Sinks for fourth floor Lyon won't be available til November.

II. PROGRESS OF WORK

A. General Work Update

1. Basement Owre- working on hardware and doors.
2. First Floor Owre- radiation covers.
3. Second Floor Owre- radiation covers waiting on casework tops, some arrive Monday.

525 SOUTH EIGHTH STREET, MINNEAPOLIS, MINNESOTA 55404 PHONE: 612 332-7281



II. PROGRESS OF WORK

A. General Work Update

4. Third Floor Owre- handrails installed. Waiting on pipe coverers. South offices will be finished a week from Friday. "JO" 356 thru 356.4 will be turned over this coming Friday. Waiting for relocated casework in room "JO" 364.1 and 352. Tom Kyle to tell us where the casework will come from. We also need relocated casework for second floor, Owre- Tom Kyle is to tell us where to get this casework as well.
5. Fourth Floor Owre- removing existing casework. How do we treat the tops that are to be removed but are part of a larger piece. How about the core drilling?
6. Fifth Floor- working on stair D and demolition.
7. Second Floor, Jackson- waiting on tops.
8. Stair enclosures- waiting on eye washers to be relocated. Finishing Third Jackson.
9. Working on dock lift, basement garage and stone work exterior, Church St.

B. Poppenberger

1. Keeping up with progress of work.

C. Haldeman-Homme

1. Second Floor countertops, half completed.
2. Third Floor countertops, complete; except one that must be redone.
3. Room 221, Second Floor, Owre, countertops to be delivered this week. Also, Jackson North Second Floor will be complete this week.

D. Lamb Plumbing (11 Men)

1. Third Floor Owre- finishing complete with exception of Room 307, (no counter tops) and Room 301, fume hood needs access door completed. Room 352 can't be completed til floor is tiled due to equipment.
2. Second Floor Owre- working on casework where counters are installed. But counters are needed.
3. Basement Millard- working on H & CW piping and gas in crawl space and have shut down scheduled for tonight for tie-ins. This will take care of Third Floor Millard, also, in Room 360 Area.
4. Fourth Floor Owre- core drilling and piping up hot-cold water, gases, and glass waste and vent. Some counter tops need to be removed with casework yet. (General Note: We need counter tops or we'll have to reduce our manpower and we'll never get them back.

II. PROGRESS OF WORK

E. Lamb Heating

1. Work on finned tube rad. is complete as much as can be done to date. It looks as though all remaining work on perimeter heat will have to be done utilizing outages during the coming heating season.
2. H.P. steam main from seepshaft to S.W. Tower is complete, except tie-in, pumped cond. from S.W. Tower to cond. main is 85% complete.
3. Basic assembly of PRV #2 is complete, now working on flash tank, H.P. and L.P. drips convertor and cond. pump piping. Misc. control piping on PRV also yet to be completed.
4. Working on unit S107, wing coil and steam reheat complete, now working on humid., chilled water and heat recovery.
5. Installing H.P. steam main and pumped cond. main in crawl beneath Owre and Millard leading to S.E. Tower.
6. Basic assembly of PRV #1 is complete now working on reheat pump and conv., cond. meter and pump, L.P. drips & misc. control piping on PRV also yet to be completed.
7. Piping unit heater first floor Owre and convector first floor Owre.

F. O'Brien Sheet Metal

1. Third floor, working in Southwest Tower third floor, putting in outside air damper.
2. Basement, installing duct in basement Southwest Tower. Duct work complete by 10-13.
3. Fifth floor, working on fan connections in crawl space 500-B Owre. Installing discharge duct on GE120, room 516 Owre. Installing discharge duct on TE-101, room 560 Millard Penthouse.
4. Second floor, starting to receive duct work for rooms 212 & corridor 2-12 Millard. Need piping moved. (electrical and old waste)

G. Honeywell

1. Ran conduit risers in S.E. and S.W. Towers, pulled plastic in S.W. Tower.
2. Piped to air compressor S.W. Tower.
3. Set air compressor S.E. Tower.
4. Hooking up VAV boxes first floor.
5. Completed air lines basement area.

II. PROGRESS OF WORK

G. Honeywell

6. Mounted panel third floor S.W. Tower.
7. Tie line into existing compressor for back-up control system.

H. Pipe coverers

1. Only two on job. Hope to be on third floor next Monday. Need more pipe coverers.

H. Commonwealth Electric

1. Working on third floor Owre (finish work).
2. Working on rough-in on fourth floor Owre.
3. Working on Jackson-Owre vault.
4. Working on fire alarm system.
5. Finished on buss duct in SE & SW Towers, installing conduit, disconnects, and starters for motors in towers.
6. Working with block layer with electrical in block.
7. Working on demolition with K/A.

III. GENERAL DISCUSSION AND NEW BUSINESS

1. Clean up and collect plumbing, electrical and other materials so we may get areas closer to setting of casework.
2. Radiation covers after installation may not be able to be removed when casework is set adjacent to it.
3. Perimeter heat- rad. fins installed should be completed as far as possible in the next two weeks before steam is turned on, otherwise outages will be required to install afterwards.
4. Fourth floor Jackson- testing of fume hoods will be done by Haldeman-Homme after Commonwealth Electric has complete their work.
5. Modification #81 must be distributed immediately for fume hood work to be completed on fourth floor.
6. New schedule needed for the remainder of project.
7. Modification 82A for balancing valve and gate valve must be installed immediately. We have been directed to go ahead.

JOML PROJECT UPDATE MEETING
OCTOBER 3, 1978

PAGE FIVE

The next project meeting will be held Tuesday, October 17, 1978, 1:30 p.m., at the jobsite.

AJN/mla

cc: University of Minnesota, Lamb Plumbing, Commonwealth Electric, Wm Poppenberger, Kraus-Anderson of Mpls., Inc., and Health Sciences Arch. & Eng., Inc.

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON of MPLS, Inc.
CONTRACTORS & CONSTRUCTION MANAGERS

KRAUS-ANDERSON JOB NO. 0150

JOB PROGRESS MEETING NO. 29
TUESDAY, OCTOBER 17, 1978

ATTENDANCE:

U of M

Tom Kyle
Gordon Lindholm
Gordon Dahlen
A. W. Johnson
Steve Fredell
Muriel Lubansky
Roy Anderson
Kraus-Anderson
Arne Nordli
Bryon Herigan
Lamb Plumbing
Charles Fritze
Jim Kehoe
H.S.A.E.
Bruce Johnson

Poppenberger
Sherm Prescott
Commonwealth Elec.
Mike Rickard
J. Iversen
Hayes
Tim Loth
Haldeman-Homme
Bill Homme

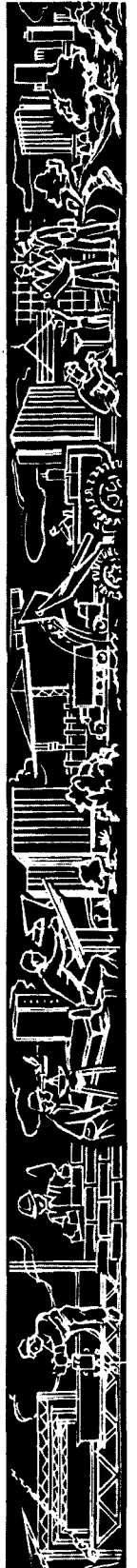
I. REVIEW OF MINUTES OF MEETING NO. 28

1. Church St. vault will be available for water-proofing the end of this week.
2. Sinks for 4th floor Lyon not available until November.
3. Countertops for 297 Jackson are here and set. J-298 not on job yet, will be here tomorrow.

II. PROGRESS OF WORK

A. General Work Update

1. Dock lift is complete
2. Basement, Receiving area to be punch-out this week.
3. Jackson 89 N.W. entrance from court, doing demolition work.



JOML PROJECT UPDATE MEETING
OCTOBER 17, 1978

II. PROGRESS OF WORK

A. General Work Update

4. Jackson 88 to start December 1st, will there be mechanical, electrical and pipe covers available.
5. Jackson Basement, 1st and 2nd floor stair enclosures not started yet.
6. Millard Basement stair enclosures not started.
7. 1st floor Owre - painting areas presently - casework to follow next.
8. 2nd floor Owre - casework set and countertops set. Existing casework to be relocated, is not all available. Missing 24 pcs. of casework.
9. 3rd floor Owre - 9 pcs. of casework missing for Jackson 364.1. Area to be turned over to Owner the end of next week.
10. 4th floor Owre - laying partition tile, some demolition, moving and resetting moveable partitions.

B. Poppenberger

1. Finishing up loose ends but need new areas.

C. Haldeman-Homme

1. 2nd floor casework set, working on 3rd floor which will be completed in six days.

D. O'Brien Sheet Metal

1. Second floor, working in Room 212 and Corridor
2. Third floor, Punch list complete
3. Fourth floor, Installing duct on west end of Owre.
4. Fifth floor, GE - 120 operating, fume hood fans in Owre hall complete and in crawl space room 500-B.
5. Basement Equipment Room - Southwest Tower, making fan connections to duct.

II. PROGRESS OF WORK

E. Lamb Plumbing

1. Third floor Owre. Approximately 90% complete. Still have work in Room 352. Completing Punch List above ceiling, this floor valve tag list complete.
2. Third floor Jackson-Owre. Have core drilled and completed rough-in in Room 364.1. This was an area we waited on due to occupied area below.
3. Second floor Owre. Finishing on this floor completed piping on counters in Room 210 and now working in 210.3. Also working in 227 on finishing.

Rerouting deionized water line for sheet metal in Room 212 Millard. This is an existing line being moved by a mod.

We are also working on finishing in Jackson-297 & 298.

4. First floor Owre. Installed fire valve in valve box by Stair "D" and connected to fire line.

Working on demolition in men's toilet room #89 in Jackson basement.

Awaiting outages on fourth floor Owre. So we can disconnect services for Kraus-Anderson so they can saw off Durcon countertops.

Also awaiting outages for same area so casework can be removed.

Completed rough-in for Dwyer unit in Room 311 Millard.

F. Lamb Heating

1. Work on finned tube rad. is still complete as much as can be done to date.
2. H.P. steam tie-in to main has been completed, H.P. steam mains to SW + SE equipment towers are complete and tie-ins to P.R.V.s have been made. Pumped cond. line is complete from SW tower to S-7 and 90% complete from SE tower to S-7.

II. PROGRESS OF WORK

F. Lamb Heating

3. Working in Mech. Room 12.3 (north wall Mayo). Installing flash tank, L.P. drips, working on reheat system, condensate meter and pump, low pressure cond. return and pumped cond. return.
4. Working on unit S107, completed work on chilled water coils inside unit housing, now working on recovery coils. Work on humidifiers to follow.
5. Installing horizontal unit heaters in SW mech. equipment tower.
6. Working in sub-basement of SW tower, completed flash tank and cond. pump.

G. Commonwealth Electric

1. Working on Jackson Owre vault and Millard switch-board.
2. Working on SW and SE towers.
3. Doing finish work third floor Owre.
4. Working on lighting - second floor Owre.
5. Working on fire alarm system.
6. Working on demolition with Kraus-Anderson.
7. Working with block layer with electrical in block.
8. Working on in-wall work - fourth floor Owre.

III. GENERAL DISCUSSION AND NEW BUSINESS

1. Haldeman Homme has all equipment manufactured.
2. Subcontractors to relocate all supplies to areas as directed by Byron Yerigan.
3. Owre, third floor, elevator foyer is used as access to Mayo penthouse by going through a window.

III. GENERAL DISCUSSION AND NEW BUSINESS

4. Everyone should check again to see if everything is available for Jackson 88.1.
5. Starter for controls in SE and SW tower will be here next week.
6. Areas in Jackson Owre first and second floors should be scheduled for allowing workers to start a modification for new ceiling; for second floor Jackson Owre should be written up.
7. Room 360.1 and 360.2 Owre was worked in and the paneling and carpeting was damaged. Mech. Contractor to review this area.
8. Fire alarm system need to be completed in basement Owre. Review telephone trays.
9. Installation of new valves may require a great deal of disturbance because of moving casework.

A. Walter Johnson, Roy Anderson, Gordon Dahlen and Bruce Johnson to go over this.
10. Modification 38A to be rewritten and new prices got from sub-contractor.

The next project meeting will be held Tuesday, October 31, 1978, 1:30 p.m., at the jobsite.

AJN/jes

cc: University of Minnesota, Lamb Plumbing, Commonwealth Elec., Wm. Poppenberger, H.S.A.E., Hayes, Haldeman-Homme, Kraus-Anderson of Mpls., Inc.

KRAUS-ANDERSON of MPLS, Inc.

CONTRACTORS & CONSTRUCTION MANAGERS

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB NO. 0150

JOB PROGRESS MEETING NO. 30
TUESDAY, OCTOBER 31, 1978

ATTENDANCE:

U of M

Gordon Herbst
Gordon Lindholm
Gordon Dahlen
Tom Kyle
Muriel Lubansky
Steve Fredell
Jerry Bratt
Jack Geretz
Roy Anderson

Kraus-Anderson

Arne J. Nordli
Byron S. Yerigan

Hayes

Tom Loth
Charles Fritze

Lamb Plumbing

Jim Kehoe

Commonwealth Electric

Mike Rickard

Haldeman-Homme

Bill Homme

Ceco

K. Bengtson

H.S.A.E.

Bruce Johnson

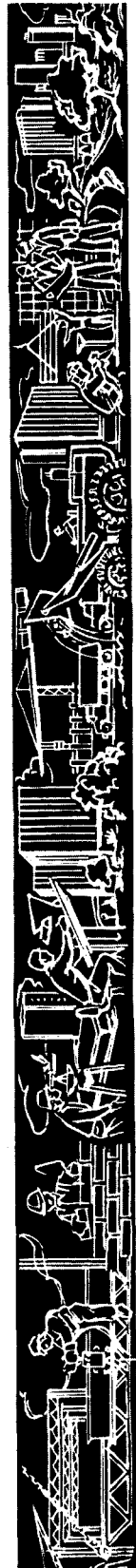
I. REVIEW OF MINUTES OF MEETING NO. 29

1. Jackson 88 will start December 1.
2. Owre 2nd floor, existing casework still missing.
Owre 3rd floor, some casework pieces still missing.
3. Installation of new valves in Lyon Laboratory will require a great deal of casework to be moved out and replaced. Gordon Dahlen is checking out all the areas.

II. PROGRESS OF WORK

A. General Work Update

1. Exterior Work - Vault on Church St. Waterproofing complete and backfilling in progress. Completing masonry.
2. Basement Owre - Areas Punch List items are being corrected.
3. 1st Floor Owre - Working on ceiling.
1st Floor Owre - Working on ceramic tile.



II. PROGRESS OF WORK

A. General Work Update

4. 2nd Floor Owre - Waiting on relocated casework, ceramic tile complete in toilets. Casework tops are on, work on electrical portion of casework.
5. 3rd Floor Owre to be punched out starting Wednesday.
6. 4th Floor Owre - all concrete and demolition complete.
7. Stair enclosures - working on masonry.

B. Haldeman Homme

1. Cleaning 3rd Floor for punch-out Wednesday.
2. Two rooms, 3rd Floor Jackson-Owre with old cabinets, Rooms 352 - 364.
3. One room, 4th Floor Millard, old cabinet. Will move down to first floor next week.

C. O'Brien Sheet Metal

1. 2nd Floor Millard Corridor - Installing main trunk line down Corridor.
2. 2nd Floor Southeast Tower duct on job and will start installing Thursday.
3. 3rd Floor Southwest Tower duct complete. Floor area complete.
4. 3rd Floor Southeast Tower duct complete.
5. 4th Floor Owre, Installing duct in rooms south of Main Corridor.
6. Basement Southwest Tower duct and blankoffs installed.
7. All Punch List items to date have been completed.

D. Honeywell

1. Roughed in air lines for stairway radiation, ran air lines 1st Floor.
2. Put some stats on 3rd Floor.

II. PROGRESS OF WORK

D. Honeywell

3. Worked on demolition 4th Floor, traced down leaks in V.A.V. boxes, and piped Steam Station - ran high pressure air main for same.

E. Lamb Plumbing

1. Third Floor - Completed rough-in for Room 364.1, Jackson-Owre.

Cleaning fixtures on 3rd Floor Owre - Lab Areas.

Moving glass washers up to 3rd Floor Owre.

2. Second Floor - Rooms 297 and 298 should be complete this week with exception of three (3) drainboard sinks which we don't have yet.

We have completed fixtures and trim on all casework installed on 2nd Floor. We will complete Toilet Rooms after spray glaze is done on walls.

3. We have completed fire line piping to existing hose rack on 5th Floor Owre. We are now working on fire line mains in crawl space of Millard Area.

We have been doing demolition of piping for K.A. on 5th Floor by Stair "D".

4. We have core-drilled holes for new risers, (waste, vent and water) and have been working on rerouting lines in Room 89, Jackson.

5. We have also stockpiled our needed necessary trim, fixtures, carriers and related items in a room designated by Gordon Dahlen in the basement of Jackson for Room 88 Remodel.

6. We are in the process of removing as much of our unneeded material in the Courtyard as we can.

F. Lamb Heating

1. Completed installation of H.P. Steam and pumped cond. lines.
2. Completed installation of P.R.V. Station No. 2 in sub-basement of Southwest Tower.

II. PROGRESS OF WORK

F. Lamb Heating

3. Installing control piping on P.R.V. Station No. 1 in Mayo Garage.
4. Working on Unit S107 - 3rd Floor Southwest mechanical equipment tower.
5. Working on Unit S102 - 3rd Floor Southeast mechanical equipment tower.
6. Installing unit heaters all floors, Southwest and Southeast equipment towers.
7. Installed condensate drain piping for exhaust fans - Room No. 580, Jackson. Installing condensate drains on exhaust fans - Fifth Floor Owre.

G. Commonwealth Electric

1. Working on primary switch gear in Jackson - Owre vault.
2. Working on Fire Alarm System.
3. Doing Punch List - 3rd Floor, Owre.
4. Working on Southeast and Southwest towers.
5. Working on lighting and power, 2nd Floor Owre, Jackson.
6. Doing in-wall work - 4th Floor Owre.
7. Working with block layer with Electrical in Block.
8. Working with K/A on demolition.

III. GENERAL DISCUSSION AND NEW BUSINESS

1. Schedule - 3rd Floor Owre to start on Punch List Wednesday, November 1, 1978. Jackson 297-298 to be completed November 15, 1978. Sinks are to be shipped November 6, 1978 - will they be jobsite and installed?

III. GENERAL DISCUSSION AND NEW BUSINESS

2. Diagram for "EP" switches for fumes still not available! If switch is wired for fume hood 4th Floor Jackson, the fume hood will be tested this Friday, November 3, by Haldeman Homme.
3. Owre 250, 252, 254 - Plumbing work is required to connect the sinks from 3rd Floor. This will be scheduled by Gordon Herbst.
4. Commonwealth wants to start on 1st Floor Millard on fire alarm (1-15.1).
5. Millard Vault will have the electrical turnover 11/3 and 11/6.

The next Project Meeting will be held Tuesday, November 14, 1978, at the jobsite.

AJN/jes

cc: University of Minnesota, Lamb Plumbing, Hayes, Commonwealth Electric, Haldeman-Homme, Ceco, H.S.A.E.

Tom Kyle

KRAUS · ANDERSON of MPLS, Inc.

CONTRACTORS & CONSTRUCTION MANAGERS

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB NO. 0150

JOB PROGRESS MEETING NO. 31
TUESDAY, NOVEMBER 14, 1978

ATTENDANCE:

U of M

Gordon Lindholm
Gordon Dahlen
Tom Kyle
Muriel Lubansky
Steve Fredell
Jerry Bratt
Jack Geretz
Roy Anderson

Kraus-Anderson

Arne J. Nordli
Byron S. Yerigan

Hayes

Tom Loth
Charles Fritze

Lamb Plumbing

Jim Kehoe

Commonwealth Electric

Mike Rickard

Jack Iverson

H.S.A.E.

Bruce Johnson

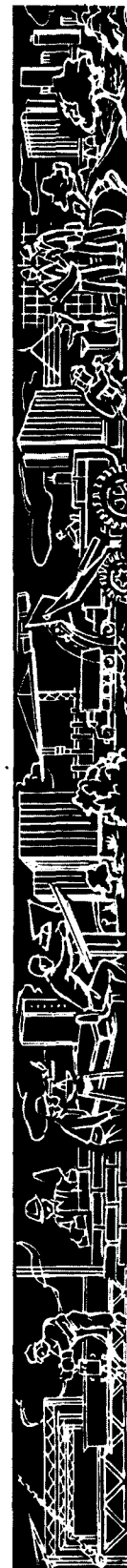
I. REVIEW OF MINUTES OF MEETING NO. 30

1. Jackson 88 is still scheduled to start December 1, 1978.
2. Existing casework on 2nd and 3rd floor - some still missing.
3. 3rd floor Owre being punched out.
4. Lamb Plumbing, three drainboards for 297, 298 Owre still not here. Also no sinks - Tim claims they will be here next week.
5. Haldeman Homme tested fume hoods 4th floor Jackson.

II. PROGRESS OF WORK

A. General Work Update

1. 1st Floor - Masonry patching of tile partitions.
2. General - setting hollow metal throughout building.



II. PROGRESS OF WORK

A. General Work Update

3. 4th Floor - Revamping demountable partitions, installing backing for window sills..
4. Poppenberger staying up with progress of job.

B. Lamb Heating

1. Completed control piping on P.R.V. station No. 1. Piped expansion tank and chemical feeder on reheat systems for S.W. and S.E. towers.
2. Working on chilled water coil and associated piping unit S107. (3rd floor S.W.)
3. Piped steam to Wing coil and to reheat coil in Unit S102 now working on condensate piping. (3rd Fl. S.E.)
4. Piping steam to wing coil and reheat coil in Unit S104. (Basement S.W. tower)
5. Completed installation of cond. riser in S.E. mechanical equipment tower.
6. Installing condensate drain piping for exhaust fans, 5th floor Owre.
7. Leslie Company is scheduled to be on the jobsite Thursday, 11/16/78 to assist in start up of PRV Station No. 2.

C. Lamb Plumbing

1. (Third Floor) Completed Punch List on 3rd Owre. Installed firehose cabinet in hall by Room 356 Owre.
2. (Second Floor) Installed glass wastes in ceilings of occupied offices in Jackson Owre, Rooms 250, 252, 254.
3. Completed Punch List above ceiling in Rooms 297 and 298. Still don't have drain board sinks for this area. Missing 3. New shipping date is November 17th.
4. Working on Vac. and air line mains in hallway Owre, 2nd floor.
5. Installed fire hose cabinet in hallway by Rooms 297-298 Jackson.

II. PROGRESS OF WORK

C. Lamb Plumbing

6. First Floor - Working on vent-glass piping in Owre, 1st floor in several rooms.
7. Basement - Working in incinerator room running fire line piping, and also the general area around this room in the crawl space. Keeping up with demolition. Piped up sump in tower basement, S.W. tower.

D. O'Brien Sheet Metal

1. Installing filters and gauges for fume hoods on 3rd floor.
2. Checked rotation of fans in tower S-107.
3. Finishing electrical work on filters for S-104.
4. Installing duct in 2nd floor 212 and S.E. tower 2nd floor. Just fan connections left.
5. Starting to install some diffusers on 1st floor Owre.
6. Need to get started in rooms 116 and 116.1 real soon.

E. Commonwealth Electric

1. Energized new switchboard in Millard Room 9 and removed old switchboard.
2. Working on Punch List 3rd floor Owre.
3. Connected E.P. Switches 4th floor Jackson 496 Rooms.
4. Working on inwall work 4th floor Owre.
5. Working on S.W. and S.E. towers
6. Working on fire alarm system.
7. Working on splicing up primary switchgear in Jackson - Owre vault.
8. Doing finish work 297 and 298 Jackson.
9. Working on 2nd floor Owre lighting and power.
10. Checking rotation of motors in MCCI that are for fume hoods and exhaust fan for 3rd floor Owre.

III. GENERAL DISCUSSION AND NEW BUSINESS

1. 1st floor Millard S.W. corner - areas to be vacated by University next week.
2. Third floor fume hood testing should start. This is to determine if design is proper.
3. Final inspection on 3rd floor has 250 items. Additional inspection should have a preliminary that takes care of most of these items beforehand.
4. Two rooms, 3rd floor Ovre 0-360.1 and 0-360.2 has existing paneling that was damaged during construction mostly by Mechanical and Electrical. What should we do. Existing room finished showed no existing paneling and/or carpeting to be protected.
5. Be sure the filter for radio-active hoods can be serviced without removing the ceiling.
6. Be sure Basement Ovre, ~~that must be~~ reworked in December, has all the material available to complete work on time.

KRAUS-ANDERSON of MPLS, Inc.

CONTRACTORS & CONSTRUCTION MANAGERS

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB NO. 0150

JOB PROGRESS MEETING NO. 32
TUESDAY, NOVEMBER 28, 1978

NOV 30 1978

UNIV. OF MINN.
HEALTH SCIENCES
PLANNING OFFICE



ATTENDANCE:

U of M

Tom Kyle
Gordon Lindholm
Roy Anderson
Jack Geretz
Dave Lee
Gordon Dahlen

Kraus-Anderson
Arne Nordli
Byron Yerigan

Hayes Contractors
Muriel Lubansky
Tim Loth
Charles Fritze

Haldeman-Homme
Bill Homme
C.E.C.O.

K. Bengtson
Mike Rickard
J. Iverson
H.S.A.E.
Bruce Johnson

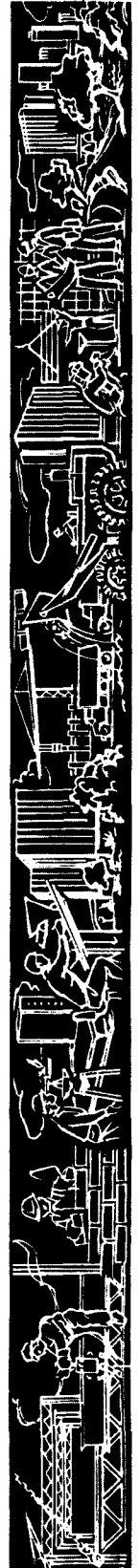
I. REVIEW OF MINUTES OF MEETING NO. 32

1. Jackson 88 will start December 1, 1978
2. Owre 297 & 298 sinks still missing.
3. Millard 116 & 116.1 have been started to be worked in.
4. 3rd floor Owre fume hoods testing will start next week.

II. PROGRESS OF WORK

A. General Work Update

1. Finishing Hardware & Punch List. Finishing Painting-3rd Floor Owre.
2. Applied special finish 3rd Floor - Owre.
3. Darkroom & Room 364 - waiting on existing casework.
4. Install radiation brackets & window stools-4th Floor-Owre.



II. PROGRESS OF WORK

A. General Work Update

5. Waiting on existing casework, 2nd Floor - Owre.
6. Getting two rooms 2nd Floor Owre (Library and Conference) ready for turnover this Friday.
7. Patching floors + 2nd floor Owre - getting ready for flooring.
8. Ceilings going in for 297 - 298 Jackson 223, 224, 225. Owre will be next bur K/A is waiting on University for above ceiling inspection.
9. Haldeman Homme is not on job, only 1/2 of casework for 1st Floor Owre is here.

B. Haldeman Homme

1. Wednesday there will be a truckload of equipment. All material for job is available but there is no storage area.
2. Working on punch list, 3rd Floor, Owre.
3. All material is available for basement Jackson Owre.

C. Wm. Poppenberger & Son, Inc.

1. Plastering on First Floor, Owre.
2. Drywall on 5th Floor, Owre.

D. Lamb Heating

1. Installing humidifiers in Unit S107.
2. Installing condensate returns, Unit S104 Wing coil & reheat coil.
3. Piping cooling coil, Unit S102.
4. Piping steam and condensate return to Wing Coil, Unit S101.
5. Completed piping drain lines from fume hood exhaust fans 5th Floor Owre, Jackson Owre and Millard.
6. Running reheat mains in hallway 2-10 second floor Millard.
7. Piping for 3rd floor S.E. Unit S102, now finishing cooling coils, humidifiers yet to be installed. Need Honeywell & Commonwealth so unit will run.

II. PROGRESS OF WORK

E. Lamb Plumbing

1. Glass washers disassembled and moved into building.
2. 1st Floor - Finishing glass waste & Vents & water lines.
3. Room 116 - removed piping for sheetmetal access.
4. 2nd floor - waiting on drainboard sinks.
5. 1st floor - waiting on casework.
6. Setting fixtures in toilets on 2nd Floor.
7. Having Poppenberger patch wall openings - all floors
8. Finishing Vac. & Air - Hall 2nd Floor.
9. Working in crawl space.

F. O'brien Sheet Metal

1. 1st Floor Millard - Room 116A and 1st Floor Tower hanging duct.
2. 4th Floor Owre on north side of corridor hanging Stainless Steel for fume hoods and installing new registers where called for.
3. 3rd Floor S.W. Tower Unit S-107 operating.
4. 2nd Floor S.E. Tower fan connections being made.
5. 1st Floor S.E. Tower fan connections to be measured end of week.

G. Commonwealth

1. Working on Fire Alarm System.
2. Working on lighting in Jackson Owre and Millard Vaults.
3. Working on S.E. & S.W. Towers.

II. PROGRESS OF WORK

G. Commonwealth

4. Working on primary switchgear in Jackson-Owre vault.
5. Doing some finish work 2nd Floor Owre.
6. Working on cable tray and conduit for telephones -
Basement and 1st Floor Owre.
7. Working on punch list 3rd floor Owre.

III. GENERAL DISCUSSION AND NEW BUSINESS

1. 3rd Floor, 356 Millard, run fans to get construction dirt out of system so computer equipment can be installed.
2. Room 446 - Fume hood may have to be relocated. Architect will go over with Roy Anderson & Tim Loth.
3. Jackson 88 to start this Friday, December 1, 1978.
Minimum height must be determined.
4. When we start work in laboratories, 4th Floor, Lyon, The University will determine when sinks that have had radioactive material poured into them are safe to work on.
5. Gordon Dahlen will give K/A a list of damages for waste water that was inadvertently poured into a sink on 3rd floor and fell on people on second floor since the drain wasn't hooked up.

KRAUS · ANDERSON of MPLS, Inc.
CONTRACTORS & CONSTRUCTION MANAGERS



JONL COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB #150

JOB PROGRESS MEETING NO. 33
TUESDAY, DECEMBER 12, 1978

ATTENDANCE:

U of M

Dave Lee
Jerry Bratt
Gordon Dahlen
Jack Geretz
Muriel Lubansky
Gordon Lindholm
Roy Anderson
A. W. Johnson

Kraus-Anderson
Arne Nordli
Byron Yerigan

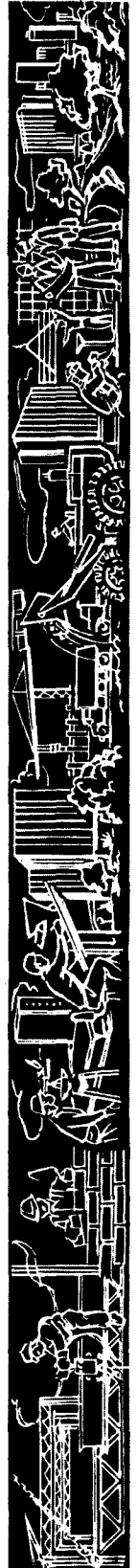
Hayes

Tim Loth

Lamb P1bg.
Jim Kehoe
CECO
Mike Rickard
J. Iverson
K. Bengtson
H.S.A.E.
Bruce Johnson

I. REVIEW OF MINUTES OF MEETING NO. 32

1. Owre 297 & 298 sinks are jobsite.
2. 3rd Floor Owre fume hood testing did not start. We need this done immediately.
3. Waiting on casework Room 364 & Darkroom.
4. Owre 242, waiting on casework.
5. Haldeman Homme's casework for 1st Floor Owre is still not all on job; need very badly; holding up entire job.
6. Basement Jackson Owre, some casework tops have warped and may need replacing.



I. REVIEW OF MINUTES OF MEETING NO. 32

7. S.E. Tower Unit S102 will be running next week after Honeywell finishes.
8. Commonwealth will have audible for fire alarm system on 3rd Owre by Friday.
9. Personnel from 2nd Floor Millard Southeast, will be moving to 3rd Floor Owre starting next week and will be completely moved January 1, 1979.
10. Room 446 - Fume hood may have to be relocated.

II. PROGRESS OF WORK

A. General Work Update

1. Working in J-88 on demolition and built curb in cooler room. Plasterer working in area at present.
2. J 70 working area.
3. Hanging toilet partitions 2nd floor Owre
4. Paneled rooms, 3rd floor Owre.

C. O'Brien Sheet Metal

1. 1st Floor Room 116 and Millard 116.1 hanging duct work.
2. 2nd Floor Room 212 Millard duct work complete, waiting for ceilings.
3. 2nd Floor Southeast Tower fan connections being made.
4. 1st Floor Southeast Tower fan connections being made.
5. Room 88 duct work installed.

D. Honeywell

1. Working 3rd Floor S.E. Tower (2 men)

II. PROGRESS OF WORK

E. Lamb Plumbing

1. All Stainless Steel Sinks are now here with exception of one (1) sink in which there was a mistake in shipping.
2. Durcon drainboard sinks arrived last Friday. Shipment was complete.
3. Have trimmed out all Stainless Steel Sinks for Rooms 1 & 54 in Basement Owre. Some rooms are ready now for casework.
4. Piped up all waste lines in crawl space under this area in Owre Hall.
5. Completed rough-in of plumbing W/V & water pipe in Room 88 Jackson. Have tied in waste piping in crawl space, and have a shutdown request in to tie in waters.
6. Piping up gas and air in reagent racks on 2nd Floor casework. That wasn't complete due to missing covers. This is in Owre.
7. Piping up all services to fume hoods on 1st Floor Owre. Starting on fixtures in main bathrooms on 1st Floor Millard.
8. Removing piping for ductwork in Rooms 116 & 116.2.
9. Working on glass vent piping & water services in 1st Floor Owre & Millard.
10. Working on main dist. water risers on 4th & 5th Floor Owre.
11. Working on test for fire line now in complete complex as the whole system has to be done before it can be activated. Testing separate risers can be done, but complete system has to be done before it can be activated. About 1-1/2 weeks ago I was made aware that they needed this system complete before occupancy of 3rd Floor. Three months ago they talked about occupying 3rd Floor and the only necessary things then were heat & ventilation. Nothing was said about a fire line. It won't be done in one week for occupancy.
12. Poppenberger is doing our patching as necessary in non-construction areas.

II. PROGRESS OF WORK

E. Lamb Plumbing

13. We have been doing demolition to keep up with K/A, as our outage requests allow us. We have also been moving material from areas to allow finishing in these areas.

New Business - We will be the last ones to be able to finish in Rooms 1 & 54 Basement Owre. So I hope everybody ahead of us doesn't use all our time up. The same holds true for Room 88.

F. Lamb Heating

1. Installing pneumatic valves 4th Floor of Millard.
2. Piping reheat coils 4th Floor S.E. Tower also installing automatic vents on hydronic risers.
3. Completed Unit S102 3rd Floor S.E. Tower.
4. Piping Unit S101, 2nd Floor S.E. Tower.
5. Relocated existing reheat risers in Room 88 Jackson, as per a verbal instruction by Roy Anderson 12/8/78.
6. Blanking off steam, condensate and Ch. water risers (for future) 4th Floor S.E. Tower.
7. Installing chilled water pumps P-1 & P-2 in basement of building BC.
8. Completed piping wing coil & reheat coils in Unit S104 (Basement SW Tower) now piping cooling coils & Ch. water mains.
9. Piping heat recovery coils (exhaust & intake coils) 3rd Floor S.W. Tower.

G. Commonwealth Electric

1. Working on S.E. towers.
2. Working on finish work 2nd floor Owre.

II. PROGRESS OF WORK

G. Commonwealth Electric (7 men)

3. Working on Jackson Room 88.
4. Working on PUnch LIst 3rd Floor Owre.
5. Working on Fire Alarm System
6. Working on Mechanical Room 12.3 Millard.
7. The fire alarm will not be put in Jackson for all four floors until wall is put in in Jackson 88.

H. General Discussion & New Business

1. The darkroom revolving door hinging did not come with the door.
2. See progress sheet.
3. There will be a great deal of additional temperature control required for 4th Floor Owre according to Roy Anderson. There must be a modification worked up on this.
4. Lamb Heating may need verbal go ahead on modification before formal modification is approved.
5. Need a decision on what is acceptable on approval of walls for painting.
6. Garage storage area must be cleaned up & materials condensed into one area.
7. Ceiling man did not revamp area to receive filters for fume hoods.
- 8a 3rd Floor Owre Darkroom revolving door calls for a hinge and roller in area to allow the whole door to swing out in case of fire.
- 8b Sink & drainboards for Jackson 2nd Floor are here.
- 8c 2nd Floor Owre - All fume hoods are hooked up & ready for testing - (will be testing on Friday @ 10:00 A.M.); ventilation should be complete this week; Fire alarm is being worked on & fire protection should be completed this week.

II. PROGRESS OF WORK

H. General Discussion & New Business

- 8d Jackson S8 - University needs two days to reinstall fin tube refrigerator; Gordon Lundholm to coordinate with Byron Yerigan so all work for area will be completed by January 1, 1979.
- 8e 3rd Floor Owre - Ventilation will be complete when Honeywell finish their work next week. Fume hoods to be tested by Balderson Homme on Friday.
- 8f Chilled water for air conditioning of complete building to be done by March 1, 1979.
- 8g 4th Floor Owre, complete area to be done by February 1, 1979.
- 8h 4th Floor - Lyon, sinks for laboratories are on sink. We can start work no later than January 15, 1979. Pneumatic temperature valves - how long will they take to install? How many cabinets have to be pulled out in order to install the valves? We should work out a plan with Lamb.

Next meeting, No. 34, will be held December 26, 1978, 1:30 P.M. at Jobsite.

Tom Rygle

KRAUS-ANDERSON of MPLS, Inc.
CONTRACTORS & CONSTRUCTION MANAGERS

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB #150

JOB PROGRESS MEETING #34
THURSDAY, DECEMBER 29, 1978

JAN 9 Rec'd

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE



ATTENDANCE:

Kraus-Anderson

Byron Yerigan
Arne Nordli
Owen Schilling

Hayes Contractors

Tim Loth
Haldeman-Homme

Bill Homme

J. B. Nelson & Son, Inc.

Don Froom

Honeywell

Ken Krogh
Dave Day

U of M

Gordon Dahlen
Muriel Lubansky
Gordon Herbst

C.E.C.O.

Mike Rickard
Ken Bengtson
S. Iverson

H.S.A.E.

Bruce Johnson
Lamb Heating
Chuck Fritze

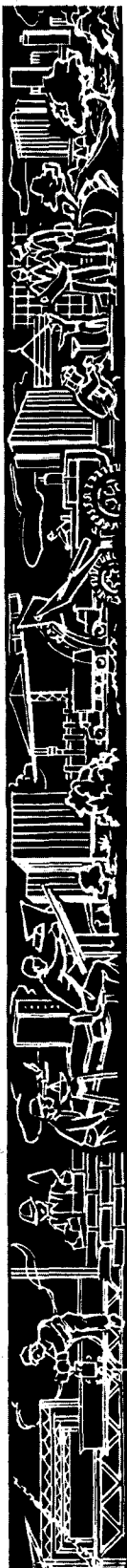
I. REVIEW OF MINUTES OF MEETING #33

1. Drainboard sink for Owre 297 & 298 are wrong. The sinks have to be reordered, but we are using the sinks delivered in a temporary measure.
2. Bill Homme says all casework for 1st floor Owre is jobsite.
3. Honeywell finished S.E. Tower 3rd floor and started system yesterday.
4. Darkroom revolving door - specification did not call for any hinges or rollers, which would have allowed the door to be pushed out on the hinge in case of an emergency.
5. Start work 4th floor Lyon January 8, 1979. Temperature control is almost complete.

II. PROGRESS OF WORK

A. GENERAL WORK UPDATE

1. Jackson 88.1, Special finish for walls, ceiling and floors will be finished this Friday. Complete works will be done by the end of next week.



II. PROGRESS OF WORK

A. General Work Update

2. Demolition starting on 2nd floor, Millard.
3. Working on Jackson 70 area on demolition & masonry patching.
4. Millard Room 14 (S.E. Corner) worked on exterior south wall demolition and cutting new openings.
5. JO 54.2, 54.3 and 54.6 - doing the rework plus extra work on two doors (revamping) Owre 1 & 2 & 6 - doing the rework.
6. Owre 1st floor - working on windows stools, also 4th floor.
7. Jackson 297 & 298 complete except base which hopefully will be done on Friday.
8. Demountable partitions should be completed on 4th floor Owre next week.
9. Pour stair treads

B. Haldeman-Homme

1. Working in basement Owre - 1st floor Owre, 2nd floor Jackson - finish this week.
2. Tops for 88.1 - 364.1, part of 1st floor Owre and reworked tops for basement - will deliver 12/30/78.
3. Balance first floor Owre tops - deliver week of 1/7/79.

C. O'Brien Sheet Metal

1. Basement, Millard-Room 14. Duct complete.
2. Basement Jackson, running duct in chase from crawl space to ceiling of first floor and 2 registers to be installed in corridor (Basement and 1st floor).
3. Second floor - 212 area - running duct to room 213 from 212 (need electrical panel moved by demolition).
4. Basement room 6 duct was torn out so walls can be completed.
2 men on job.

II. PROGRESS OF WORK

D. Honeywell

1. Ran air lines for radiation and installed stats, hooked up valves - fourth floor. Lyon and Millard completed mounting controls and piping of Unit #102 - put into operation.
2. Reinstalled stats and made changes in piping - fourth floor Owe where walks are being deleted or moved. (4 men on job)
3. Working now on S.E. tower and completing rough in on fourth floor Owe.

E. Leab Plumbing

1. 297 & 298 Jackson - Installed drainboard sinks and finished rooms
2. Room 88 Jackson - Have completed rough in for fixtures and waiting for finishing.
3. 1 & 54 - Basement Owe - We are installing sinks as counter tops are ready.
4. 1st floor Owe - 2 men finishing.
5. 3rd floor Owe - Hooking up dishwashing equipment.
6. 2nd & 1st floor Millard - Installed fixtures in men's and women's toilet rooms.
7. Fireline - have completed fireline and tested at 250 lbs. hydro for two hours witnessed by Gordy Dahlen. Ordered and waiting for material needed to make final connections.

F. Heating

1. Completed heat recovery piping third floor S.W. tower. Piping unit heaters on 3rd and 4th floor, installing auto vents on hydronic piping 3rd and 4th floor.
2. Completed piping unit S104 Basement S.W. tower, piping heat recovery coil in same room.
3. Completed installation of Ch. water pumps P-1 and P-2 in basement of Building B.C.

II. PROGRESS OF WORK

Lamb

F. Heating

4. Installing ch. water pump P-3 in Mayo garage. Piping from pump to shaft in tower and from tower to
5. Completed piping heat recovery coil 3rd floor. Piping recovery coil 2nd floor S.E.
6. Piping unit heaters all floors S.E. tower. Piping auto vents 3rd and 4th floor.
7. Completed piping unit S101 2nd floor S.E.
8. Piping unit S100 1st floor S.E.
9. We are removing all pipe, pipe fittings and equipment that will not be used in remodeling from the Mayo garage in accordance with request received from Gordon Dahler.
10. Installing pneumatic valves in pinned to floor Lyon and Millard.

G. Commonwealth Electric

1. Working on 2nd floor (Owre) finish work
2. Working on Fire Alarm System.
3. Working on 4th floor Owre.
4. Switched south transformer "On" and turned off north transformer in Jackson - Owre vault, so that north transformer can be used for new primary switchgear for north transformer.
5. Started demolition on 2nd floor - Millard.
6. Working with Block Layer with electrical work on
7. Working on S.E. tower.

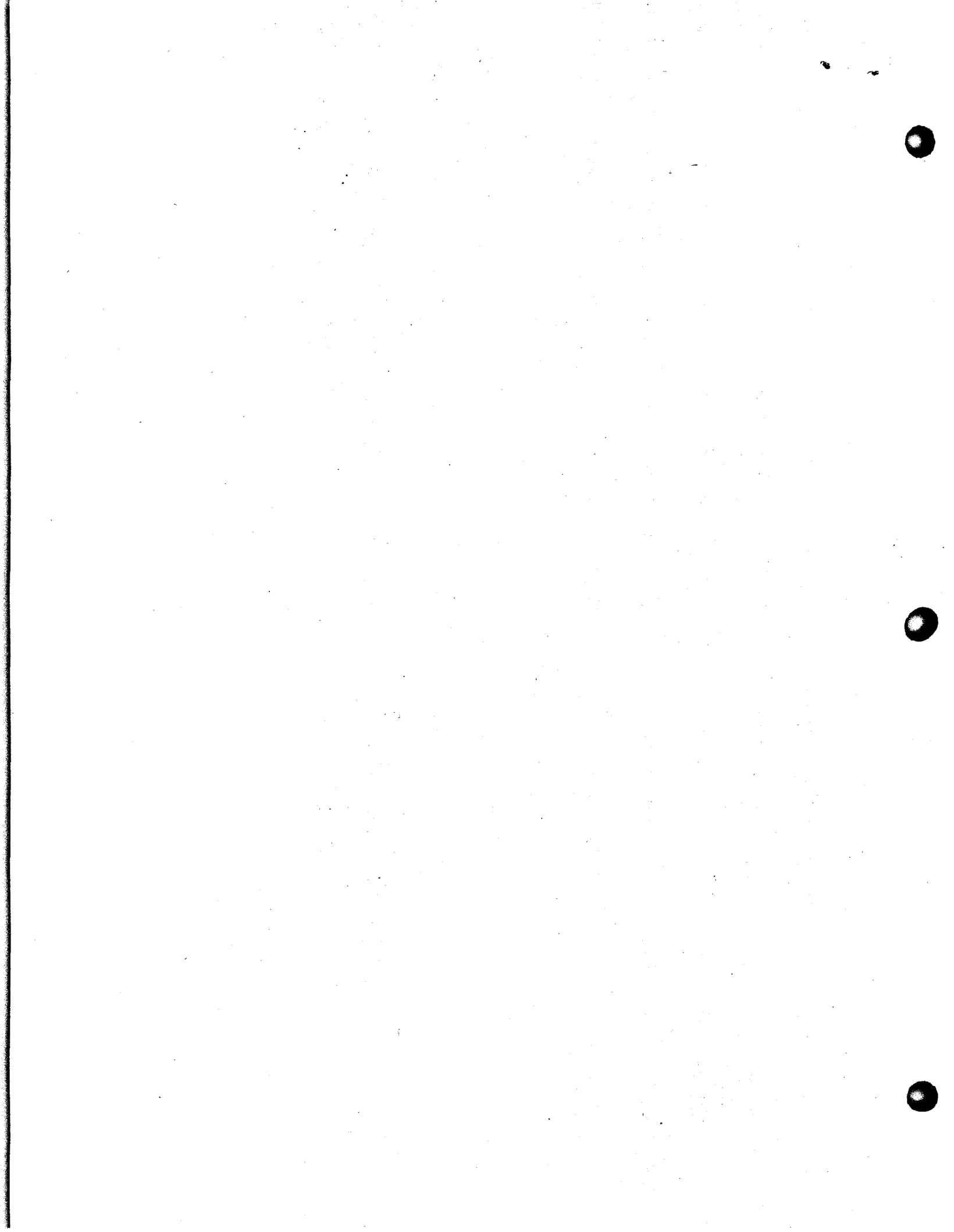
II. PROGRESS OF WORK

General Discussion & New Business

1. Jackson 297 & 298 will be punched out by Gordon Dahlen Griday.
2. 1st floor Owre - work starting in S.E. tower by fitters yesterday - will take 8 weeks to complete.
3. J.O. 54.3 - Haldeman Homme cannot revise his cabinets to fix existing dimensions. It appears that a 24" cabinet may have to be left out. Also, Haldeman-Homme is waiting for existing casework.

Next meeting at Jobsite - January 9, 1979 at 1:30 P.M.

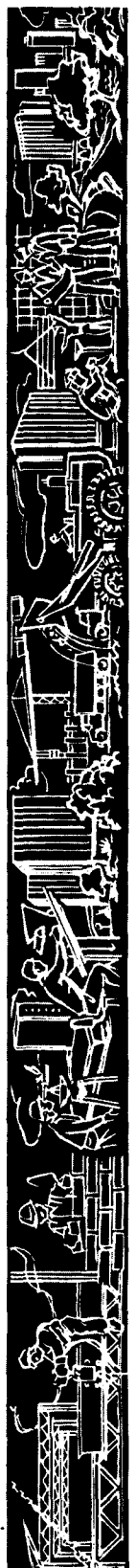
Mbd. #95 hold for field order.



KRAUS-ANDERSON of MPLS, Inc.
CONTRACTORS & CONSTRUCTION MANAGERS

JAN 11 Rec'd

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE



JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB NO. 150

JOB PROGRESS MEETING NO. 35
TUESDAY, JANUARY 9, 1979

ATTENDANCE:

U of M

A.W. Johnson
Gordon Dahlen
Tom Kyle
Muriel Lubansky
Roy Anderson
Gordon Herbst
Steve Fredell
Gordon Lindholm

Kraus-Anderson
Arne Nordli
Byron Yerigan
H.S.A.E.

Bill Poppont
Bruce Johnson

Julius B. Nelson
Don Froom
Commonwealth Electric
Mike Rickard

Hayes

Tim Loth
Jim Kehoe

CECO

K. Bengtson
J. Iversen
Lamb Plbg.
Charles Fritze
Honeywell
Ken Krogh
Dave Day

I. REVIEW OF MINUTES OF MEETING NO. 34

1. First Floor Owre tops for casework, some have arrived but not complete.
2. Jackson 297 and 298 punched out.

II. PROGRESS OF WORK

A. General Work Update

1. Stair D - concrete complete.
2. Owre Basement Room No. 1, 54.2, 54.3, 54.6 - complete except for radiation covers.



II. PROGRESS OF WORK

A. General Work Update

3. Working in Jackson Hall storage area Room No. 70 area.
4. Window sills complete on first floor and second floor Owre.
5. Working on demolition second floor Millard (75% complete)
6. Setting door frames second floor Millard.
7. Removing countertops fourth floor Lyon.
8. Hung doors on second floor Owre.
9. Toilet partitions complete second floor Owre, Room 208.1-208.4.
10. Working in Room No. 424.6 - finish work (80% complete).

B. Haldeman Homme

1. Working on first floor
2. Missing some existing cabinets for second floor.

C. O'Brien Sheet Metal

1. First floor Millard, all main duct lines are installed.
2. Second floor Millard, running duct to room from main trunk line in corridor. Have completed room 212, 213, 206. Waiting on piping to be removed.
3. Second floor southeast tower complete as far as duct system.
4. First floor southeast tower only one fan to hook up before complete, should be done by end of week.
5. Need ceilings in to hang diffusers and install registers, fourth floor Owre and first floor Owre.

D. Honeywell

1. Hooked up radiator valves and installed stats fourth floor Lyons (two valves left to hook up when installed), also, fourth floor Millard N.E. section, valves and stats.
2. Mounted stats and changed piping fourth floor Owre North side, ran air lines to stats and valves on South side.
3. Ran air lines from Millard to S.E. Tower on first and second floors.
4. Put Unit S-102 into operation after completing hookup.

II. PROGRESS OF WORK

D. Honeywell

5. Installed stats on second floor Jackson.
6. Mounting and piping controls on Unit S-104.

E. Lamb Plumbing

1. Basement Jackson No. 88- Complete with exception of hanging flushing rim sinks.
2. Basement Owre- Completed sinks and trim in Rooms 1 and 54. Waiting to make one final connection into waste stack in crawl space, for one sink.
3. Basement Millard- Completed piping of deionized water piping in Room 22, for walk-in cooler.
4. First Floor Owre- Finished all sinks and trim in casework where countertops are installed. All fume hoods installed have the plumbing services hooked up.
5. Second Floor Millard- Working on demo, with K/A, completed rough-ins in Rooms 212.1 for sinks. Working on branch fire-line piping to (2) new fire hose cabinets. Have also done some work on deionized water mains this area.
6. Installing acid resistance counters and sinks where called for, Second Floor Owre, working on services to two fume hoods that were installed by casework contractor. Did punch out below ceiling for mech. in 297-298 with Roy Anderson. We have completed the punch list.
7. Fourth Floor Lyon- Have been disconnecting sinks so new countertops can be installed.
8. Fifth Floor Millard Penthouse- Working on installing new vacuum pump and teeing into existing system.

F. Lamb Heating

1. Completed installation of chilled water pump P-3 in Mayo Garage. Installing piping at mezz. level of S.E. Tower (chilled water & gly. mains).
2. Completed unit heaters on all floors of S.E. Tower.
3. Piping unit S100 on first floor S.E. Tower.
4. Completed piping heat recovery coils on second floor, S.E. Tower and basement of S.W. Tower.

II. PROGRESS OF WORK

F. Lamb Heating

5. Installing chilled water pump P-6 in mech. Room 580 Jackson.
6. Working on radiation on second floor of Millard and Rooms 464 and 466 Lyons.

G. Commonwealth Electric

1. Doing finish work second floor Owre.
2. Finished conduit and wiring for new primary switchgear in Jackson-Owre vault.
3. Working on demolition second floor Millard.
4. Finish work in Jackson Room 88.
5. Working on fire alarm system.
6. Working on first floor Owre, doing finish work.
7. Working on variable drive units for chilled water pumps in S.W. Tower and basement of B.C.
8. Finished work in Rooms 297 and 298.

H. General Discussion & New Business

1. First Floor Millard completion of February 1, 1979. Plumbing will have to come into this area due to lines coming down from 2nd Floor Millard.
2. Fourth Floor Lyon, one doctor in Room 467 will not let us into his room. This room will be the last one to be finished to allow the Doctor to schedule his work.
3. Haldeman Homme should review isotope fume hoods regarding access panels cut-in.
4. Owre Fourth Floor, two stats that go to Mayo, are to be removed.
5. First and Second Floor Owre, completion target date, February 1, 1979.

Next meeting, No. 36, will be held January 23, 1979, 1:30 P.M. at Jobsite.

KRAUS-ANDERSON of MPLS, Inc.

CONTRACTORS & CONSTRUCTION MANAGERS

JOML COMPLEX CONTRACT (B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB NO. 150

JOB PROGRESS MEETING NO. 36
TUESDAY, JANUARY 23, 1979

JAN 24 Rec'd

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

ATTENDANCE:

U of M

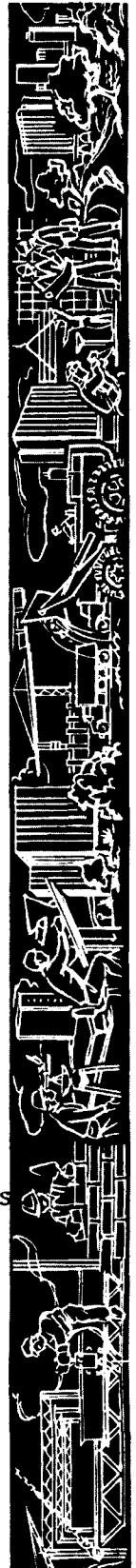
Jack Geretz
Gordon Dahlen
Muriel Lubansky
Tom Kyle
Gordon Lindholm
Steve Fredell
Kraus-Anderson
Arne J. Nordli
Commonwealth Electric
Mike Rickard

Hayes Contractors

Tim Loth
Lamb Plumbing
Jim Kehoe
Lamb Heating
Charles Fritze
J. B. Nelson
Don Froom

I. REVIEW OF MINUTES OF MEETING #35

1. Radiation covers for basement J.O. have been measured but are not on job.
2. Room M 424.6 complete except for base and floor tile and window and sink caulking.
3. Five pieces of casework are missing on Haldeman Homme complete casework contract.
4. 1st Floor Millard completion looks more like the middle of February due to the lateness of counter tops.
5. Lyon 467 - Situation unclear as to what work will be done. Should be cleared up this week.
6. Remind Haldeman Homme of access panel cut-ins for isotope fume hoods
7. Drainboard sinks - Jackson are not approved according to Bruce Johnson.
8. Darkroom revolving door - can this be modified?



II. PROGRESS OF WORK

A. General Work Update

1. Need counter tops. J.O. Basement Room #6 & 2.
2. Room 76 isn't done, will do after J88 is turned over.
3. Extra work in J88 has been taken.
 - A. Remove & rebuild wall.
 - B. Face the wall w/formica from Osvold.
 - C. Resurface floor.
4. Waiting for seven pieces casework for M-21. This comes from M-24.
5. Need schedule for stair/corridor to exterior, i.e. count N.E. corner at grade.
6. 1st Floor Owre - waiting on about 1/2 of the countertops.
- waiting on 12 pieces of existing casework
7. Millard 124 & 126 - need schedule.
8. Millard 101 & 130-136 next phase.
9. First floor Jackson, West corridor - need outages to start work. Nothing is done.
10. First floor J.O. 158.1 - 158.4 hasn't started.
11. Second Floor Jackson - west corridor & J.O. 250, 254 & 256 need schedule and outages to start work.
12. Second Floor Owre - Missing some countertops and missing thirteen pieces of existing casework.
13. Second Floor Millard S.E. University removing existing piping and ductwork.

Partition Tile patching being done.
14. Third floor Jackson 274 & 382 - ceramic tile patching required? Time and material bases.
15. Third Floor Jackson 364.1 need counter top.
16. Third Floor Jackson J.O. 3.08.7B Need answer on door hardware.
17. Third Floor Jackson Owre 310 need spec. finish patch. Everything complete third floor except above.
18. Question on door closure Women's toilet; also turn door 90° on second and third floor handicapped stalls.

II. PROGRESS OF WORK

A. General Work Update

19. Fourth Floor Owre - Many questions that need answers especially casework.
20. Need schedule for S.W. corner work in Room JO 452 & 456.
21. Lyon Hall - Second Floor, next phase.

PAINTER WAITING FOR COUNTERTOPS.

B. Haldeman Homme

THREE MEN

C. Obrien Sheet Metal

TWO MEN Basement, Southwest Tower operating.

1. Second floor Millard Ductwork all hung.
2. Second floor Owre Room 242 fume Hoods hooked up and operating.
3. Fourth floor Owre installing diffusers in rooms south of corridor. Isolated duct to be installed, also some fume hoods.
4. New Business: Jackson Owre:
1st floor - 158-158.4 - 158.3, etc.
2nd floor - 250-254-256
4th floor - 252-254-256
Need to start ductwork installation.

D. Honeywell

1. Completed installation of fan units 104 and started it.
2. Tied in air main for 1st floor Owre and Millard and hooked up radiator valves.
3. Started installation of fan unit S-102.

E. Lamb Plumbing

1. Completed all work on replacing new sinks and reconnecting existing ones on fourth floor. Lyon Area.
2. Completed fire line tie-in into new system and have all the old risers disconnected from the domestic system and tied into the new one.

II. PROGRESS OF WORK

F. Lamb Heating (10 Fitters)

3. Completed about 90% of layout on 2nd floor Millard and have core drilled holes. We are now running glass waste piping in 1st floor Millard culing and have run the glass vent piping in 2nd floor Millard. Some water mains have also been run.
4. Had a shut down on deionized water in 5th floor Owre and tied in two new down feed risers.
5. Completed vacuum pump tie-in to existing system in 5th floor Millard penthouse. Its ready to be wired now by electrician.
6. Had a shut down on waste and water piping in basement of Jackson B.4.1. These lines were rerouted out of the way of a new doorway.
7. Had a shutdown of water, vac., air, and gas in Owre 452 so cabinets could be removed for K/A.
8. Have a shutdown today on services water and gas that are in the floor of 2nd Millard, so we can move these for demolition.
9. We are working on 1st floor finishing as counter tops are available. We are now working on fume hoods in 242 Owre and also on fume hood in Room 364.1 of Jackson. We'll do as much as we can with exception of counter top sink. Counter top is not here.
10. We have completed hook up of services and completed fixtures in Jackson Basement Room 88. We have one flushing rim sink that has a factory flaw in it, and we are checking on a replacement for it.

G. Commonwealth Electric (5 Electricians)

1. S.W. tower and basement of B.C. working on variable drive units for chilled water pumps.
2. Working on fire alarm system.
3. Doing finish work on 1st floor Owre and Millard.
4. Working on demolition, a rough-in 2nd floor, Millard.

H. GENERAL DISCUSSION & NEW BUSINESS

1. Modification 38, 74, (76 cancelled) 79, 80, 84, 85, 86, 91, 93, 97 are approved. Proceed with the work.
 2. Mod. 73E - Electrical costs are questioned.
Mod. 75A - Lamb repricing required.
Mod. 81 - Waiting on costs from Commonwealth or price in some field work order.
Mod. 83 - Questioning the installation cost.
Mod. 85 - Calculation wrong.
Mod. 90 - Access panels - question on installation.
 3. Fourth floor Owre thermostats.
 4. Completion of second floor Millard April 1, 1979.
 5. Fan S-101 to start up next week; Fan S-100 will take three weeks.
 6. Tom McDonough to see Gordon Dahlen for testing of Better-Bilt equipment.
 7. Sanders to reseal floor and seal patch in 310.
 8. Punch list on casework - 3rd floor is not being completed very fast (Owre)
 9. Housekeeping on job is not very good.
 10. Excess materials should be removed from site.
 11. Chilled water is still scheduled for completion in March.
- Next meeting is on February 6, 1979, 1:30 P.M. at jobsite.

KRAUS-ANDERSON of MPLS, Inc.

CONTRACTORS & CONSTRUCTION MANAGERS

JOML COMPLEX CONTRACT (B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB NO. 150

JOB PROGRESS MEETING NO. 37
TUESDAY, FEBRUARY 6, 1979

ATTENDANCE:

U of M

A.W. Johnson
Gordon Dahlen
Gordon Lindholm
Tom Kyle
Pete Panchyshyn
Jerry Bratt
Roy Anderson
Kraus-Anderson
Arne Nordli
Dave Bernig
Haldeman Homme
Bill Homme
Don Yoseth
Homer Cronquist

O'Brien Sheet Metal

Don Boeser
Lamb Plumbing
Jim Kehoe
Lamb Heating
Charles Fritze
Commonwealth Electric
Jack Iversen
Mike Rickard
Karl Bangtson
H.S.A.E.
Bill Poppont
Honeywell
Dave Day

FEB 12 Rec'd
UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE



I. REVIEW OF MINUTES OF MEETING NO. 36

1. Haldeman Homme casework, three pieces still missing.
2. Counter tops for wide counters 5' can be made from 4'x8' sheets if cup sinks can be avoided.
3. Lyon 467 work proceeding.
4. J 297 & 298 drainboard sinks not approved. Lamb will reorder 7 or 9 that's required for complete job.
5. Darkroom door - can this be modified?
6. University wants thermostats hooked up on third floor. Metal ceilings aren't in because they are waiting on telephone line installation in trays.
7. Haldeman Homme's casework on third floor Owre has some wrong hardware according to the University, Bill Homme must clear this up with Gordon Dahlen.



II. PROGRESS OF WORK

A. General Work Update

1. Setting hollow metal frames and blocking in at first floor Millard and stair I - Jackson Hall.
2. General clean-up.
3. Finish up burned-out room second floor Owre Hall.
4. Setting hardware and doors first and second floor Owre.

B. Haldeman-Homme

1. Setting tops and cabinets both old and new as area becomes available.
2. Clean up areas that are in a fairly complete status.

C. O'Brien Sheet Metal

1. Cover for deep shaft tunnel is on. Working on second floor Millard exhaust duct - just diffusers left.
2. Stainless steel pipe installed for one of three fans for Penthouse - 510 Millard. Waiting on demolition of rooms to complete risers of other two.
3. All equip. rooms have the duct complete, filters are operable.
4. Need ceiling to install diffusers on first floor Owre, second floor Millard and fourth floor Owre.

D. Lamb Plumbing

1. Completed hook up on fume hoods in 242 Owre and sinks except for missing counter tops.
2. Finished work in Room 88, Jackson.
3. Completed all work in Room 364.1, Jackson.
4. Completed all waste glass piping in ceiling of first floor, Millard.
5. Completed sinks and trim in Room 136, Owre.

II. PROGRESS OF WORK

D. Lamb Plumbing (continued)

6. Had a shut down on services on second floor Millard, and removed waters and gases in open areas, and cut into existing risers to valve for new services.
7. Finished all case work with counter tops in Rooms 118, 118.2 and Room 122, Millard. We still need a couple counter tops in this area.
8. We are repiping all services in Room 405.2 glass washer room, as the equipment didn't fit the way it was shown.
9. We disconnected sinks in 467 Lyon for Kraus-Anderson, so the the counter tops can be replaced.
10. We have about 95% of waste and vent complete on second floor Millard and we are now working on water piping and gases for this area.
11. Working in Room 116, Millard reconnecting vent piping and waters and gases that were removed for the installation of duct work tight to the ceiling.
12. We have moved out of some areas on first floor Millard where we had material stored, and also first floor Owre, where Kraus-Anderson needed the rooms to tile.

E. Lamb Heating

1. Installing pne. valves and relocating pin tube second floor Millard.
2. Installing 10" chilled water mains in crawl space beneath Owre.
3. Completed installation of recovery pump P-9.
4. Completed installation of ch. water pump P-5.
5. Completed installation and piping of unit 5100 first floor S.E. Tower.
6. Installing ch. water pump P-4 in sub-basement of S.W. Tower.
7. Moved steam riser in Room 218, Millard.
8. Installing all trim and associated piping on all units S.E. Tower. Also patching pipe penetrations all units.

NEW BUSINESS - Hayes Cont. would like all equipment on the job to have final inspections by U of M.

II. PROGRESS OF WORK

F. Honeywell

1. Mounted all stats with exception of the corridor because ceiling is not in on third floor.
2. Pan air lines for VAV boxes on fourth floor Millard S.E. corner.
3. Working on smoke dampers and exhaust fan control on S.E. Tower fourth floor.
4. Unit 102 is completed.
5. Pan air lines and hooked up radiation on second floor Millard.

G. Commonwealth Electric

1. Working on fire alarm system.
2. Doing finish work on first floor Millard.
3. Doing finish work on first floor Owre.
4. Working on wiring for motor starters and disconnects in Room 560, Millard.
5. Working on demolition with Kraus-Anderson.
6. Working with block layer with electrical in block.

III. GENERAL DISCUSSION * & NEW BUSINESS

A. Areas That Need Answers Or Schedules

Basement

1. Need outage to move steam lines and doing mod. 96A at exitway, Jackson N.W. Court.
2. Jackson 76, waiting for Jackson 88 to be accepted. 5 punch list items.
3. Jackson 72 & west exit - block work complete, plasterer to start this week.
4. Owre 2 - waiting on wide counter tops.
Owre 6 - counter tops in and painter has primed.
5. Millard stair J - need schedule for two door openings, 16 & 17 and north opening Room A-15.

III. GENERAL DISCUSSION & NEW BUSINESS

A. Areas That Need Answers Or Schedules

Basement (continued)

6. Millard stair G & exit to N.E. Court need schedule.
7. Millard 21-22, waiting on move from Millard 2 & 3 to get casework, may also need some casework from M 24.
8. Millard 2 & 3, schedule - start work this week.
9. Millard 24 - next phase but need existing casework from this area.

First Floor

10. Jackson 174.3, we want to start work in this area immediately allowing owner to use Jackson 174.2.
11. J.O. at S.W. Tower, we want to start this work as well as the areas on 2 & 4 as soon as possible. Need schedule.
12. Owre Lobby - tearing down of temporary partition to start this week.
13. Owre first floor - need existing casework, 12 pieces. Counter tops still haven't arrived.
14. Millard S.E. corner M 116, will start ceiling next.
15. Millard 118-123 missing wide counter tops.
16. Need above ceiling inspection for complete first floor Owre & Millard.
17. Millard 1.15.1 - electric closet need door and frame.

Second Floor - Owre

1. Need existing casework - 12 pieces
2. Punch list can start next week, hopefully.

Fourth Floor - Owre

1. Working on casework. Need some existing casework.

III. GENERAL DISCUSSION & NEW BUSINESS

B. Haldeman Homme

Existing Casework That Is Needed

Room - Millard

111.2 Sink cut-out too large - Top ledge too narrow
113.1 Short one base cab
113 Sink cut-out too large - Old fume hood too high
117 No tops
125 Room not ready - Need old tops
122 No island tops
118.1 No island tops - South wall not ready for tops
218 Area starting to sheet rock. Second Floor.

Room - Owre

118 No tops
136 Need old cab - have tops
136.2 Need tops
136.4 Need top for hood cab
136.6 Need top for hood cab
242 Need top for hood cab - Need old cab
242.1 Need tops plus old cab
210.8 Need old cab - Have tops
221.1 Need old cab - Have tops
54.1 Need 1 upper cab
54.2 Need 3 new base cab

Fourth Floor - Proceeding with demo - Need many old cab

III. GENERAL DISCUSSION & NEW BUSINESS

B. Haldeman Homme

Existing Casework That Is Needed (continued)

<u>Room</u>	
435 - 13/32	Gen - Remove top and separate old cab
439 - 45/32	Need old cab
- 47/32	Need old cab
448 - 40-41/32	Need old cab - Remove old top
452 - 35/32	Need 2 #50 cab
454 - 28/32	Need old cab
456 - 30-31/32	Pipe in way - Does it stay?
465 - 23/32	Need old cab - Shows no radiation - Will this be removed?
411 - 58-59-60/32	Need old cab
405.2	I-443 stainless steel sink 104"
405	Need old cab - 3 40A base
436 - 40/32	Location of hood?
437 - 50/32	Need old cab
438 - 52/32	Need 2 #49 upper

C. O'Brien Sheet Metals need M-24 which is their last area. This is in the next phase.

D. Haldeman Homme's access panel on fume hood, third floor, must be acceptable to University.

Environmental Health - silicone sealant will be used on the duct work at vents.

E. Need deionized water on third floor. Jim (Lamb Plumbing) will work on this. There is work on sinks in O 364 & O 352 still holding up owner's use.

F. Toilet rooms still have some questions on handicapped stalls. University needs the toilet, K/A will finish up the toilets so they may be used.

III. GENERAL DISCUSSION & NEW BUSINESS (continued)

- G. Door handle breakage must be discussed with architect and Bredemus Hardware.
- H. Fume Hood - 150 CFM exhaust required. Why can't this be attained?

Next meeting is on February 20, 1979, 1:30 p.m. at jobsite.

KRAUS · ANDERSON of MPLS, Inc.
CONTRACTORS & CONSTRUCTION MANAGERS

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB NO.150

JOB PROGRESS MEETING NO. 38
TUESDAY, FEBRUARY 20, 1979

FEB 26 Rec'd

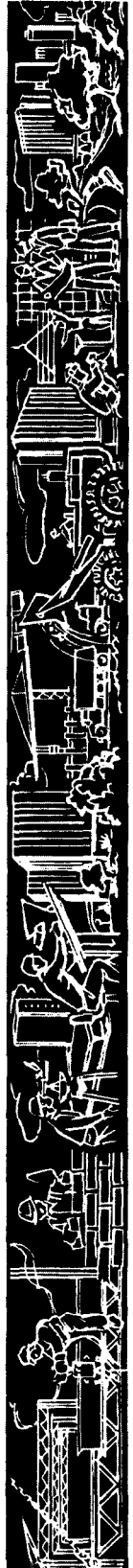
UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

ATTENDANCE:

Kraus-Anderson	Commonwealth Electric
Arne Nordli	Mike Rickard
Dave Bernig	J. B. Nelson
University of Minnesota	Don Froom
Tom Kyle (HSPO)	Honeywell
Steve Fredell	Ken Krogh
A. W. Johnson	Hayes Contractors
Gordon Lindholm	Charles Critze
Ray Anderson	Lamb Plumbing
H.S.A.E.	Jim Kehoe
Bruce Johnson	U of M Anatomy
Haldeman Homme	G. Herbst
W. J. Homme	U of M Biochemistry
	Jerry Bratt

I REVIEW OF MINUTES OF MEETING NO. 37

1. Haldeman Homme's casework for complete job has two pieces missing.
2. J 297 and 298. Bruce Johnson working something out on sinks now in place.
3. We are still waiting on telephone line installation before ceilings can be installed.
4. Haldeman Homme's casework hardware for 3rd floor Owre has not been resolved by Bill Homme.
5. Need schedules as described in general discussion.
6. Third floor Owre deionized water to all laboratories to be completed this week.



I REVIEW OF MINUTES OF MEETING NO. 38 (Cont'd)

7. Handicapped stalls in toilet rooms Owre need questions answered on door swing and hardware to be used.
8. Door handle hardware being worked on by Suswin Hardware representative.

II PROGRESS OF WORK

A. General Work Update

1. Generally punching 1st and 2nd floor area out.
2. Owre 242 setting casework but missing 1 piece in 242.1.
3. Room 210.8 missing two upper existing cabinets.
4. 4th Owre - missing casework, need fume hood information.
5. Removal of casework - needs electrical and gas vacuum lines removed, but does not show on mechanical and electrical drawings.

B. Haldeman-Homme

1. Completed installing counter tops basement.
2. Will complete first floor tops Wednesday.
3. Sizing punch list items and install existing casework as it becomes available.

C. O'BRIEN SHEET METAL (2 men)

Working on first floor Jackson Dean's office hanging duct.

Fume hoods on second floor are complete with gauges and filters.

Fume hoods on first floor not ready except for Room 122 Millard and 136 Owre, 111 Owre.

Will start cutting down hood for 113 Owre.

D. HONEYWELL

Completed mounting thermostats on 3rd floor.

Mounted stats on 2nd floor in rooms that were finished.

Completed smoke dampers and exhaust dampers in 4th floor Southeast tower.

II PROGRESS OF WORK

D. HONEYWELL

Mounting controls and piping same on fan unit S-100.

Running air lines for stats, radiators and V.A.V boxes second floor Millard.

Mounting controls and piping for convertor and pumps southwest tower.

F. LAMB PLUMBING (6 plumbers)

1. Completed repiping of services in 405.2 glass washer room.
2. Have completed about 95% of roughin and have done some finishing as far as we can go on 4th floor Owre.
3. We have done punch list for 3rd floor corridors.
4. We have turned dist. water on for 3rd floor labs, but still need it in Labs 306 and 307.
5. We have turned on services of H & CW for 2nd floor Owre. Cleaned all the Lab fixtures and had it punched out by Roy Anderson.
6. Working on the punch list in 2nd floor Owre corridor today.
7. We have completed fume hood piping in Room 125 and also lab sinks in this area and emergency shower.
8. Completed hookup to dist. water faucets in lab room #136.
9. Connected some lab sinks where counter tops are in in Room 113.4.
10. Reconnected all services and reinstalled all sinks for K. A. in Room 467 Lyon Lab.
11. Extended services into Room 125.2 for cold room facilities.

New Business

Owre 113

Need fume hood (relocated) in Room 113 cut down so it can be hooked up. Question - Cup sinks are gone, almost all of the trim is gone, and we are only supposed to connect to existing trim that doesn't exist anymore.

We need some advice on 4th floor for items not shown on drawings.

II PROGRESS OF WORK

G. COMMONWEALTH ELECTRIC

Electrical

1. Working on rough-in second floor Millard.
2. Finishing on 2nd floor Owre and doing punch list items.
3. Doing finish work 1st floor Owre. With exception of two small rooms, ceiling work is done.
4. Working on variable freq. drive units basement of B.C. for chilled water pumps.
5. Finished wiring motor starters and disconnects in Room 560 Millard.
6. Working with K/A on demolition 1st floor Jackson-Owre.
7. Working with block layer with electrical in block.
8. Working on fire alarm system.

H. GENERAL DISCUSSION AND NEW BUSINESS

1. Owre 310, suite of three rooms, ready for punch outs.
2. Third floor Owre - heating cannot be controlled.
3. Corridor on 1st and 2nd floor Millard. Review access panels required above ceiling at fire riser, stair "J".
4. Owre 117: Answer have space east and west side.
5. Owre 125: Need existing casework.
6. Owre 111: Three overcut sink openings.
7. Jackson 174 North: need schedule
8. Women's Toilet 2nd floor - check closure.
9. Owre 113 Fume Hoods - cup sinks missing plus some other parts.
10. Owre 210 and 242: Owners would like to move in tomorrow.
11. Owre 238 and 239 Office - owner would like to have these rooms.
12. Lamb Heating needs approval of Mod. 96A.

II PROGRESS OF WORK

H. GENERAL DISCUSSION AND NEW BUSINESS

13. Owre B-10 need radiation cover not shown on plan. Try to use some existing cover.
14. Soldering of vents in stainless steel fume hoods 3rd floor will take place tomorrow at 3:00 P.M.
15. Corridors of occupied areas must be kept clear of materials and worker's tools and chests.

Nest meeting - March 6 at 1:30 P.M.

Tom Kyle

JOML - Const. File

KRAUS · ANDERSON of MPLS, Inc.
CONTRACTORS & CONSTRUCTION MANAGERS

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB #150

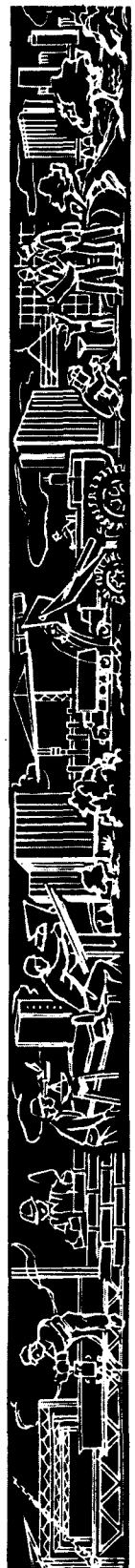
JOB PROGRESS MEETING #39
TUESDAY, MARCH 6, 1979

ATTENDANCE:

Kraus-Anderson
Arne Nordli
Dave Bernig
University of Minnesota
A. W. Johnson
Roy Anderson
Tom Kyle (HSPO)
Gerald Bratt (Biochemistry)
G. F. Lindholm (Phy Plant)
G. H. Herbst (Anatomy)
Jim Burk (Pharmacology)
Hauenstein & Burmeister
David Naugle

H.S.A.E.
Bruce Johnson
Commonwealth Electric
Mike Rickard
J. Iversen
Lamb Plumbing
Jim Kehoe
Lamb - Obrien
Tim Loth
Honeywell
Ken Krogh
Haldeman-Homme
Bill Homme

MAR 13 1979
UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE



I REVIEW OF MINUTES OF MEETING NO. 38

1. Haldeman Homme missing two S. S. countertops, all casework on job.
2. Durcon sinks with drainboards for J 297 and 298. Architect is asking credit for not furnishing as specified. Lamb states no credit can be allowed.
3. The situation on telephone lines in 3rd floor ceiling trays is the same as the last six weeks and the metal ceilings cannot be installed.
4. Third floor Owre - casework hardware still not resolved by Haldeman Homme.
5. Toilet partition questions on handicapped features not answered.
6. Fourth floor Owre - Gordon Dahlen wrote a letter describing work to be done. Remaining question is how to treat fume hood under concrete beam. Can the base of fume hood be removed.



II PROGRESS OF WORK

A. General Work Update

1. Completing 1st floor "JO" 158.
2. 1st floor Owre will be ready for punching out next week.
3. 2nd floor Millard, ready for ceiling grids.
4. Setting frames at stair enclosures.

B. Haldeman Homme

1. Completed all casework that we can set and finishing punch lists.

C. O'Brien Sheet Metal

0 men.

First floor Owre and Millard punch list is complete.

Second floor southeast tower equipment is running.

Fifth floor fan room. FE 141 fan is in shop and will be installed ASAP for operation of hood in Room 113 Owre.

Southwest tower - fan GE 125 is hanging in place.

D. Lamb Plumbing

3 men.

Completed rough-in 2nd floor Millard,

Made tie-ins to deionized water for rooms on 3rd floor Owre,

Piped over to mains (existing) on 3rd floor Millard and 3rd floor Jackson to prepare for tie-ins to deionized system,

Completed trim on janitor's closet on 2nd floor Millard.

Completed above ceiling punch list and valve tag list for 1st floor Millard and 1st floor Owre.

Moved our glass beading equipment and other material out of 1st floor Owre and down to room in basement.

Completed fixtures in Room 117, first floor Owre,

Working in Room 2, basement Owre, on finishing and trim,

II PROGRESS OF WORK (CONT'd)

E. Lamb Heating

1. Two pipe fitters - cleaning, testing and completing punch list.
2. Completed installation of pne. valves 1st, 2nd and 4th floor J/Owre.
3. One millwright on the job aligning couplings on all pumps P-1 through P-10.

F. Honeywell

JOML

Finished piping convertor in southwest tower. Mounted and piped smoke dampers and exhaust dampers in southwest tower.

Ran air lines 2nd floor, Millard. Mounted controls, ran piping for Unit S-100. Piped controls in panel.

Installed thermostats 1st floor, Millard, and 2nd floor, Owre.

Roughing in stats 1st floor Millard.

Roughed in stats and ran piping 1st floor Jackson Owre.

G. Commonwealth Electric

1. Finished rough-in 2nd floor Millard.
2. Finished lighting in corridor 3 - 12 Millard stairway.
3. Finished lighting in corridors 3-01 and 3-20 Jackson.
4. Working on vari. drive units in basement B.C., southeast and southwest towers.
5. Working on fire alarm system.
6. Finished 1st floor Millard Rooms 118 through 123 with the exception of Room 121.2 (waiting an answer on wiremold on north wall).
7. Working with block layer with electrical in block.
8. Completed punch list in ceiling 1st floor Owre and 1st floor Millard.

II PROGRESS OF WORK (CONT'd)

H. General Discussion & New Business

1. Owner wants to go through punch list with Haldeman Homme for 3rd floor Owre.
2. B. C. area - Motors for chilled water pumps are 100 H.P., called for 60 H.P. Who authorized this?
3. Need schedules - JO 2nd and 4th floor @ southwest tower. J 174 N & S work to start a week from next Monday.
4. J 297 - Microscopes that were stolen last week. There is a question on whether the lock was working and if the contractor has any liability.
5. Storage areas are needed for many of the subcontractors. Electrical fixture and metal ceiling materials are a problem.
6. There are a lot of modifications that have been approved that should be made into change orders and passed on to the contractor.
7. Formica material shipments are:
 - a. 4 X 8 today
 - b. 4 X 10 next week
 - c. 5 X 10 3-27-79

Casework in 2nd floor southeast Millard should be set next week or the following week. Casework tops must be measured up immediately and fabricated from 4 X 8 formica.

8. Owner wants the following rooms: "O" 6, "O" - 238, "O" - 239 and J -72. Try to get these areas by end of next week.
9. Electric cord pull down, some 28, have been sent back to factory for reworking.

Next meeting will be Wednesday, March 20, 1979, at 1:30 P. M.

KRAUS · ANDERSON of MPLS, Inc.

CONTRACTORS & CONSTRUCTION MANAGERS



JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB #150

JOB PROGRESS MEETING #40
TUESDAY, MARCH 20, 1979

MAR 22 1979
UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

ATTENDANCE:

Kraus-Anderson

Arne Nordli

Dave Bernig

University of Minnesota

Gordon Herbst (Anatomy)

Jerry Bratt (Biochemistry)

Gordon Lindholm (Phy Plant)

Steve Fredell

Muriel Lubansky

Roy Anderson

A. W. Johnson

Gordon Dahlen

Tom Kyle

Jim Burk

Commonwealth Electric

Mike Rickard

Hayes Contractors

Tim Loth

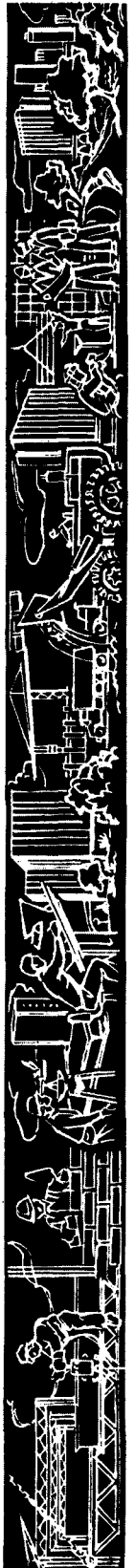
H.S.A.E.

Bill Poppert

Bruce Johnson

I REVIEW OF MINUTES OF MEETING #39

1. Haldeman Homme is missing two upper sections of new casework M-122. Also, missing two S. S. countertops.
2. Metal ceilings are starting to be installed, i.e., finished metal pans, after telephone lines are installed in trays above ceiling.
3. Third floor casework hardware not corrected.
4. Handicapped feature for toilet partitions still not resolved.
5. Obrien Sheet Metal not complete above ceiling first floor, S. E. Millard.
6. Electrical contractor will go ahead with rewiring for 100 HP motors for B. C. area under a modification.
7. Schedule for JO 2nd and 4th is for 1st week in April.



II PROGRESS OF WORK (Cont'd)

A. General Work Update

1. Demolition of steps and walls J174.
2. HM for MIS and 16.
3. Jackson basement corridor - doing terrazzo .
4. Second floor Millard ceiling frame is in on east side of corridor. Also all casework set except 4-5 pcs of existing casework, but all tops are ordered. Plumber waiting on outage to remove pipe stick up from floor.
5. No activity 4th floor Owre.

B. Haldeman Homme

1. Completed base cabinets Millard 1st floor.

C. O'Brien Sheet Metal

2 men.

1. 5th - installing FC 141.
2. 2nd - installing diffusers 2nd floor Millard.
3. 1st - Doing punch list 1st floor Owre.

D. Honeywell

1. Install thermostats 1st and 3rd floors Millard, 2nd floor Owre.
2. Pipe pne. to reheat convertors SE and SW towers.
3. Hookup U.A.V. boxes 1st floor Owre.

E. Lamb Plumbing

2 men.

Piped up glass waste piping in basement Millard ceiling for services on 1st floor Millard.

Did punch list items on 1st floor Millard. All services except vac. are activated in this area.

Completed piping on relocated fume hood and stainless steel sink in Owre - Room 113.

II PROGRESS OF WORK (Cont'd)

E. Lamb Plumbing (Cont'd)

Completed piping to stainless steel sinks in Rooms 352 Owre and 364 Owre which are glass washing rooms. Have a request in for tie-in of deionized water to serve these areas.

Completed tie-in of services. H-C W, air vac and gas in Room 116 Millard, which was rerouted for ductwork from tower.

Piped services to relocated fume hood on 2nd floor Millard.

Completed installing sink and services in island casework in Owre 242. Only have piping in Reagent Rack to do as it's completed. Also connected dishwasher under countertop in this area.

We have moved down to 1st Owre. Working on punch list and installing a S. S. sink in Room 111.1 that was held up for countertop.

F. Lamb Heating

2 men

1. Install pne. valves in pinned tube rad. 2nd floor Lyons Lab.
2. Install pinned tube rad and slant top cover, corr. B-10 Millard.
3. Fill reheat system SE tower.

G. Commonwealth Electric

1. Working on Vari. Drive Units in Southeast and Southwest towers.
2. Finishing up 1st floor Owre, the rooms that can be completed.
3. Installing fixtures 2nd floor Millard.
4. Installing electrical in block with blocklayer.
5. Working with K/A on demolition.
6. Installed disconnects and wiring for fume hoods and exhaust fans for 1st floor Owre on the 5th floor of Owre.
7. Working on fire alarm system.
8. Worked on Room 2, waiting on counter top and fume hood to be installed.

II PROGRESS OF WORK (Cont'd)

H. General Discussion & New Business

1. Waiting on countertop Room 2 Owre and waiting for Pearson to cut in sink opening Room 6 Owre. Waiting on 5 pcs of casework for M21 and 22.
2. 1st Floor Owre ready for punching except hardware and final clean.
3. Waiting on modification for M-116 and casework for O-125 and 136. Waiting on modification JO 158.
4. PUNCH list items for mechanical are not being completed and some items (Honeywell removable key thermostats) that are not approved have not been changed.
5. 3rd floor fume hoods run only at one speed.
6. Lights for air flow are not working. (Haldemann Homme.)
7. Southeast tower sound is disturbing adjacent rooms.
8. Stainless steel sinks have some sharp edges underneath that are cutting hand. Each sink should be checked by Haldeman Homme and edges corrected.
9. Plant service need maintenance and operating (M & O) manuals from mechanical and electrical contractors. All equipment from General needs M & O manuals.
10. Hauserman must move door on 4th floor Owre to allow fume hood to be set. Ceiling grids in two rooms could be set.
11. Corridor of 4th floor Owre (Jackson to Millard) must have new grid. This was ruined by mechanical, electrical, Poppenberger and Kraus-Anderson. Cost to replace should be shared by the 4 parties.
12. East wall 136.4 Owre: The casework is to be eliminated.
13. Ceiling tile 3rd floor Owre have three rooms that have damaged (water stain) ceiling tile.
14. Written reply that punch list has been taken care of has not been given to Gordon Dahlen except to reply by Tim Loth.
15. Scheduling meeting for 8:00 A.M. Monday, March 26, 1979, should be attended by Lamb and Commonwealth to determine extent of remaining work. Memo from Gordon Dahlen states Millard 130

JOML COMPLEX UPDATE MEETING
MARCH 20, 1979
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II PROGRESS OF WORK (Cont'd)

H. General Discussion & New Business (Cont'd)

must be done in a phase after Millard 24, which is directly below, is complete. We cannot wait this long for the existing casework that comes out of M130 plus mechanical must work both rooms at the same time.

Next meeting will be Tuesday April 3, 1979, at 1:30 P. M.

KRAUS · ANDERSON of MPLS, Inc.
CONTRACTORS & CONSTRUCTION MANAGERS

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB #150

JOB PROGRESS MEETING #41

ATTENDANCE:

Kraus-Anderson
Arne Nordli
Dave Bernig
University of Minnesota
Gordon Herbst (Anatomy)
Jerry Bratt (Biochemistry)
Gordon Lindholm (Phy Plant)
Steve Fredell
Muriel Lubansky
Roy Anderson
Gordon Dahlen
Tom Kyle

Commonwealth Electric
Mike Rickard
Jack Iverson
Karl Bangston
Hayes Contractors
Jim Kehoe
J. B. Nelson
Don Froom
Haldeman Homme
Darrell Turnock

APR 6 rec'd
UNIV. OF MINN.
HEALTH & SCIENCE
PLANNING OFFICE



I REVIEW OF MINUTES OF MEETING #40

1. Third Floor Casework hardware that is missing should be ordered immediately. Information needed on existing casework should be got immediately.

II PROGRESS OF WORK

A. General Work Update

1. First Floor Jackson - applying hardware to fire doors.
2. Basement Millard - removed some existing casework.
3. Plasterer working 1st and 2nd floor Jackson corridors.
4. Second Floor Millard S.E. - should be ready in two weeks if electricians get their work done.

B. Haldeman Homme

1. Working in M213, ready for plumber in a few days.
2. Will start 4th Owre this week.
3. Finishing up punch list.



II PROGRESS OF WORK (CONT'd)

C. O'Brien Sheet Metal

1. Nobody on job. Will come back when north Millard starts.

D. Honeywell

1. No report.

E. Lamb Plumbing

Completed fixtures and trim in 242 Owre with exception of deionized water on dishwasher.

Completed tie-in of deionized water line in Room 352 Jackson-Owre.

Completed fixtures in Room 113 Owre after countertop was completed.

Worked on punch list for 1st floor Owre.

Completed fixtures in Room 6 in basement Owre and Part of Room 2. Waiting for fume hood in this room to complete.

Removed all piping in floor of Rooms 212, 212.1, and 212.2. This was services stubbed up through floor.

Working in crawl space of Owre and Millard tying stacks into main sewers.

Changing flushing rim sink in Room 88 Jackson to replace defective one.

F. Lamb Heating

Charlie's on job. Keeping up with progress of job.

G. Commonwealth Electric

Keeping up with the progress of the job. Hanging lights Second Floor Millard. There should be 6 electricians on the job Thursday.

H. General Discussion & New Business

1. O'Brien is off of job, but there are a number of punch list items that aren't completed. O'Brien's foreman should be at meetings.

II PROGRESS OF WORK (CONT'd)

H. General Discussion & New Business (Cont'd)

2. Haldeman Homme needs all existing casework to finish their work.
3. Owner needs Millard, Second Floor, southeast corner office area by April 15, 1979.

4. A. Basement

Owre 2 - need fume hood countertop. (H & II)

Owre 6 - complete ? punchout if done.

M-17 - Toilet needs schedule.

Stair G & N. E. Court Entry - work scheduled.

Millard 21 - Need existing casework substitutions.

Millard 22 - Need 1 pc of existing casework.

Millard 2 & 24 - Waiting for area.

B. First Floor

Jackson 176 - 178: University must remove ductwork in duct space at corridor.

Jackson-Owre 158: Working on drywall - need electrician.

Millard 116 (S.E.): Can we start ceiling? Sheet metal work is needed.

Owre 125: Haldeman Homme can start.

Millard 124, 126 and 128: Need schedule.

Millard North: Are any areas not available for us?

C. Second Floor

Jackson-Owre 250: Need schedule to block windows.

Owre 239 and 238: University will do electrical work remaining.

Millard 212: Need countertop N.E. corner.

Millard 212.1: Need riser on south wall moved.

Millard 224: Need schedule to install door and frame.

II PROGRESS OF WORK (Cont'd)

H. General Discussion & New Business (Cont'd)

4. D. Fourth Floor

Owre needs electricians for Rooms 401 and 401.1 through 401.4 and 403. Areas are ready to turn over if electrical was complete north of corridor. Some existing casework moved into area, but some still missing. Homer to start this week. Some casework substitutes needed.

Millard Metal Shop 458: Ready for punch.

Millard Room 461 needed next.

5. A. There are four areas where telephone work is needed. Electrical by University, Plywood by Kraus-Anderson.
 - B. Workers in existing laboratory shouldn't be smoking in these areas.
 - C. There could be a claim forthcoming on theft of microscope from Room J-297. The lock was found to be faulty after loss was discovered.
6. Fire alarm system for building is not complete, but all areas occupied are live. Could these live areas be tied into the computer? If some alarms are not operable, the alarm should be taped to read NOT USABLE.

Next meeting is April 17, 1979 at 1:30 P. M. at jobsite.

KRAUS-ANDERSON of MPLS, Inc.

CONTRACTORS & CONSTRUCTION MANAGERS



JOMI COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB #150

JOB PROGRESS MEETING #44
TUESDAY, MAY 15, 1979

ATTENDANCE:

Kraus-Anderson

Arne Nordli

Dave Bernig

University of Minnesota

Roy Anderson

Jack Geretz

Gordon Dahlen

Steve Fredell

Gordon Lindholm (PHY PL)

Gerald T. Bratt (Biochemistry)

Tom Kyle (HSPO)

Gordon Herbst (Anatomy)

Jim Burk (Pharmacology)

Lamb Plumbing

Jim Kehoe

Honeywell

Ken Krogh

H.S.A.E.

Bruce Johnson

CECO

Mike Rickard

K. Bengtson

J. B. Nelson

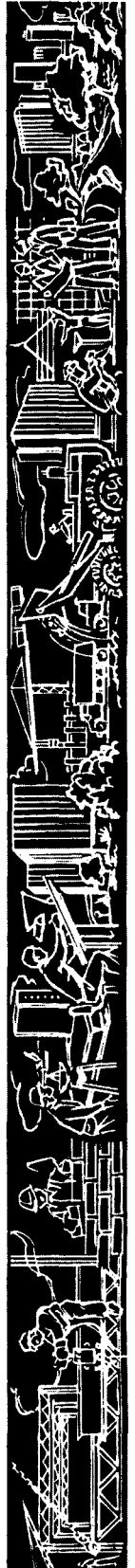
Don Froom

Hayes Contractors

Tim Loth

I REVIEW OF MINUTES OF MEETING #43

1. Haldeman Homme's casework hardware has been ordered, but is not jobsite.
2. M-17 plumbing outage scheduled for this coming Thursday.
3. Third Floor, 352 Owre Pegboard. Haldeman Homme has been given instructions to finish the backs, but they are not going to proceed because they feel this is an extra.
4. Chilled water cannot be started due to pump motor difficulty. Mechanical Engineer is looking into it. This is substantially complete, but the University still feels the contractor is responsible. Therefore, Commonwealth will hold the fuses till the University wants to take over the system.



I REVIEW OF MINUTES OF MEETING #43 (CONT'd)

5. Givens from Best Hardware modified the cam on cylinders. Waiting on University for approval on modification. Five (5) cylinders have been done by Givens.

Mortised Lock (Levers) sent by Bredemus has been disapproved. Bredemus has reordered. Dick Bredemus will be at next meeting.

6. Status of Casework - Owre 54.3 - 3 pieces missing and sink missing from M118.
7. Owre 458 shop - Owner will have tenants move so contractor can have "O" 461.
8. 4th Floor Owre - Plumber will finish this week, followed by the painter. This area must be turned over to the owner this Friday.

II PROGRESS OF WORK

A. General Work Update

1. Demolition near complete basement and 1st floor Millard N.E.
2. Poured step at exit to N.E. Court.
3. Plasterers on 1st Floor and basement Millard North.
4. Setting door frames.
5. Modification 72 wasn't done previously. Work started this date. Owner desires acoustical tile to be installed down from ceiling 3' or so around periphery of room.

B. Haideman Homme

1. Caught up to date, but missing new casework mentioned previously.

C. O'Brien Sheet Metal

1. No one on job. Waiting on pipes to be removed M130 by University.

D. Honeywell, Inc.

Completed hooking up exhaust systems as far as we could go,
Roughed in thermostats basement Millard.

II PROGRESS OF WORK (CONT'd)

D. Honeywell, Inc. (Cont'd)

Put differential pressure controls for cooling into operation and set up.

Control wiring complete as far as possible at this time.

E. Lamb Plumbing

4 men.

Working on finishing on 4th Owre. We are about 90% done.

Working on demolition in basement and 1st floor Millard and 2nd floor Lyon.

Plan to start core drilling in demolition area, Room 130, 1st Floor Millard tomorrow.

F. Lamb Heating

1. Heating is caught up. No men on job.

G. Commonwealth Electric

1. Working on fire alarm system.

2. Working on 4th floor Owre.

3. Completed punch list items on above ceilings in Rooms 218 through 221, 2 and 206, 207.

4. Working on lighting in Room 456.

5. Started all chilled water pumps.

6. Working with Kraus-Anderson on demolition in basement and 1st floor Millard.

7. Working with block layer with electrical in block.

H. General Discussion & New Business

1. Room M118 - 123. The occupant has a lot of problems. One is sharp edges on electrical receptacle plates.

2. Hardware on door is causing doors not to close. Have Bredemus get all hardware problems straightened out.

3. JO 454 - When electrical finishes and the door to Tower has all the problems solved, the tenant can move around May 28, 1979.

JOMI COMPLEX UPDATE MEETING
May 15, 1979
PAGE 4

II PROGRESS OF WORK (CONT'd)

H. General Discussion & New Business (Cont'd)

4. Reduction of retainer will be reviewed by Jack Geretz.

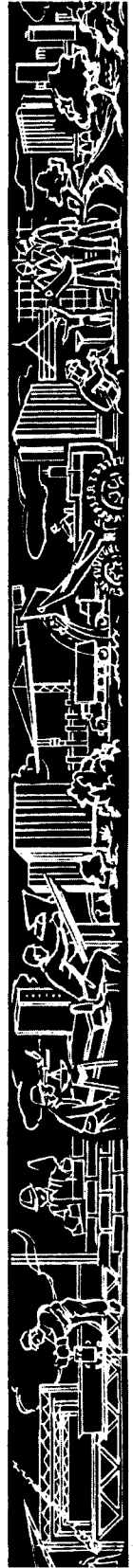
General will check on 73E Modification.

Next meeting is May 29, 1979 at 1:30 P.M. at the jobsite.

*W.D. Moroney - clear out
ways to be kept*

KRAUS-ANDERSON of MPLS, Inc.

CONTRACTORS & CONSTRUCTION MANAGERS



JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB #150

JOB PROGRESS MEETING #45
TUESDAY, MAY 29, 1979

MAY 30 Rec'd

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

ATTENDANCE:

Kraus-Anderson

Arne Nordli
Dave Berning

University of Minnesota

Jack Geretz
Gordon Dahlen
Tom Kyle (HSPO)
Gerald T. Bratt (Biochemistry)
A. W. Johnson
Roy Anderson

Lamb Plumbing

Jim Kehoe

Ceco

Mike Rickard

Honeywell

Ken Krogh

H.S.A.E.

Bruce Johnson

I REVIEW OF MINUTES OF MEETING #44

1. M-17 toilet area needs additional outage to remove heat risers in location of new door.
2. Haldeman Homme casework hardware still not on job.
3. Third floor Owre 352 pegboard finish still in question.
4. Chilled water pump motors - University is making arrangements to operate pumps manually until permanent controls are operable. Commonwealth to put fuses back and turn system over to the University.
5. Cylinders from Best Hardware (Givens) have not been accepted. Gordon Dahlen will need assistance with this.
6. Dick Bredemus of Bredemus Hardware must get mortised lock reordered and reinstalled. Many problems to be resolved by Bredemus.
7. J.O. 270 acoustical wainscot 4⁰ down from ceiling - price in to University.



I REVIEW OF MINUTES OF MEETING #44 (Cont'd)

8. Haldeman Homme missing casework is needed immediately.
9. JO456 electrical conduit at door to tower to be moved by physical plant.

II PROGRESS OF WORK

A. General Work Update

1. Demolition work in Millard basement and 1st floor north.
2. Working on doors and hardware 4th floor Owre.
3. Painter working on 4th floor Owre which is complete. M218 - finish area.

B. Haldeman Homme

1. Working on hoods throughout project.

C. O'Brien Sheet Metal

1. Working in M-24

Two men on job

D. Honeywell

1. Have been picking up loose ends all over building.
2. Changed thermostat covers and will be mounting thermostats that are ready. Also will be keeping up with remodeling.

E. Leab Plumbing

1. We have pretty much completed 4th floor Owre, except for some tie-ins of deionized water and room 405.2 which is the glass washer room. The walls should be painted before we move the equipment against them.
2. In 1st floor Millard we have been core drilling and should be completed with all of it on this floor today. We have been running waste and vent and water and gas in this area in rooms 130 and 131.
3. We removed the louvers off the wall in room 17, basement Millard toilet room, and I was told the University of Minnesota plumbers cut in some valves Friday so they could shut off the lines we need to remove for a new doorway.
4. We installed the two sinks in 2nd floor Millard 218 where the counter tops were wrong.

II PROGRESS OF WORK (Cont'd)

E. Lamb Plumbing (Cont'd)

5. We also completed setting sinks and piping services in room 21 for Laminar Flow Hoods. We will finish the sink in room 22 as soon as the counter top is fastened down.
6. We sent a truckload of material back from the courtyard and have cleaned up a bit. We still have some rubbish to remove.
7. We are also working on punch list items in room 2 Owre.

F. Lamb Heating

Not on job

G. Commonwealth Electric

1. Working on 4th floor Owre
2. Finished rooms 160 and 456 Jackson - Owre.
3. Working with K/A on demolition.
4. Working with block layer with electrical in block.
5. Working on room 270 Jackson - Owre.

H. General Discussion & New Business

1. A. Room JO 64.1 plumber must hook up sink.
B. University should move from J 75.1 so we can put in floor and paint.
C. Pipes to be removed by University in toilet M-17
D. Patch ceiling in corridor west of M-17 toilet by University.
E. Waiting for electrical conduit to be removed from floor Millard 24.
F. What to do with air conditioner switches on north wall Millard 24.
G. M 128 electrical conduit must be removed by University. This has been needed for four weeks.
H. Move air conditioner on south wall M-101; north wall M-136; M-131 fume hood to be moved by University.
I. M 132 - University to move pipe (heating) 4 vertical and 1 horizontal.
J. Jackson 270 electrical to move conduit. Need go ahead on acoustic ceiling.
K. M221.3 - need plumber to finish sinks so painter can Electro Static; M - 206 and 207 need plumber to finish resetting sink and table and fume hood.
L. Electrical conduit in floor at door to tower, leave ceiling out at tower entrance.
M. 4th floor J.O. stair - delete door opening possible.

II PROGRESS OF WORK (Cont'd)

II. General Discussion & New Business (Cont'd)

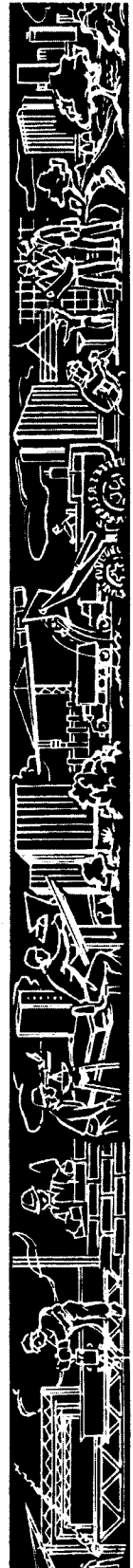
2. M -218, 221, 206, and 207 - need schedule of finish. June 15, 1979 hopefully. Room M 206 and 207 - plasterers have smeared the casework. This needs cleaning before turning back to University.
3. Air conditioning needed for all areas.
4. Millard 6 - should have this ready to turn over to University this week so we can get room M-124 from the University.

Next meeting is June 12, 1979 at 1:30 p.m. at the jobsite.

UNIV. OF MINN.
HEALTH SCIEN.
JUN 12 1979

KRAUS-ANDERSON of MPLS, Inc.

CONTRACTORS & CONSTRUCTION MANAGERS



JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB #150

JOB PROGRESS MEETING #46
TUESDAY, June 12, 1979

ATTENDANCE:

Kraus-Anderson

Arne Nordli
Dave Berning

University of Minnesota

Jim Burk
Muriel Lubansky (PHYSIOLOGY)
Gordon Herbst (ANATOMY)
Tom Kyle (HSPO)
Gerald T. Bratt (BIOCHEMISTRY)
Gordon Lindholm (PHY PL)
Roy Anderson
A. W. Johnson

H.S.A.E.

Bruce Johnson

Haldeman - Homme

Darrell Turnock

Lamb Plumbing

Jim Kehoe

Hayes Contractors

Tim Loth

Honeywell, Inc.

Ken Krogh

CECO

Mike Rickard

Jack Iversen

Julius B. Nelson

Don Froom

I REVIEW OF MINUTES OF MEETING #45

1. M-17 Toilet. Existing plumbing being removed. Electrical conduit must be removed by University.
2. Haldeman-Homme hardware for seven cabinets 3rd Floor enroute to be on job next week. Casework missing is enroute and will be installed next week.

Hardware for existing casework won't be here for 3 months.

3. Third Floor Owre 352 Pegboard furnished by Haldeman-Homme not acceptable by University.



I REVIEW OF MINUTES OF MEETING #45 (CONT'd)

4. Chilled water pump motors being operated by University, and they have accepted responsibility.
5. Hardware by Bredemus has been reviewed. See letter from Gordon Dahlen written last week on this subject.
6. "JO" 270 acoustical will be done as soon as plasterers return. The plasterers strike is over, and they should be back on job shortly.
7. Tom Kyle said J 496 fume hood does not work. Please have this checked by Haldeman-Homme and Commonwealth.
8. Lamb Plumbing waiting on University for connection for deionized water, Room 405.2.
9. Fourth Floor Owre has been punched out. Dedolph is occupying "O" 412. He must get out to allow contractor to finish painting and putting on base.
10. "JO" 64.1 will be left as is. J 75.1 still occupied by University. Millard basement and 1st, North area, 50 items to be removed by University. M-128 still has electrical conduit to be removed.
11. Fourth Floor - "JO" Stair Southwest, block in door.
12. M218 and 221 ready for punch out.
M206 and 207 - may have casework repainted by modification.
13. Millard 6 has been completed. University must move from Millard 124 to M-6 so we can have new area (M-124).

II PROGRESS OF WORK

A. General Work Update

1. Masonry work will finish complete on entire job in two days.
2. All other work will be caught up this week. We are waiting in all areas for University to do work before we can proceed.

B. Haldeman - Homme

Caught up. No men on job.

II PROGRESS OF WORK (CONT'D)

C. O'Brien Sheet Metal

2 men on job.

Will finish Second Floor M226. Then will go to JO 4th Floor at tower.

D. Honeywell

Roughed in stat and V.A.V. Box, 4th Floor, Jackson Owre.

Roughed in stats, 3rd Floor, Millard.

Roughed in for stat, 4th Floor, Millard.

Changed all thermostat covers and installed some additional stats.

Working on exhaust system in S. Basement S.W. Tower. Also, punch list items S.W. Tower.

E. Lamb Plumbing

3 men.

Installed 2 fire hose cabinets and hoses in hallway on 2nd Floor Millard.

Completed our work in Room 206 and 207 Millard.

Completed installation of floats in sump in basement, S.W. Tower, and connected discharge into sewer.

Completed all our work for finishing in Room 218 Series of Millard.

We have completed our work on 4th Floor Owre with exception of one stainless steel sink we are missing, which is on order, and one cup sink in a relocated fume hood that was missing; I now have a replacement for it. Also, we have some outage requests for the deionized water tie-ins on this floor.

We have been working on rough-in of waste and vent, waters, gas, air, and vac. on 1st Floor Millard.

We have pretty much completed everything for rough-in in Rooms 130, 131, 132, 135, 136, and we are working on waters in 136.1. The waste and vent are 90% complete in Room 101. These rooms are all 1st Floor Millard.

II PROGRESS OF WORK (CONT'D)

E. Lamb Plumbing (Cont'd)

The cup sink and faucet in Room 221.1 in 2nd Floor Owre has been done.

We are tearing out piping for new doorway into Room 17, Basement, Millard.

We have been working with University of Minnesota plumber removing and capping old services in the First Floor Millard, Remodel Area.

We cleaned up our mess and hauled away most of our material in the courtyard area.

F. Commonwealth Electric

1. Working on 1st and basement Millard.
2. Working on fire alarm system.
3. Working on punch list items.
4. Working in 342 Millard.
5. Working on 452 Jacks'n-Owre.
6. Working with Kraus-Anderson on demolition.

G. General Discussion & New Business

1. Millard 4th Floor North. There are 3 or 4 rooms that need schedule for new flooring and painting. Muriel to make schedule with Dave Berning.
2. University to get Carl Dedolph out of "O" 412 so General can finish his work.
3. Architect/Engineer - Obrien Sheet Metal to solve ventilation noises on 4th Floor Owre.
4. Millard 21 must be punched out so it can be turned over to owner. Also, M-218 and M-221.
5. "J" 270 needs plasterer and acoustic to complete Owre 2. Gordon Herbst wants area.
6. Architect asked if we had a demolition date. A. W. Johnson said that more answers are needed from his office.

JOML COMPLEX UPDATE MEETING
JUNE 12, 1979
PAGE FIVE

II PROGRESS OF WORK (CONT'd)

G. General Discussion & New Business

7. Due to all the delays by the University, it appears that the General Contractor will leave the job for at least three weeks allowing the University to complete their work and get out of the Contractor's way. There will be an extension of time required for this and past delays.

Next meeting will be June 26, 1979 at 1:30 P. M. at jobsite.

KRAUS · ANDERSON of MPLS, Inc.
CONTRACTORS & CONSTRUCTION MANAGERS.

JUN 26 Recd

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB #150

JOB PROGRESS MEETING #47
TUESDAY, JUNE 26, 1979

ATTENDANCE:

Kraus-Anderson

Arne J. Nordli
University of Minnesota
Steve Fredell
Gordon Dahlen
A. W. Johnson
Muriel Lubansky (Physiology)
Gordon Herbst (Anatomy)
Gerald T. Bratt (Biochemistry)
Tom Kyle (HSPO)
Gordon Lindholm (HSPP)

CECO

Jack Iversen
Mike Rickard
Honeywell
Ken Krogh
Dave Day
J. B. Nelson
Don Froom

I REVIEW OF MINUTES OF MEETING #46

1. M-17 Toilet. Existing plumbing and electrical conduit still must be removed.
2. Casework for "JO" basement has been received and was installed this date.
3. University is concerned about hardware for existing casework delivery. 3 months is too long.
4. Millard 4th Floor North. Schedule will be made by Muriel and Tom Kyle for new flooring and painting.

II PROGRESS OF WORK

A. General Work Update

All trades including casework will be caught up today and will not be on job till additional work is available.



II PROGRESS OF WORK (CONT'd)

B. Honeywell

Ran drain lines for air dryers in towers.

Installed proper humidistat covers.

Ran air lines for stairwell radiation - east side.

Roughing in controls for 1st Floor Millard.

C. Lamb Plumbing

No one in attendance.

D. Commonwealth Electric

1. Working on basement and 1st floor Millard.
2. Working on 1st floor Jackson, lighting and fire alarm.
3. Finished in Room 452 Jackson-Owre with lighting and fire alarm.
4. Working on punch list items.
5. Working on fire alarm system.

H. General Discussion & New Business

1. Steve Fredell wants outage on high voltage in Jackson. Fire alarm is being completed as electrician gets area. Should be ready in about one month.
2. Telephone company wants some metal ceiling removed so they can get their lines run above ceiling.
3. Commonwealth should locate the lighting in towers as directed by Gordon Lindholm. This note is to be a directive for Commonwealth to proceed with the work at Gordon Lindholm's direction. This is to be a no change memorandum.
4. Owre 412 - Switch plates haven't been put on and radiator covers have not been installed. Muriel wants Room "O" 412. Darkroom across the hole has been punched out, owner can have.

II PROGRESS OF WORK (CONT'D)

H. General Discussion & New Business (Cont'd)

5. Millard 411 - need an existing base cabinet for this area.
6. Owre 352 - Formica top to be replaced per punch list. Owre 218.1 shelf needed.
7. 4th Floor Owre - telephone conduit from panels to laboratories has been removed above ceilings. Steve Fredell stated that all rooms that call for telephones have lines run to those areas as called for by the contract drawings.
8. Cleanup of electrical and plumbing lines will start by Gordon Lindholm this Friday. Should be completed (59 items) in one - two weeks.
9. Review of punch list and completion of items should be taken up at the next meeting.
10. Jackson 270 needs vinyl base installed.
11. September 1, 1979 is considered the completion date if everything can proceed.
12. Formica tops are delaminating in certain areas. Haldeman Homme should replace or correct these items. Haldeman Homme should attend the next meeting.
13. Millard 21 - need water hookup and also need ventilation that won't be done till Millard 24 is done.
14. Millard 118 and 119 casework is missing. Haldeman Homme must find this. Stainless steel countertop is also missing.

Fume hood flow indicator bulbs are burnt out in most hoods.
15. Millard - 4th Floor where ductwork has been installed, the walls and casework should be replaced. There is some ductwork still to be installed.

Next meeting will be July 3, 1979 at 1:30 P. M. at jobsite.

KRAUS-ANDERSON of MPLS, Inc.

CONTRACTORS & CONSTRUCTION MANAGERS

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB NO. 150

JOB PROGRESS MEETING NO. 48
TUESDAY, JULY 10, 1979

ATTENDANCE:

Kraus-Anderson

Arne Nordli

Dave Berning

University of Minnesota

Gordon Dahlen

Jim Burck

Steve Fredell

Gerald T. Bratt (Biochemistry)

Gordon Herbst (Anatomy)

Gordon Lindholm (Phy P1)

Roy Anderson

Haldeman-Homme

Bill Homme

CECO

Karl Bengtson

Jack Iversen

Mike Rickard

Lamb Plumbing

Jim Kehoe

Hayes Contractors

Ray Anderson

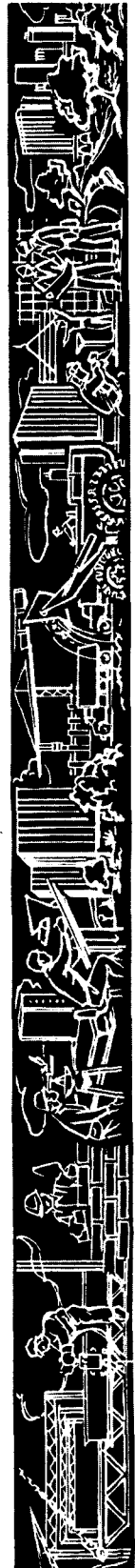
I REVIEW OF MINUTES OF MEETING #47

1. M-17 Toilet - electrical conduit not moved. Also, there is some plumbing to move.
2. Casework hardware for existing casework still two months off for delivery.
3. M 411 - need architect's assistance on finding base cabinet. "O" 352 - need formica top replacement. M 218.1 - need metal shelf.
4. Haldeman - Homme will review the formica tops that are delaminating.

II PROGRESS OF WORK

A. General Work Update

1. Work started up again on Monday, July 9, 1979.
2. Patching floors, cleaning up, and setting door frames. Poppenberger will start up again on Wednesday. Mason will return on Wednesday and finish his work if M-17 is ready for him.



II PROGRESS OF WORK (Cont'd)

A. General Work Update (Cont'd)

3. Dave Berning told everyone to get their material brought together and clean up areas in garage.

B. Honeywell

Roughed in and finished labs and office 251, 249, and 245.

Roughing in rooms first floor Millard - north.

Installed thermostats where painted.

C. Lamb Plumbing

2 men.

1. Completed D. W. system on first floor Millard and tested it hydrostatically at 95 pounds.
2. Completed layout of fixture locations for basement Millard and second floor Lyon Lab.
3. Have repaired numerous broken glass waste and vent piping on all floors.
4. Working in the basement Millard installing D. W. piping, glass waste vent, and water and gas piping.

D. Lamb Heating

Fitters are waiting on gypsum board work in Millard to finish their radiation.

E. Commonwealth Electric

1. Working on basement and first floor Millard.
2. Working on fire alarm system.
3. Working on punch list items.
4. Finished with first floor Jackson lighting and fire alarm.

II PROGRESS OF WORK (Cont'd)

F. General Discussion & New Business

1. M-24 - casework decision needed by Gordon Dahlen.
2. M-3 - leave grill in wall below ceiling. Is this approved by everyone. Architect and engineers must make decisions on this.
3. Pipe coverer is not getting punch lists.
4. Controlled air in towers is giving the plant service trouble. This could cause possible animal deaths. Hayes should investigate with Honeywell.
5. Millard Vault - filters are in according to sketch, but are not practical. Architect/Engineer should review and make necessary changes.
6. Millard 206 and 207 are needed by University. Jerry Brandt wants the metal casework painted before General turns these areas over.
7. Jackson 89 needs plumbing to complete. Gordon Herbst needs this area.
8. J 75A - owner will move out so contractor can get his work done.
9. Start-up has gone pretty good, but with Poppenberger starting on Wednesday, there may be a lot of questions.
10. Bredemus Hardware still has not resolved any of his problem. He must be informed to get his work done.

Next scheduled meeting next Tuesday, July 17, 1979, at 10:00 A. M. at jobsite.

KRAUS-ANDERSON of MPLS, Inc.
CONTRACTORS & CONSTRUCTION MANAGERS

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB #150

JOB PROGRESS MEETING #49
TUESDAY, JULY 17, 1979

ATTENDANCE:

Kraus-Anderson

Arne J. Nordli
Dean Winquist
Dave Berning

University of Minnesota

A. Walter Johnson
Jim Burck
Gordon Dahlen
Tom Kyle (HSPO)
Gordon Lindholm (Phy P1)
Muriel Lubansky (Physiology)
Gordon H. Herbst (Anatomy)
Gerald T. Bratt (Biochemistry)

J. B. Nelson

Don Froom

CECO

Mike Rickard

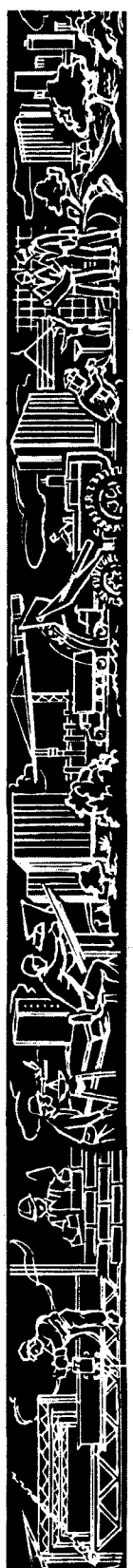
Hayes Contractors

Jim Kehoe

2-533
Unit "A"

I REVIEW OF MINUTES OF MEETING #48

1. M-17 plumbing items must be moved by Jim Kehoe.
- * 2. M-411 existing base cabinet need. Architect is reviewing.
3. Haldeman Homme must correct all faulty formica tops. Letter by Gordon Dahlen describes all areas that need correction.
4. Garage clean-up is mostly complete.
- * 5. M-3 Grille - decision coming from architect Johnson and Roy Anderson.
6. M206 and 207 - existing metal casework will cost \$2,000+ to finish; painter has enough credits due the University to take care of these. Painter was told to proceed. Jerry Brandt wants this by August 1, 1979.
7. Jackson 89 needs plumbing work to complete work. Gordon Dahlen to make schedule. J75A - eliminate all work.



I REVIEW OF MINUTES OF MEETING #48 (CONT'D)

8. Bredemus Hardware got his replacement hardware, but it was wrong. Therefore, reorder is needed again. Givens, from Best Hardware, is on job today replacing all cylinders under this contract.

II PROGRESS OF WORK

A. General Work Update

1. 4th Floor Owre - completing radiation covers.
2. Poppenberger is working Millard (North) 1st Floor and should complete drywall this week and taping is following. Plasterer to start this week.
3. Painter is on job with three painters.

B. Haldeman Homme

No one on job.

C. O'Brien Sheet Metal

No one on job.

D. Honeywell

On job working in basement Millard.

E. Lamb Plumbing

Working on plumbing Millard North basement.

F. Lamb Heating

No one on job.

G. Commonwealth Electric

1. Working on basement and 1st floor Millard.
2. Working on fire alarm system.
3. Working on punch list items.
4. Working on odds and ends on job.
5. We cleaned up courtyard and garage.

II PROGRESS OF WORK (CONT'D)

H. General Discussion & New Business

1. Booster heaters for glass washers haven't been hooked up yet on 3rd and 4th floor Owre. University wants these as soon as possible.
2. Millard basement needed by August 15, 1979 by University for classes.
3. Lamb Plumbing needs more manpower on job. This was brought up last week to Roy Anderson, who said additional people were forthcoming. Jim Kehoe got two men, but needs more.
4. Owre #1 piece of casework top still missing. Must be reordered from Hamilton factory.
5. M-418 - sink in room not described by Specification. University will accept 18" or larger width. There may be an extra durcon sink on job that may work.
6. Jim Kehoe's last day will be tomorrow.
7. Punch list completion will be completely reviewed by Dave Berning and signed and turned over to Gordon Tahlen.
8. Gordon Lindholm said the chilled water pump controllers must be checked by Louis Allis Manufacturing Company representative for proper operation.

Next scheduled meeting will be next week on July 24, 1979 at 1:30 P. M. at the jobsite.

KRAUS-ANDERSON of MPLS, Inc.

CONTRACTORS & CONSTRUCTION MANAGERS

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB #150

JOB PROGRESS MEETING #50
TUESDAY, JULY 24, 1979

ATTENDANCE:

Kraus-Anderson

Joe Gerleman

Dave Berning

J. B. Nelson

Don Froom

Lamb Plumbing & Heating

Scott Ciminski

H.S.A.E.

Bruce Johnson

University of Minnesota

A. Walter Johnson

Tom Kyle (HSPO)

Gordon Dahlen

Gordon Lindholm (Phy. Plant)

Jim Burck

Gordon Herbst (Anatomy)

Gerald T. Bratt (Biochemistry)

I REVIEW OF MINUTES OF MEETING #49

1. Haldeman Home must correct all faulty formica tops. Letter by Gordon Dahlen describes all areas that need correction.
2. Garage clean-up is mostly complete.
3. M-3 Grille - decision coming from Bruce Johnson and Roy Anderson.
4. Painter is proceeding with Millard 206 & 207.
5. Plumbing work for Jackson 89 not scheduled yet.
6. Bredemus Hardware has reordered door levers to arrive on August 10.
7. Booster heaters for glass washers on 3rd and 4th floor Owre are not hooked up. Location seems to be a problem.
8. Millard basement needed by August 15, 1979.
9. Piece of casework top for Owre - 1 still missing. It must be reordered from Hamilton Factory.
10. Millard 418 requires sink not described by Specifications. University will accept 18" or larger width. It is to be determined whether an extra durcon sink on job will work.
11. Punch lists are to be forwarded to Gordon Dahlen. (3 copies)



I REVIEW OF MINUTES OF MEETING #49 (CONT'D)

12. The chilled water pump controllers must be checked by Louis Allis Manufacturing Company representative for proper operation.

II PROGRESS OF WORK

A. Kraus-Anderson

1. Installed door frame in Millard 17.
2. Installed finish hardware on fire doors on Millard 1st, 2nd, and 3rd floors.
3. General clean-up.
4. Continued punch list for entire building.

B. Commonwealth Electric

1. Working on Millard - basement and 1st floor.
2. Working on Owre - 4th floor.
3. Working on fire alarm systems.
4. Installed lighting for Stair D.

C. J. B. Nelson

Two men on job.

D. Lamb Plumbing

1. Working on Millard basement.
2. Rough-in almost completed for Millard 23 and 24.

E. Honeywell

Working on Lyon 2nd floor and Jackson-Owre 2nd floor.

III NEW BUSINESS AND GENERAL DISCUSSION

1. Jim Burck - no water supply for Millard 21.
2. Gerald Bratt - Water damage on ceiling tile.
- Consult with him on installation of booster heaters.
3. Gordon Herbst - Floor in Room 88 is peeling.

III NEW BUSINESS AND GENERAL DISCUSSION (CONT'D)

4. Scott Ciminski - Stated that Lamb would be adding more men by end of the week.
5. Don Froom - May move supplies to east entry.
6. Gordon Lindholm - No hardware on door to Janitor's Closet (Room 225).
- Equipment rooms need lighting.
7. Tom Kyle - Re-emphasized problem of leaks in piping.
8. Dave Berning - Needs a final fixture schedule to proceed on Millard 17 (bathroom).
9. Third floor - Link door needs painting.
10. Millard 213 - Problems with control box.

Next scheduled meetings will be on August 7 and 21, 1979 at 1:30 p.m. in Room 2-533, Health Sciences Unit A.

KRAUS-ANDERSON of MPLS, Inc.

CONTRACTORS & CONSTRUCTION MANAGERS

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB #150

JOB PROGRESS MEETING #51
TUESDAY, AUGUST 7, 1979

AUG 9 Rec'd
UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE



ATTENDANCE:

Kraus-Anderson

Joe Gerleman
Dave Berning

J. B. Nelson
Don Froom

Commonwealth Electric

Jack Iversen
Mike Rickard

H.S.A.E.

Bruce Johnson

Uhl Co., Inc.

Tom Ammerman

Hayes Contractors

Ray Anderson

University of Minnesota

Joycene Maroney (HSPO)

Gordon Dahlen

Steve Fredell

Gordon Herbst (Anatomy)

Gerald Bratt (Biochemistry)

Jim Burck

Jack Geretz

Roy Anderson

Gordon Lindholm

Honeywell

Ken Krogh

Dave Day

Lamb Plumbing & Heating

Scott Ciminski

I. REVIEW OF MINUTES OF MEETING #50

1. M-3 Grille - Decision coming from Bruce Johnson and Roy Anderson.
2. Plumbing work for Jackson 89 not scheduled yet.
3. Uni-Strut with rubber strip will be used to support booster heaters for glass washers. Location has been resolved.
4. Casework for Owre-1 in transit.
5. Millard 418 - Sink needs to be selected.
6. Ceiling tile has water damage on 2nd and 3rd floors.
7. Dean Johnson of Sander & Co. will call Bruce Johnson to explain seamless flooring problem in Room S8. After coordinating work in area with Gordon Dahlen, he will solve the problem.
8. Millard 213 - Control box problem resolved.



II. PROGRESS OF WORK

A. Kraus-Anderson of Mpls., Inc.

1. Working on demolition - Lyon 262.
2. Setting casework - Basement and 1st floor Millard.
3. Plasterers working - 1st and basement Millard.
4. Patching floors - Basement Millard.
5. Working on punch lists.
6. Doing general cleanup

B. Commonwealth Electric

1. Working on 2nd floor Lyon (rough-in).
2. Working on Millard North Penthouse on fume hood exhaust and exhaust fan..
3. Working on punch list items.
4. Working on fire alarm system.

C. Honeywell

1. Completed rough-in of basement and 1st floor Millard.
2. Completed rough-in of 2nd floor Lyons.
3. Roughed crawl space, installed stats on painted surfaces.
4. Will be making final adjustment on fan units and complete other work when ready.

D. J. B. Nelson

1. Painting Millard 206 & 207.

E. Lamb Plumbing

1. Doing rough-in on Millard 3 (3 plumbers and foreman).

III. NEW BUSINESS & GENERAL DISCUSSION

1. Gerald Bratt - will move into Millard 206 and 207 next Monday.
- glass washer parts will be bid this week; 8 weeks until delivery.

III NEW BUSINESS & GENERAL DISCUSSION (CONT'D)

2. Roy Anderson - inquired about solution to leaking pipes.
 - Ray Anderson has hired an independent testing agency.
3. Gordon Dahlen - received approval from Gerald Bratt to core drill
4. Jim Burck - inquired about gas, air and vacuum in Millard 21.
 - reported noise problem on 4th floor Owre.
 - pipes to be worked on in Owre 430.
5. Dave Berning - inquired about demolition on 2nd floor Lyon; can start after moving into Rooms 101 and 136.
 - Fume hood from Lyon to Millard 3.
6. Gordon Herbst - Room 64, light switch location.
 - Room J-297, counter top and edge is delaminating.
 - Room 72 will be responsibility of U of M electrician.
 - inquired about laminar flow hood in Room 210 - Owre.

Next scheduled meeting will be on August 21, 1979 at 1:30 p.m. in Room 2-533, Health Sciences Unit A.

KRAUS-ANDERSON of MPLS, Inc.
CONTRACTORS & CONSTRUCTION MANAGERS

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB #150

JOB PROGRESS MEETING #52
TUESDAY, AUGUST 21, 1979

ATTENDANCE:

Kraus-Anderson of Mpls., Inc.

Joe Gerleman
Dave Berning
Hayes Contractors
Ray Anderson

Scott Ciminski
Commonwealth Electric
Mike Rickard
Karl Bengtson

University of Minnesota

Tom Kyle (HSPO)
Gordon Dahlen
Gordon Lindholm
Steve Fredell
Roy Anderson
Muriel Lubansky (Physiology)
Gordon Herbst (Anatomy)
J. B. Nelson
Don Froom

AUG 24 Rec'd

UNIV. OF MINN.
HEALTH SERVICES
PLANNING OFFICE

I. REVIEW OF MINUTES OF MEETING #51

1. M-3 Grille - after receiving price from O'Brien Sheet Metal, decision on whether to proceed will be made by Bruce Johnson and Roy Anderson.
2. Plumbing work for Jackson 89 not schedule yet.
3. Case work for Owre-1 not received yet.
4. Millard 418 - sink has been selected; stone top will be cut out by U of M.
5. Damaged ceiling tile will be replaced.
6. Seamless flooring problem - meeting between Dean Johnson of Sander & Co. and a U of M representative (Tom Kyle or Gordon Dahlen) will be arranged.
7. Report by independent testing agency concerning glass pipe will be forwarded to U of M (possibly next week).
8. Noise problem on 4th floor Owre to be resolved through H.S.A.E. Pipes need to be worked on in Owre 430.
9. Field coordination will be needed for demolition on 2nd floor Lyon, moving into Rooms 101 and 136, and fume hood from Lyon to Millard 3.



JOML COMPLEX UPDATE MEETING

AUGUST 21, 1979

PAGE TWO

I. REVIEW OF MINUTES OF MEETING #51

10. Room J-297 - delamination problem reported to contractor.

II. PROGRESS OF WORK

A. Kraus-Anderson of Mpls., Inc.

1. Installed floor tile in M24.
2. Installed ceiling grid in M24.
3. Ordered radiation covers for basement and 1st floor Millard.
4. Hung doors M128B and hardware installed in M128A.
5. General clean up.
6. Working on punch list.
7. Plastering should be caught up today.

B. Commonwealth Electric

1. Working on basement rooms 24-3 Millard.
2. Working in southeast & southwest towers.
3. Working on fire alarm system.
4. Working on punch list items.

C. J. B. Nelson

1. Working on Millard, 1st floor and basement.

D. Lamb Plumbing

1. Rough-in in Millard 124.
2. Tie-ins and crawl space in M-3, M-20 & M-21.
3. Fitter is doing punch list work.

III. NEW BUSINESS & GENERAL DISCUSSION

1. Bruce Johnson - inquired about vault leak. Goddard will do resealing.
2. Steve Fredell - will coordinate Louis Allis and U of M personnel to solve transducer adjustments.
3. Gordon Lindholm - concerned about fan shaft covers.
- concerned about location of relief valve on booster heaters.

III. NEW BUSINESS & GENERAL DISCUSSION (CONF'D.)

4. Gordon Herbst - Owre 89 needs schedule of demolition, hook-ups and plaster work.
- concerned about gas lines outside Owre 210.
5. Laminar flow hoods are not meeting specifications. List of defective hoods given to General Contractor.
6. Diffuser direction will be evaluated by Mech Data through U of M.
7. Glass lines are penetrating masonry walls without proper exterior protective sleeve.
8. Status of booster heaters regarding hook-ups will be resolved by U of M.

KRAUS-ANDERSON of MPLS, Inc.
CONTRACTORS & CONSTRUCTION MANAGERS

JOMI COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB #150

JOB PROGRESS MEETING #53
TUESDAY, SEPTEMBER 4, 1979

SEP 5 Recd

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

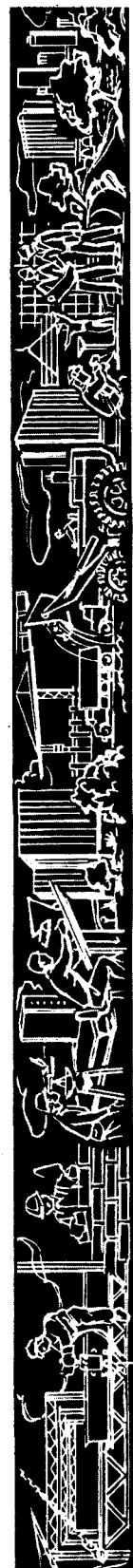
ATTENDANCE:

Kraus-Anderson of Mpls., Inc.
Joe Gerleman
Dave Berning
Hayes Contractors
Scott Ciminski
Ray Anderson
Commonwealth Electric
Karl Bengtson
Mike Rickard

University of Minnesota
Gordon Dahlen
A. Walter Johnson
Muriel Lubansky (Physiology)
Roy Anderson
Gordon H. Herbst
James Burck (Pharmacology)
Steve Fredell
H.S.A.E.
Bruce Johnson

I. REVIEW OF MINUTES OF MEETING #52

1. M-3 grille - installation will be done by O'Brien Sheet Metal on a time and material basis.
2. Plumbing work for Jackson 89 not scheduled yet. One reason is a shortage of plumbers on the job.
3. Casework for Owre-1 not received from Haldeman-Homme.
4. Seamless flooring problem - meeting between Dean Johnson of Sander and Co. and a U of M representative (Tom Kyle or Gordon Dahlen) will be arranged by the General Contractor.
5. Report by independent testing agency concerning glass pipe and couplings will be forwarded to U of M by Hayes Contractors.
6. Noise problem on 4th floor Owre to be resolved through H.S.A.E.
7. Exposed pipes in Owre 430 need to be covered.
8. Report on defective fume hoods has been given to Haldeman-Homme by General Contractor. Haldeman-Homme has forwarded report to Hamilton Industries for further action.



II. PROGRESS OF WORK

A. Kraus-Anderson of Mpls., Inc.

1. Installed window sills in basement and 1st floor Millard.
2. Doing punch list work.
3. General cleanup.
4. Setting casework and countertops in basement and 1st floor Millard.

B. Lamb Plumbing

1. Finishing Millard 23 and 24.
2. Roughed-in Lyon 274.
3. Roughed-in Owre 461.1.
4. Unhooked fume hood in Lyon 270.

C. Commonwealth Electric

1. Working on 1st floor Millard and in southwest tower areas.

III. NEW BUSINESS AND GENERAL DISCUSSION

1. Muriel Lubansky - Millard 462 needs finish work.
2. Gordon Herbst - Reported problems with locks in certain areas.
3. Karl Bengtson - Inquired about possible completion date. Joe Gerleman informed him of October 31.
4. Jim Burck - Inquired about completion of Millard 24. Dave Berning told him possibly 2-1/2 weeks.
5. Gordon Dahlen - Needs a few days advance notice before work is to begin in Jackson 89.

The next Job Meeting will be at 1:30 p.m., September 18, 1979, in Room 4112, Powell Hall.

KRAUS-ANDERSON of MPLS, Inc.

CONTRACTORS & CONSTRUCTION MANAGERS

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB #150

JOB PROGRESS MEETING #54
TUESDAY, SEPTEMBER 18, 1979

SEP 20 Recd

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE



ATTENDANCE:

Kraus-Anderson of Mpls., Inc.

Joe Gerleman
Dave Berning
Commonwealth Electric
Mike Rickard
Lamb Plumbing
Scott Ciminski
Ray Anderson
H.S.A.E.
Mike Hangge

University of Minnesota

Steve Fredell
Muriel Lubansky (Physiology)
Gordon Dahlen (Eng. & Const.)
Tom Kyle (H.S.P.O.)
Gordon Lindholm (H.S.P.P.)
Roy Anderson
Gordon Herbst (Anatomy)
Jim Burck

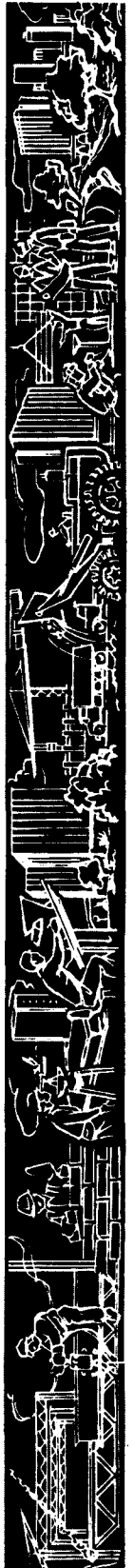
I. REVIEW OF MINUTES OF MEETING #53

1. Plumbing work for Jackson 89 not scheduled yet. One reason is a shortage of plumbers on the job.
2. Seamless flooring problem has been referred to the Architect.
3. Noise problem on 4th floor Owre to be checked for proper design.
4. A meeting on defective fume hoods problem will be set up by General Contractor.
5. Millard 461 needs casework and plumbing.
6. Gordon Herbst reported problems with locks in certain areas.
7. Millard 24 to be ready around September 25, 1979.

II. PROGRESS OF WORK

A. Kraus-Anderson of Mpls., Inc.

1. Floor tile first floor and basement nearly complete.
2. Casework first floor and basement all set except a few uppers on first floor, missing two counter tops on first floor.



II. PROGRESS OF WORK (CONTINUED)

A. Kraus-Anderson of Mpls., Inc. (Continued)

3. Doing block work on 5th floor Mechanical Room.
4. Patching floors in Room 2 and 3 Millard, installed ceiling grid.
5. Work on Room 137 Owre.
6. Plastering 2nd floor Lyon Labs.
7. General cleanup and punch list.

B. J. B. Nelson

1. Preparing walls on 1st floor and basement of Millard; getting casework ready for painting in Room 24.

C. Lamb Plumbing

1. Finishing work in Millard 130, 131, 132, 136 and 101.

D. Commonwealth Electric

1. Punch list work on basement and 1st floor Millard.
2. Fire alarm almost completed.

III. NEW BUSINESS AND GENERAL DISCUSSION

1. Jim Burck - needs a date for vacating 2nd floor Lyon area.
2. Gordon Lindholm - glass pipe still breaking. Need Louis Allis representative to adjust controller on chilled water pumps.
3. Joe Gerleman - inquired about status of Change Order #11.
4. Steve Fredell - will test fire alarm system next week.
5. Ray Anderson - shaft covers will be installed.
6. Roy Anderson - presented a list of defective items. A typed copy will be forwarded to concerned parties.

The next Job Meeting will be at 1:30 p.m., October 2, 1979 in Room 4112, Powell Hall.

JOML-B file

KRAUS-ANDERSON of MPLS, Inc.
CONTRACTORS & CONSTRUCTION MANAGERS

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB #150

JOB PROGRESS MEETING #55
TUESDAY, OCTOBER 2, 1979

ATTENDANCE:

Kraus-Anderson of Mpls., Inc.

Joe Gerleman
Dave Berning
Hayes Contractors
Ray Anderson
Scott Ciminski

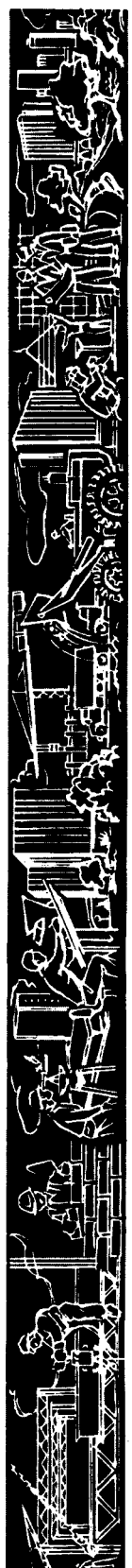
J. B. Nelson
Don Froom
Commonwealth Electric
Mike Rickard
H.S.A.E.
Bruce Johnson

University of Minnesota

Gordon Dahlen
Muriel Lubansky (Physiology)
Tom Kyle (H.S.P.O.)
Roy Anderson
Jack Geretz
Steve Fredell
Gordon Lindholm (Physical Plant)
A. Walter Johnson
Gordon Herbst
Jim Burak

I. REVIEW OF MINUTES OF MEETING #54

1. Seamless flooring problem - meeting of concerned parties to resolve problem will be arranged by Gordon Dahlen.
2. Recommendations to correct noise problem on 4th floor Owre are forthcoming from H.S.A.F. and Mech Data.
3. Millard 461.1 - problem with type of sink to be installed will be resolved by General Contractor.
4. Lock problem exists in J-374.
5. Millard 24 - electrical and plumbing punch lists have been completed.
6. No pipe insulator on job - holding up vacating of 2nd floor Lyon.
7. Glass pipe still breaking.
8. Fire alarm system will be installed.
9. Shaft covers will be installed.



JOML COMPLEX UPDATE MEETING
OCTOBER 2, 1979
PAGE TWO

II. PROGRESS OF WORK

A. Kraus-Anderson of Mpls., Inc.

1. Installed floor tile in Rooms M-124, M-3 and M-2. Completed base installation in M-24.
2. Hung doors on first floor of Millard.
3. Working on Punch List.

B. Commonwealth Electric

1. Working on basement and first floor of Millard.

C. Lamb Plumbing

1. Working in M-124 and M-3.
2. Working on Punch Lists and miscellaneous items.

III. NEW BUSINESS AND GENERAL DISCUSSION

1. Jim Burak - M-128 needs base and tile for completion.
- M-6 has no ventilation.
2. Gordon Dahlen - needs date from Gordon Herbst to get into J-89.
3. Gordon Lindholm - inquired about different colors of floor tile.
4. Jack Geretz - needs response on glass break problem.
5. Roy Anderson - O'Brien Sheet Metal, H.S.A.E. and the Owner had a meeting on ventilation problems in the southeast tower (basement area) and on noise problem in J-0 (Rooms 54 and 58). H.S.A.E. will follow up.
6. A. Walter Johnson - all pipe sleeves should be properly located and caulked.

The next Progress Meetings are set up on October 16 and October 30 at 1:30 p.m. in Room 4112, Powell Hall.

JOMC - B
FILE

KRAUS-ANDERSON of MPLS, Inc.
CONTRACTORS & CONSTRUCTION MANAGERS

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB #150

JOB PROGRESS MEETING #56
TUESDAY, OCTOBER 16, 1979

ATTENDANCE:

Kraus-Anderson of Mpls., Inc.

Joe Gerleman
Dave Berning
Hayes Contractors
Ray Anderson
Scott Ciminski

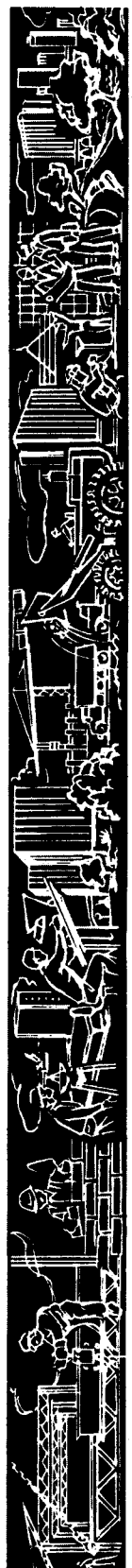
J. B. Nelson
Don Froom
Commonwealth Electric
Karl Bengtson

University of Minnesota

Gordon Dahlen
Tom Kyle (H.S.P.O.)
A. W. Johnson
Muriel Lubansky (Physiology)
Jim Burak (Pharmacology)
Roy Anderson
H.S.A.E.
Bruce Johnson

I. REVIEW OF MINUTES OF MEETING #55

1. Meeting on seamless flooring problem has been set for 8:00 a.m. on October 17, 1979.
2. Recommendations to correct noise problem on 4th floor Owre are forthcoming from H.S.A.E. and Mech Data.
3. Water leaks in Owre 125 and Millard 213 -- cause unknown.
4. Shaft covers will be installed by Hayes Contractors.
5. Millard 6 has no ventilation. Ray Anderson stated that O'Brien Sheet Metal will not do this additional work.
6. Jack Geretz will look at problem with different colors of floor tile.
7. Kraus-Anderson will respond in writing on glass break problems.
8. Roy Anderson - O'Brien Sheet Metal, H.S.A.E. and the Owner had a meeting on ventilation problems in the southeast tower (basement area) and on noise problems in J-0 (Rooms 54 and 58). H.S.A.E. will follow up.



II. PROGRESS OF WORK

A. Kraus-Anderson of Mpls., Inc.

1. Finished hardware on first floor of Millard.
2. Working on Owre elevator.
3. Doing punch lists and cleanup.

B. J. B. Nelson

1. Working in Lyon area and basement of Millard.

C. Lamb Plumbing

1. Three men on job.
2. Doing hookup of booster heaters on 3rd floor Owre
3. Working on 89 Jackson and 17 Millard.
4. Working on punch lists and miscellaneous items.
5. Working on fire line branch and hose cabinet on 2nd floor Owre.

III. NEW BUSINESS AND GENERAL DISCUSSION

1. Joe Gerleman - Will decide on extra casework painting after discussion with Don Froom.
2. Gordon Dahlen - Have all Subcontractors do cleanup and haul away their equipment prior to final inspection.
- Steel studs in courtyard are to be removed.
3. Roy Anderson - Inquired about shock absorbers on dish washers.
- Concerned with glass piping that is unsleeved and unprotected.
- Coordination needed between Commonwealth Electric and O'Brien Sheet Metal to get air system operative.

The next Progress Meeting will be held on October 30 at 1:30 p.m. in Room 4112, Powell Hall.

KRAUS-ANDERSON of MPLS, Inc.

CONTRACTORS & CONSTRUCTION MANAGERS

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

KRAUS-ANDERSON JOB #150

JOB PROGRESS MEETING #57
TUESDAY, OCTOBER 30, 1979

ATTENDANCE:

Kraus-Anderson of Mpls., Inc.

Joe Gerleman
Lave Berning
J. B. Nelson
Don Froom
Hayes Contractors
Ray Anderson
Scott Ciminski
Commonwealth Electric
Karl Bengtson

University of Minnesota

Steve Fredell
Tom Kyle (H.S.P.O.)
Gordon Lindholm (H.S.P.P.)
A. W. Johnson
Gordon Dahlen
Roy Anderson
H.S.A.E.
Bruce Johnson

NOV 1 Recd

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE



I. REVIEW OF MINUTES OF MEETING #56

1. Seamless flooring problem is no longer a responsibility under this Contract.
2. Water leaks in Owre 125 and Millard 213 were caused by plumbers forgetting to plug a "tee" connection.
3. Shaft covers will be installed by Hayes Contractors.
4. Recommendations to correct noise problem on 4th floor Owre are forthcoming from H.S.A.E. and Mech Data.
5. The questions of shock absorbers on dish washers and glass piping that is unsleeved and unprotected remain to be resolved.

II. PROGRESS OF WORK

A. Kraus-Anderson of Mpls., Inc.

1. Completed demolition work in Lyon labs.
2. Doing general cleanup.
3. Doing punch list work.



II. PROGRESS OF WORK (CONT'D.)

B. J. B. Nelson

1. Painting in Lyon labs.
2. Completed painting of stairways.

C. Lamb Plumbing

1. Doing hookup of glass washer in Jackson 496.1.
2. Working in Lyon labs.
3. Doing punch list work.
4. Fitters are cleaning up.

III. NEW BUSINESS & GENERAL DISCUSSION

1. Gordon Dahlen - Wants plumbing crew size to remain the same.
2. Joe Gerleman - Kraus-Anderson forces will be finished this Friday.
3. Steve Fredell - Asked that another man be added to electrical crew.
4. Karl Bengtson - Inquired about claim letters of 7-31-79 (\$2,348) and 8-2-79 (\$340).
5. Roy Anderson - Copies of remaining mechanical work were given to Hayes Contractors, Inc.
6. Dave Berning - Inquired about power supplies for doors and their subsequent hookup.
7. Scott Ciminski - Pointed out disadvantages of having extra men on job due to unfamiliarity with project.
 - Inquired about outage for hookup of glass washer in Jackson 496.1.
 - Inquired about removal of door on Millard cold room to enable plumbers to finish area.
8. Gordon Lindholm - Pipe insulator has work to do in many areas.
9. Gerald Bratt - Inquired about replacing damaged ceiling tile because of water leaks.

Additional Progress Meetings will be called by the University of Minnesota. A meeting with Mechanical Contractor will be held at 1:30 p.m. on November 13, 1979, in 4112 Powell Hall.

KRAUS-ANDERSON of MPLS, Inc.

CONTRACTORS & CONSTRUCTION MANAGERS

JOML COMPLEX (CONTRACT B)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA

NOV 15 Rec'd

KRAUS-ANDERSON JOB #150 UNIV. OF MINN.
HEALTH SCIENCE
JOB PROGRESS MEETING #58 PLANNING OFFICE
TUESDAY, NOVEMBER 13, 1979

ATTENDANCE:

Kraus-Anderson of Mpls., Inc.
Joe Gerleman
Hayes Contractors
Ray Anderson
Scott Ciminski
Paul W. Abbott Co.
John R. Abbott

University of Minnesota
Tom Kyle (H.S.P.O.)
A. W. Johnson
Gordon Dahlen
Roy Anderson
Gerald Bratt
Honeywell
Ken Krogh

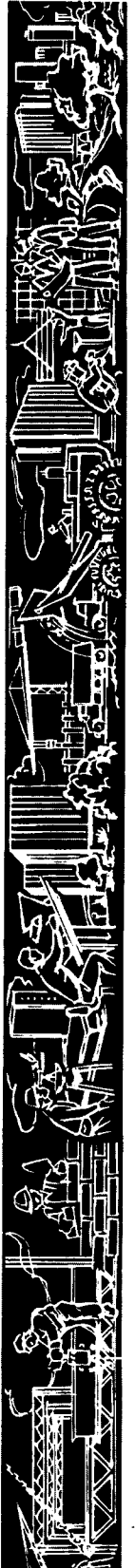
I. REVIEW OF MINUTES OF MEETING #57

1. Shaft covers will be installed by Hayes Contractors by November 16, 1979.
2. The questions of shock absorbers on dish washers and glass piping that is unsleeved and unprotected remain to be resolved.
3. Lamb Plumbing is awaiting faucets to complete work in Lyon Labs.
4. Power supplies for automatic doors and their hookup are still outstanding.

II. PROGRESS OF WORK

Hayes Contractors

1. Plumbers are doing rough-in work in Millard cold room and working on punch list items.
2. Fitters will refill heat recovery system tomorrow.
3. Sheet metal will install shaft covers and do work under Modification 125-E. Punch list work is complete.
4. Temperature control work is complete.
5. Pipe insulators have completed work up to and including punch list #19.



JOML COMPLEX UPDATE MEETING
NOVEMBER 13, 1979
PAGE TWO

III. NEW BUSINESS AND GENERAL DISCUSSION

1. Gordon Dahlen - inquired about lack of deionized water supply in Millard Rooms 405 and 409.
- Modification 122 is incomplete.
2. Ray Anderson - mechanical work will be finished by November 26, 1979.
3. Gerald Bratt - inquired about backsplashes in Millard 218.
- inquired about electrical hookup to booster heaters.

University of Minnesota will call for any additional Progress Meetings.