



UNIVERSITY OF MINNESOTA
TWIN CITIES

Health Sciences Planning Office
Box 75 Powell Hall
4103 Powell Hall
Minneapolis, Minnesota 55455
(612) 373-8981

January 10, 1975

TO: Clinton Hewitt
FROM: *Paul* Maupin
SUBJECT: Jackson-Owre-Millard-Lyons Schedule

Responding to your request of January 7, 1975, regarding the design remodeling schedule for the Jackson-Owre-Millard-Lyons project.

We are presently prepared to start interfacing with the architectural consultants. We understand their involvement with this project is pending until the parking ramp problems have been resolved. Therefore, the following schedule is developed by major events and time to achieve these events only.

Schematics	4 months
Design Development	6 months
Construction Documents	9 months
Review	1 month
Bids	1 month
Review & Award Bids	1 month
Construction	12 - 18 months

If we may provide you with additional information, please do not hesitate to call.

PJM:rm

UNIVERSITY OF MINNESOTA
TWIN CITIES


Physical Planning
340 Morrill Hall
Minneapolis, Minnesota 55455

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JAN 27 1975

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

January 23, 1975

TO: Paul Maupin
FROM: Clint Hewitt 
SUBJECT: Jackson-Owre-Millard-Lyons Planning

Thank you for providing me with a projected schedule to accommodate the remodeling of JOML units. Since the involvement of TAC on this project can only be initiated after the successful (from the University point-of-view) resolution of the parking ramp problems, it seems to me we should give some thought to an alternative way of achieving this remodeling. Based upon the current rate at which the various issues involved in the construction of the parking ramp are being resolved, it could be a number of months before a satisfactory settlement is achieved.

With Unit B/C underway, we can't wait too much longer before initiating some action. Let me have your thoughts on this matter.

CNH/sf

cc: Milt Trapold

UNIVERSITY OF MINNESOTA

MEDICAL SCHOOL
OFFICE OF THE DEAN

To Paul D. ...

- Approved
- For your approval
- For your information
- For your attention
- Please reply directly with copy to my office
- Please advise me
- Please note and reply
- Please see me
- For your reaction or recommendation please

COMMENT

Handwritten comment:
 I am ...
 I am ...
 I am ...

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OCT 13 1975

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

Date 10/13/75

MEDICAL SCHOOL

1360 MAYO MEMORIAL BUILDING · MINNEAPOLIS, MINNESOTA 55455

Office of the Dean

January 31, 1975

TO: A. Lazarow
FROM: James C. Nelson
SUBJECT: G. L. Scheffler's 1/15/75 letter to Dale Stroud regarding the use of Ethyl alcohol in Body holding tanks

I would appreciate having your thoughts and suggestions on how we should proceed with regard to Gus Scheffler's recommendation to discontinue the use of alcohol in the body holding tanks in the Anatomy labs, unless a number of major safety modifications are made.

In view of the Dean's Office plans to relocate to the first floor of Owre and the upgrading planned for J-O-M, this office should be involved in any future discussions regarding this matter.

If you feel that we should get together with Gus Scheffler to discuss the various options, let me know.

JCN/MH

cc: Dr. Gault
Dr. Drehmel
G. Scheffler

J C Nelson.



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

See EWR

January 15, 1975

Memorandum

To: Dale Stroud, Assistant Professor, Mortuary Science, 88 Jackson Hall

From: G.L. Schaffler, Safety Engineer, Department of Environmental Health and Safety, University Health Service

Subject: Use of Ethyl Alcohol in Body Holding Tanks, Anatomy Laboratories, Jackson Hall.

The advantages of a 60%-40% water-alcohol solution in body holding tanks over present methods is clearly recognized by this department. These advantages must be considered, along with a considerable increased exposure to life safety from fire.

The increased fire exposure results from the fact that the alcohol/water mixture used has a flash point of 79°F. and the 95% ethanol used in making the mixture has a flash point of 63°F. Both the 95% ethanol and the final mixture are Class IB flammable liquids. The fire exposure is modified by the relatively low vapor pressure of alcohol.

The fact that the mixture is classified as a flammable liquid and used in open tanks imposes the building code requirement that all electrical circuits, lights, and equipment be designed and installed according to the National Electrical Code for Class I, Div. I, Group D hazardous locations.

Even this modification of the laboratories will not prevent ignition by open lights or cigarettes. If ignition occurs, the quantity of fuel will be sufficient to have the probability of complete building involvement, even if use is limited to ten tanks per room and the laboratories are separated by one-hour fire resistant walls and doors. As more tanks are placed in use, the potential for complete building involvement will increase.

Because all building occupants may be adversely affected by a fire in an anatomy laboratory, it seems logical to involve them and the Dean in the evaluation of this new procedure. This department would first advise that the fuel quantities involved make this procedure unsafe when conducted in present facilities.

Partial control of the associated fire hazards could be achieved by the following:

1. Provide each laboratory with ventilation of at least 8 to 10 changes per hour.

January 15, 1975

2. Provide two separate and remote means of egress from the laboratory, with clear aisles within the laboratory to such exit doors.
3. Provide a 10 pound multi-purpose fire extinguisher conveniently located between each pair of tanks.
4. Prohibit open light and smoking in the area.
5. The tank covers be kept closed except during periods of actual use.
6. To insure compliance with the above, special instructions should be given to each student on procedures to be followed, in use of fire extinguishers, and understanding the hazard of smoking or using an open light in the area.
7. The doors from the laboratory to the corridor should be changed to "B" label doors on automatic closures with no hold-open devices and provided with panic hardware on the room side.

As mentioned previously, building code requirements would dictate the relatively expensive rewiring of each laboratory with proper explosion-proof wiring, lights, switches, etc.

This department must recommend against the use of alcohol in the holding tanks but understands the benefits associated with the procedure. The final decision, with due consideration of the above facts, is submitted for the consideration of the Department of Anatomy and the Dean of the Medical School in consultation with other building occupants. If this department can be further servica, please contact Mr. Herron or the writer.

GLS:teg

cc: Dr. Neal Gault ✓
Mr. Gordon Herbst
Dr. Arnold Lazarow



UNIVERSITY OF MINNESOTA
TWIN CITIES

Department of Pharmacology
Medical School
105 Millard Hall
Minneapolis, Minnesota 55455
(612) 373-3085

March 6, 1975

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MAR 10 1975

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

Mr. Paul J. Maupin
Health Sciences Planning Office
4104 Powell Hall
University of Minnesota
Minneapolis, Minnesota 55455

Dear Mr. Maupin:

I am designating Dr. Nelson Goldberg as the representative of the Department of Pharmacology to work with you on the Health Science committee on plans for remodeling the Jackson-Owre-Millard-Lyon Laboratories complex and any planning activities which may be considered appropriate with respect to the departments in the basic medical sciences. In light of the concerns expressed in our meeting with Dr. French, I would hope that this committee will be activated at an early date.

Sincerely yours,

F. E. Shideman, M. D., Ph. D.
Head, Department of Pharmacology

FES:rs
cc: Dr. Goldberg

UNIVERSITY OF MINNESOTA
TWIN CITIES

Department of Biochemistry
Medical School
227 Millard Hall
Minneapolis, Minnesota 55455

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MAR 10 1975
UNIV. OF MINN.
HEALTH SCIENCES
PLANNING OFFICE

March 6, 1975

Mr. Paul Maupin, Coordinator
Health Sciences Planning Office
4104 Powell Hall
Minneapolis Campus

Dear Mr. Maupin:

This letter is in response to the meeting which was held last Friday in Vice President French's office. At that time Dr. French proposed a new space committee for Jackson-Owre-Millard which would have representatives from each of the basic medical sciences. For the Department of Biochemistry I would like to designate Dr. James Bodley as our member of this committee. As you know, Dr. Bodley has been the Chairman of the department's Space Allocation Committee this year, and in this role he has become quite familiar with the department's space problems and reallocation, and also with the general questions of the JOM space renovation. I am sure that he will be an effective member of this committee.

With best regards.

Sincerely,



Charles W. Carr
Professor and Acting Head

CWC/1k

UNIVERSITY OF MINNESOTA
TWIN CITIES

Department of Anatomy
262 Jackson Hall
Minneapolis, Minnesota 55455

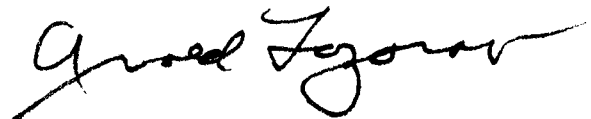
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MAR 10 1975

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

DATE : March 6, 1975
TO : Paul Maupin
FROM : Arnold Lazarow
SUBJECT: Appointment to Jackson/Owre/Millard Building Committee

I recommend that Donald Robertson be appointed to the Jackson/Owre/
Millard Supervisory Building Committee.



AL:jlm

UNIVERSITY OF MINNESOTA
TWIN CITIES

Department of Laboratory Medicine and Pathology
Medical School
Box 198 Mayo Memorial Building
Minneapolis, Minnesota 55455
(612) 373-8623

March 10, 1975

Mr. Paul Maupin, Coordinator
Health Sciences Planning Office
4104 Powell Hall

Dear Mr. Maupin:

I am recommending that the Department of Laboratory Medicine and Pathology's representative to the Jackson-Owre-Millard Space Committee be Dr. Andreas Rosenberg. Dr. Rosenberg is Professor of Laboratory Medicine and Pathology.

If you have any questions regarding this appointment, please let me know.

With best regards.

Yours sincerely,



Ellis S. Benson, M.D.
Professor and Head

ESB:cj

J.O.M.
FILE

MEDICAL SCHOOL
DEPARTMENT OF PHYSIOLOGY • MINNEAPOLIS, MINNESOTA 55455

March 17, 1975

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MAR 17 1975

Mr. Paul Maupin
Coordinator
Health Science Planning Office

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

Dear Mr. Maupin:

Submitted herewith are the data you requested on the Jackson-Owre-Millard-Lyons renovation project. There are a few very important matters which do not fit well into the questionnaire, and which we feel must be considered in any deliberations on the subject project.

1. Access to 4th floor Owre from 4th floor Millard: There is a difference in elevation of 2 1/2 to 3 feet between the two floors. It is necessary that movement between the two floors be easily accomplished with laboratory utility carts, often loaded with glass vessels containing biological or radiological material which must not be subjected to any risk of spilling. It appears to us that there might be 2 options to a possible solution to the problem: a ramp down from the Millard to the Owre level, or a rebuilding of the existing elevator which currently goes from 4th floor Millard to 5th floor Owre. We believe that the latter is the preferable option, although we would like to have the opinion of your engineers. Changing of the elevator would involve extending the downward capability of the elevator by the 2 or 3 feet difference in floor levels, so the car would stop level with both floors. We would also suggest here that the mechanism of the elevator be renovated to speed up the travel time of the car.

2. Establishment of a new elevator system from Jackson to the sub-basement animal quarters of Lyon. With the imminent activation of the new area in the 4th floor Jackson, together with the proposed excavation and finishing of the courtyard and sub-basement Jackson space, a new elevator service for this area will be imperative. Even at the present time anyone needing to move material from Jackson to the sub-basement animal quarters must travel from 4th floor Jackson to the 4th floor Lyon to the Lyon elevator which will take them to the animal quarters. This is a nuisance to the people doing the traveling, but it also poses many problems for the people occupying the areas which they must travel through. Any expansion of activity in this area will make the new elevator service quite necessary.

3. Any plans for renovation of the subject space should include the expansion of the existing deionized water system to take in all of the subject area. Modern research, with its precise analytical methods, requires this facility at every research location.

Mr. Paul Maupin
Page 2
March 17, 1975

We would be pleased to confer with your people on any aspect of the problems listed above.

As always, our sincere appreciation for the fine job that you and your people are doing.

Yours very truly,



Wayne L. Adams
Administrative Officer

WLA/skb
cc: Dr. Eugene Grim



UNIVERSITY OF MINNESOTA
TWIN CITIES

University Hospitals
Minneapolis, Minnesota 55455

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MAR 21 1975
UNIV. OF MINN.
HEALTH SCIENCES
PLANNING OFFICE

MARCH 19, 1975

MR. CLINTON N. HEWITT
ASSISTANT VICE PRESIDENT
PHYSICAL PLANNING
340 MORRILL HALL
UNIVERSITY OF MINNESOTA

DEAR CLINT:

THIS IS WRITTEN FOLLOWING OUR CONVERSATION OF 3/18/75 REGARDING OUR NEED FOR ARCHITECTURAL ASSISTANCE TO DEVELOP A SURGICAL PATHOLOGY LABORATORY IN PATHOLOGY ASSIGNED SPACE IN THE 190'S CORRIDOR OF JACKSON HALL.

WE HAVE OUR PROGRAM DEVELOPED AND ARE READY TO PROCEED INTO SCHEMATIC DEVELOPMENT. WE WILL HALT THE PROJECT TEMPORARILY AT THE END OF THE SCHEMATIC PHASE TO PUT THE FINAL CAPITAL PACKAGE TOGETHER AND TO SUBMIT THE PROJECT FOR CERTIFICATE OF NEED CONSIDERATION. WE THEN INTEND TO PURSUE THE PROJECT TO COMPLETION.

YOU INDICATED THAT H.S.A.E./T.A.C WERE RECENTLY ASKED TO SUBMIT A PROPOSAL FOR ARCHITECTURAL SERVICES TO YOUR OFFICE. AS SOON AS THE PROPOSAL IS ACCEPTED, AND WE HOPE THIS WILL OCCUR SHORTLY, WE WILL BE READY TO BEGIN DESIGN WORK.

SINCERELY,

THOMAS F. JONES
ASSOCIATE DIRECTOR
UNIVERSITY OF MINNESOTA HOSPITALS

TFJ:DB

CC: DR. DAVID BROWN
MR. DON HOWARD
MR. LEE LARSON
MR. PAUL MAUPIN

5412



UNIVERSITY OF MINNESOTA
TWIN CITIES

Health Sciences Planning Office
Physical Planning
Box 75 Powell Hall
4103 Powell Hall
Minneapolis, Minnesota 55455
(612) 373-8981

April 3, 1975

TO: James F. Brinkerhoff, Vice President
Finance, Planning and Operations

FROM: *Paul J. Martin*
Health Sciences Planning Coordinator

SUBJECT: Jackson/Owre/Millard Building Advisory Committee

The original Jackson/Owre/Millard Building Advisory Committee has served its original intent.

We are at a particular phase in programmatic planning; as Chairman of this committee, we suggest that it be restructured with the following membership to participate as a continuing building advisory committee through occupancy of the complex.

Executive Secretary	Mrs. Virginia Lewis
Medical School	Mr. James Nelson
Physical Plant	Mr. Dick Hendricks
Anatomy	Mr. Donald Robertson
Biochemistry	Dr. James Bodley
Pathology	Dr. Andreas Rosenberg
Pharmacology	Dr. Nelson Goldberg
Physiology	Dr. Richard Poppele
Mortuary Science	Mr. Dale Stroud

PJM:rm



UNIVERSITY OF MINNESOTA
TWIN CITIES

Health Sciences Planning Office
Physical Planning
Box 75 Powell Hall
4103 Powell Hall
Minneapolis, Minnesota 55455
(612) 373-8981

April 9, 1975

TO: Clinton Hewitt
FROM: *Paul Naupin*
SUBJECT: Jackson/Owre/Millard/Lyons Building Advisory Committee

The original committee is composed of representatives from each major element in the Health Sciences. They were appointed to verify and alter, where required, the original space commitment in light of the phased construction of Building B/C. This original committee has fulfilled that obligation. Therefore, in responding to a request from Dr. Lyle French's office and the Basic Sciences Council to provide representation of each Basic Sciences department on the committee, we recommend that the committee be restructured.

We are at a particular phase in programmatic planning; as Chairman of this committee, we suggest that it be restructured with the following membership to participate as a continuing building advisory committee through occupancy of the complex.

Executive Secretary	Mrs. Virginia Lewis
Medical School	Mr. James Nelson
Physical Plant	Mr. Dick Hendricks
Anatomy	Mr. Donald Robertson
Biochemistry	Dr. James Bodley
Pathology	Dr. Andreas Rosenberg
Pharmacology	Dr. Nelson Goldberg
Physiology	Dr. Richard Poppele
Mortuary Science	Mr. Dale Stroud

PJM:rm

cc: David Preston

T H E A R C H I T E C T S C O L L A B O R A T I V E I N C .

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MAY 1 1975

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

30 April 1975

Mr. Clinton N. Hewitt
Assistant Vice President
Physical Planning
University of Minnesota
340 Morrill Hall
Minneapolis, Minnesota 55455

Regarding: Health Sciences Expansion
University of Minnesota

Dear Clint:

We are writing to confirm our several conversations regarding the providing of architectural and engineering services for the improvements to the Jackson-Owre-Millard-Lyon complex (also known as "JOM remodeling).

We at TAC and HSAE have discussed how we might best serve you and meet your stated concerns. We have also given consideration to the requirements of overall continuity in the Health Sciences design effort, the need to follow through on the early principles set down from Master Planning forward. In view of these several considerations then we propose to do the work under the same agreement for services under which we have been working since 1968. This agreement is between TAC and the University and is dated 15 January 1968 with an amendment dated 21 December 1970. A schedule for fees for remodeling work was developed by the University on 19 January 1971. We believe these documents should be the basis for development of the revised agreement for the "JOM" work.

If there are modifications in the original agreement that the University wishes to make for the "JOM" work we would welcome the opportunity to sit down with you or whomever you designate to work out such changes .

From the outset of the Health Sciences work we have been working as a quite well integrated joint effort in terms of the several architectural offices that have been involved since 1968. It is the case that TAC has had lead responsibility for major programming and design effort but on all of the projects, we have had participation from our colleagues in the Twin Cities from project inception, even to the extent of having five people from the Twin Cities in our office in Cambridge for almost a full year during the early design phases of Unit A, Unit F (College of Pharmacy), Unit KE and and the Schematic Design for Unit BC. On the "JOM" remodeling work

JEAN B. FLETCHER
1945 1965
ALTER GROPIUS
1945 1969
NORMAN FLETCHER
JOHN C. HARKNESS
SARAH R. HARKNESS
LOUIS A. McMILLEN

RICHARD BROOKER
ALEX CVIJANOVIĆ
HERBERT GALLAGHER
WILLIAM J. GEDDIS
ROLAND KLUVER
PETER W. MORTON
H. MORSE PAYNE
ERNEST L. BIRDSALL
TREASURER

ROBERT F. CRANE
HOWARD ELKUS
ALLISON GOODWIN
JOHN HAYES
JOSEPH HOSKINS
LEONARD NOTKIN

QAZI B. AHMED
KENDALL P. BATES
SERGE CVIJANOVIĆ
ROYSTON DALEY
ROBERT DEWOLFE
GREGORY DOWNES
BASIL HASSAN
THOMAS LARSON
EDWARD MALICK
RALPH MONTGOMERY
PERRY NEUBAUER
MICHAEL PRODANOU
WALTER ROSENFELD
RICHARD SABIN
JOHN J. SCOTT
DAVID SHEFFIELD
EDMUND SUMMERSBY
KENNETH TAYLOR
MALCOLM TICKNOR
ROBERT TURNER
ROBERT WILSON
LAURENCE ZUELKE

Page 2
Mr. Clinton N. Hewitt
30 April 1975

now under consideration we would expect to have the same kind of joint approach except that to facilitate communication, we would designate a project architect who would be in residence in the Twin Cities. Our tentative assignment for "JOM" project architect is Jerry Olson who is known to most of the key people at the University and who has extensive experience in long range planning goals of the Health Sciences effort. Therefore, the key point of contact would be conveniently available to you and your staff at all times.

For the early programming and design effort TAC personnel would work from the offices in St. Paul that we share jointly with HSAE. We think this arrangement will provide for the necessary convenient access that you desire and at the same time will maintain the continuity of the original design principles through the involvement and responsibilities of the respective organization as set forth originally.

In further response to your concerns we have developed an organization framework which is depicted in the attached diagram which we believe clarifies and strengthens the relationships between your staff and ours.

If this method of approach and organizational structure for the "JOM" work is satisfactory to you please indicate by confirming letter or by initialling a copy of this, and we will proceed with the work immediately. Any details of a formal agreement can be worked out later.

Sincerely,

THE ARCHITECTS COLLABORATIVE, INC.


Roland Kliver

cc: Paul Maupin

UNIVERSITY OF MINNESOTA STAFF, USERS AND CONSULTANTS

UNIVERSITY PLANNING OFFICE

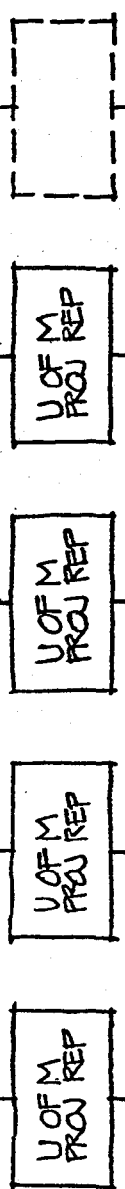
HEALTH SCIENCES PLANNING OFFICE

UNIT A UNIT BC JOM MAYO KIT OTHER

POLICY LEADERSHIP RESPONSIBILITY INTERFACE

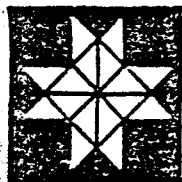
INFORMATION COORDINATION INTERFACE

TAC/HSAE



TAC/HSAE STAFF AND CONSULTANTS

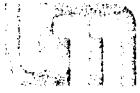
- ARCHITECTURAL
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- STRUCTURAL
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- LANDSCAPE
- INTERIORS
- GRAPHICS
- FOOD SERVICE
- ACOUSTICS
- PROGRAM
- EQUIPMENT
- COST CONTROL
- ELEVATOR
- MATERIALS HANDLING



UNIVERSITY OF MINNESOTA HEALTH SCIENCES EXPANSION
 THE ARCHITECTS COLLABORATIVE, INC. CAMBRIDGE, MASS. & THE HEALTH SCIENCES ARCHITECTS & ENGINEERS, INC.
THE CERNY ASSOCIATES INC. MINNEAPOLIS MINNESOTA
 HANMEL GREEN & ABRAHAMSON INC. ST PAUL MINNESOTA
 SETTER LEACH & LINDSTROM INC. MINNEAPOLIS MINNESOTA

UNIVERSITY OF MINNESOTA HEALTH SCIENCES ORGANIZATIONAL CHART

TAC/HSAE 29 APRIL 1975



UNIVERSITY OF MINNESOTA
TWIN CITIES

Division of Space Programming and Management
Office of Physical Planning
4116 Powell Hall
Minneapolis, Minnesota 55455
(612) 373-9673

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MAY 8 1975

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

May 6, 1975

TO: James C. Nelson
FROM: Virginia Lewis
SUBJECT: Storage cabinets in Owre Hall

As far as I know, the storage shelving that is located in the lobby of Owre Hall belonged to the Dental School. I do not have keys for that storage. However, space in the lobby or corridors of Owre Hall cannot be assigned because they will possibly be remodeled when Jackson-Owre-Lyons-Millard complex is remodeled.

If you need additional space for storage in Owre Hall, will you direct your request for space to the Jackson-Millard-Lyons-Owre Hall committee chaired by Paul Maupin.

VL:jam

cc: ✓ Paul Maupin - Chairman of Jackson-Owre-Millard
Committee
Dr. Mellard Holland
Ms. Gail Thomsen



UNIVERSITY OF MINNESOTA
TWIN CITIES

Health Sciences Planning Office
Physical Planning
Box 75 Powell Hall
4103 Powell Hall
Minneapolis, Minnesota 55455
(612) 373-8981

*JOML. Program
Development*

May 7, 1975

TO: Paul Maupin
FROM: Tom Kyle
SUBJECT: Jackson/ Owre/ Millard Renovation

I will have to work with the architect very closely on the project for him to know the user's needs and time schedules so as not to disrupt the user's usual procedures and allow the user to continue his teaching & research without interruption.

To begin with I will have to, with the architect, establish a uniform system of department and room numbering. Then I will begin a file & book on each department containing all information and correspondence from the user & architect concerning the user's needs and other considerations. These books will contain the information for the full project in each department and define the first phase renovations for each department (time schedules, available spaces, square feet, etc.).

For the first phase I will have to contact the user to discover what rooms he can renovate to fill his allowable square footage for phase one. This seems to be a problem that will best be solved by careful discussion between myself and the user after a preliminary draft of his requirements. Since each department does not know yet what rooms or how much he is allowed for the first phase I assume at times it will be difficult to get the proper information from him. I anticipate this and am prepared to deal in a congenial manner with users as much as possible.

Since the corridors are fixed on the plan already, I would assume there will be little problem with layout and square foot per floor figures; other than to meet the first phase figure of 81,000 sq. ft.

I need to know from the architects what the basic needs of the building are, including air conditioning, water, etc.; and I need to know from the user what his basic physical needs are, including radiation hoods, vacuum, incinerators, x-ray, etc. I will be co-ordinating the information from both parties to insure smooth completion of the renovation of the first 81,000 square feet.

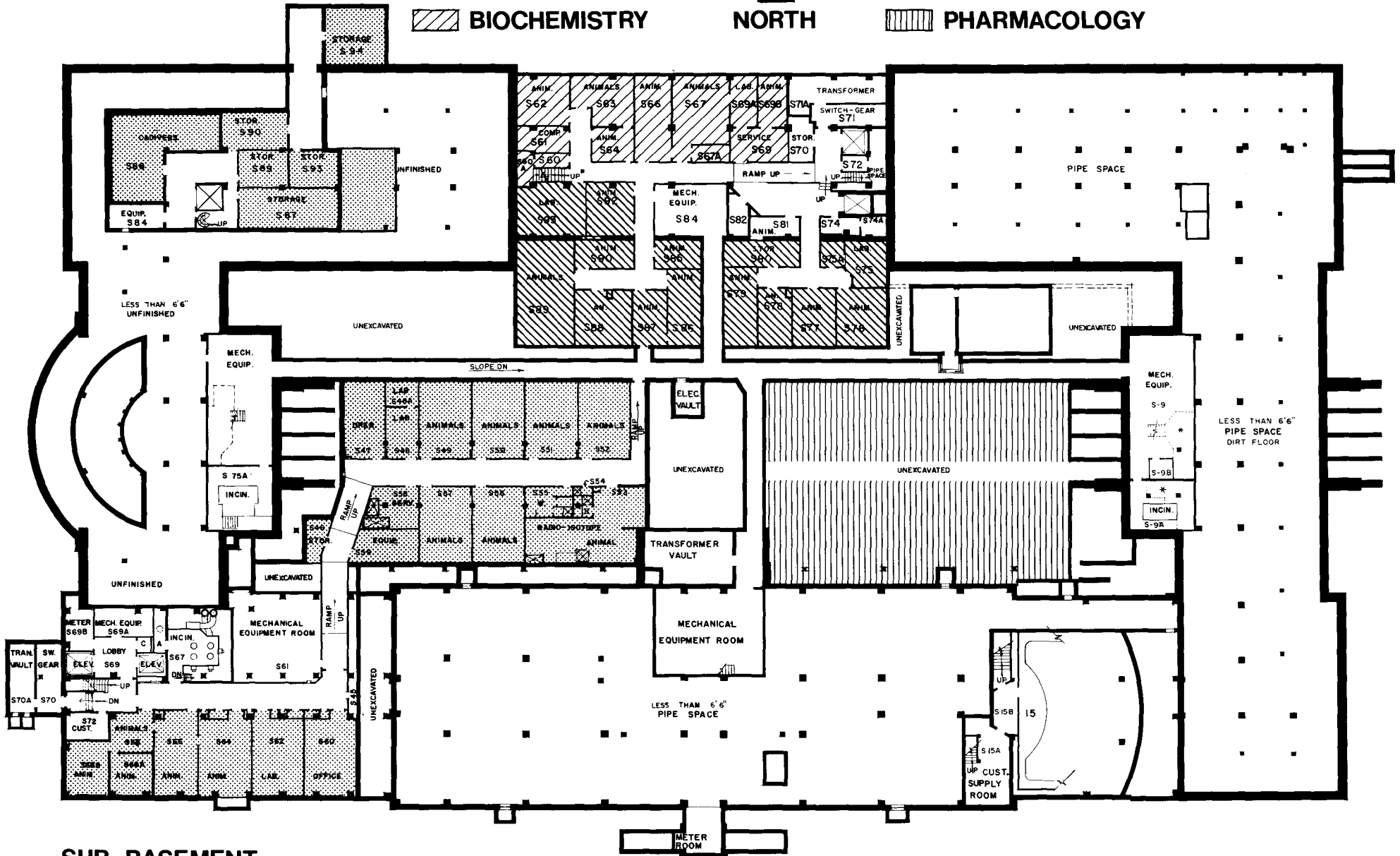
TK:cc

Tom Kyle

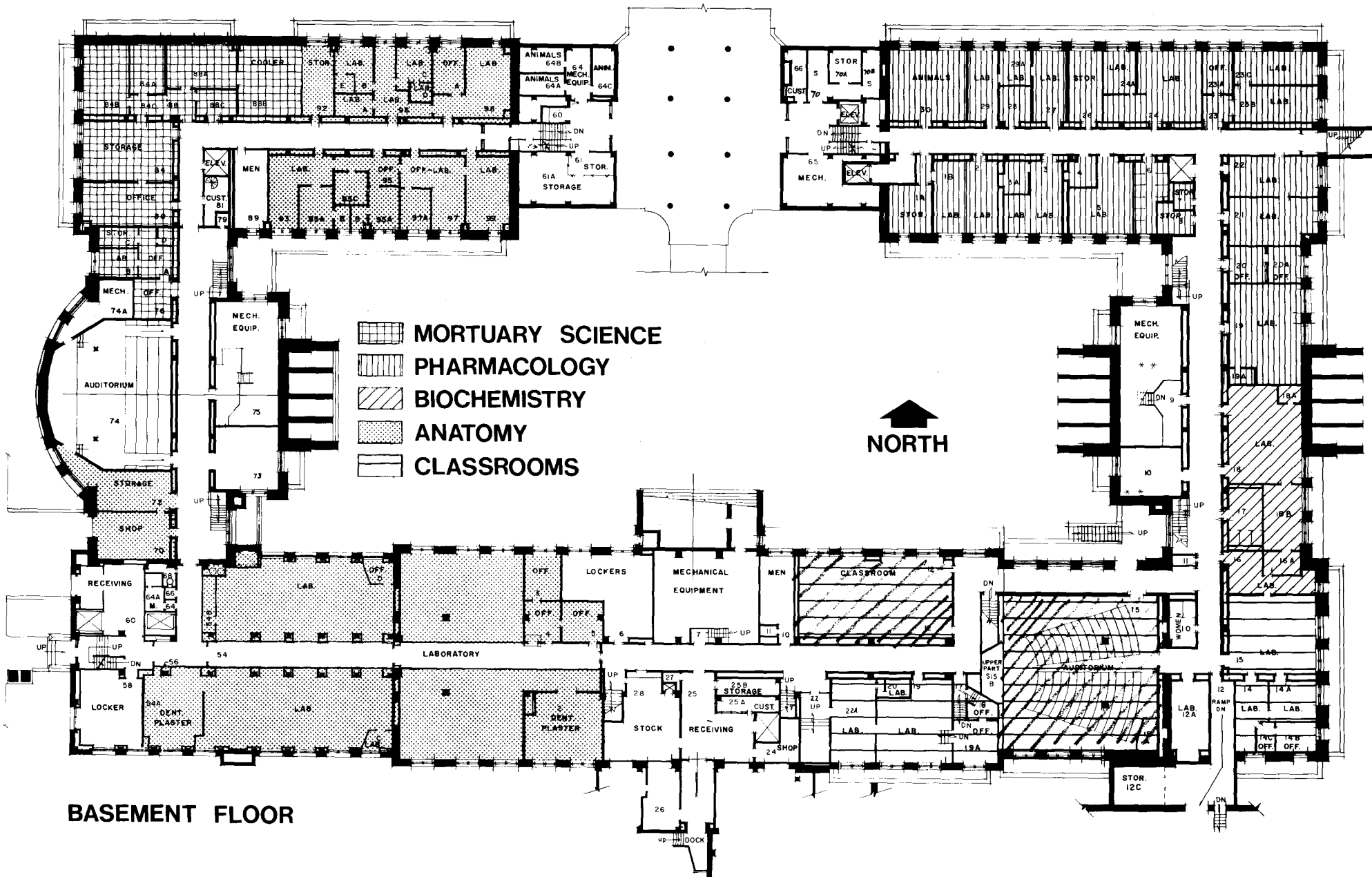
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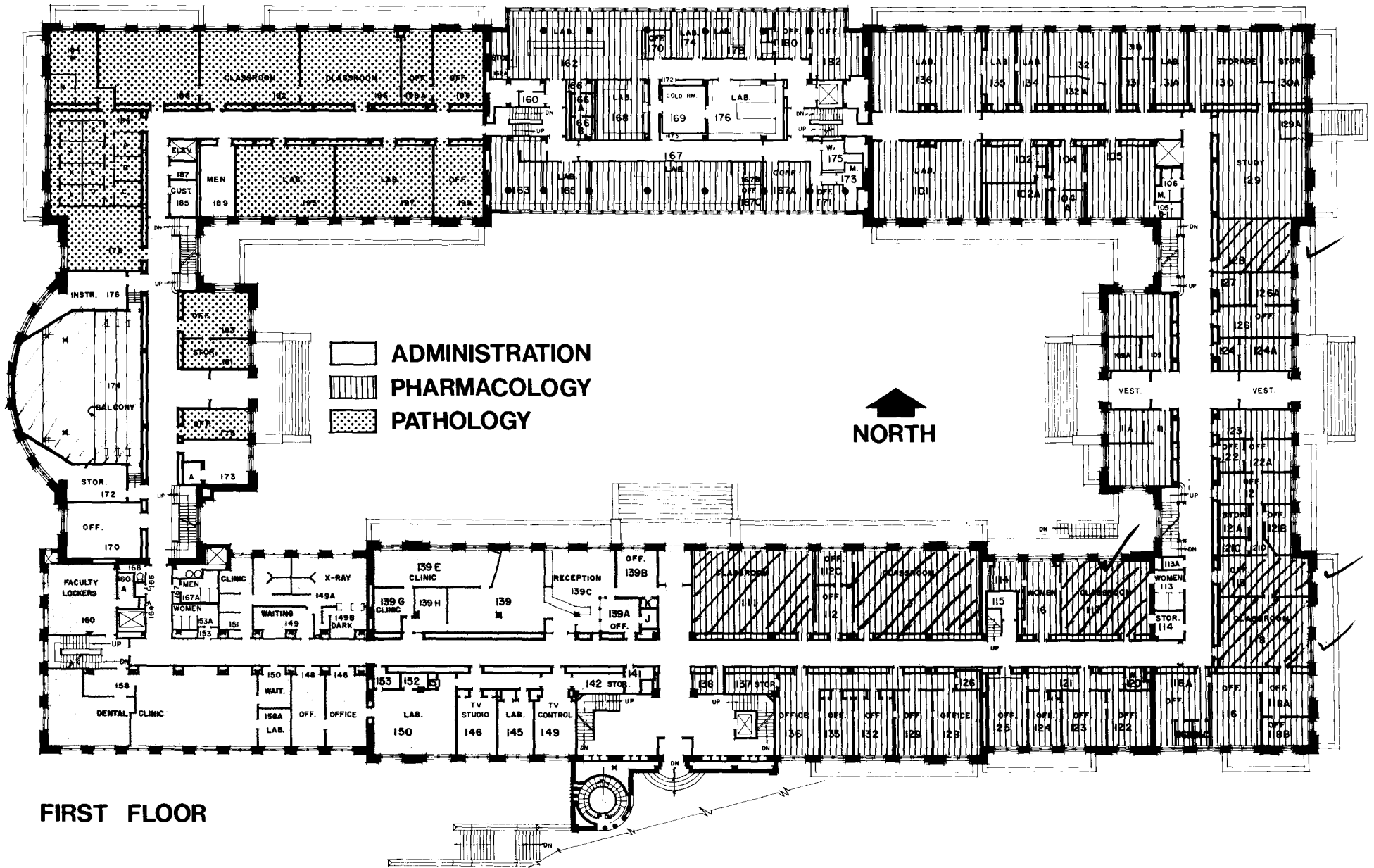
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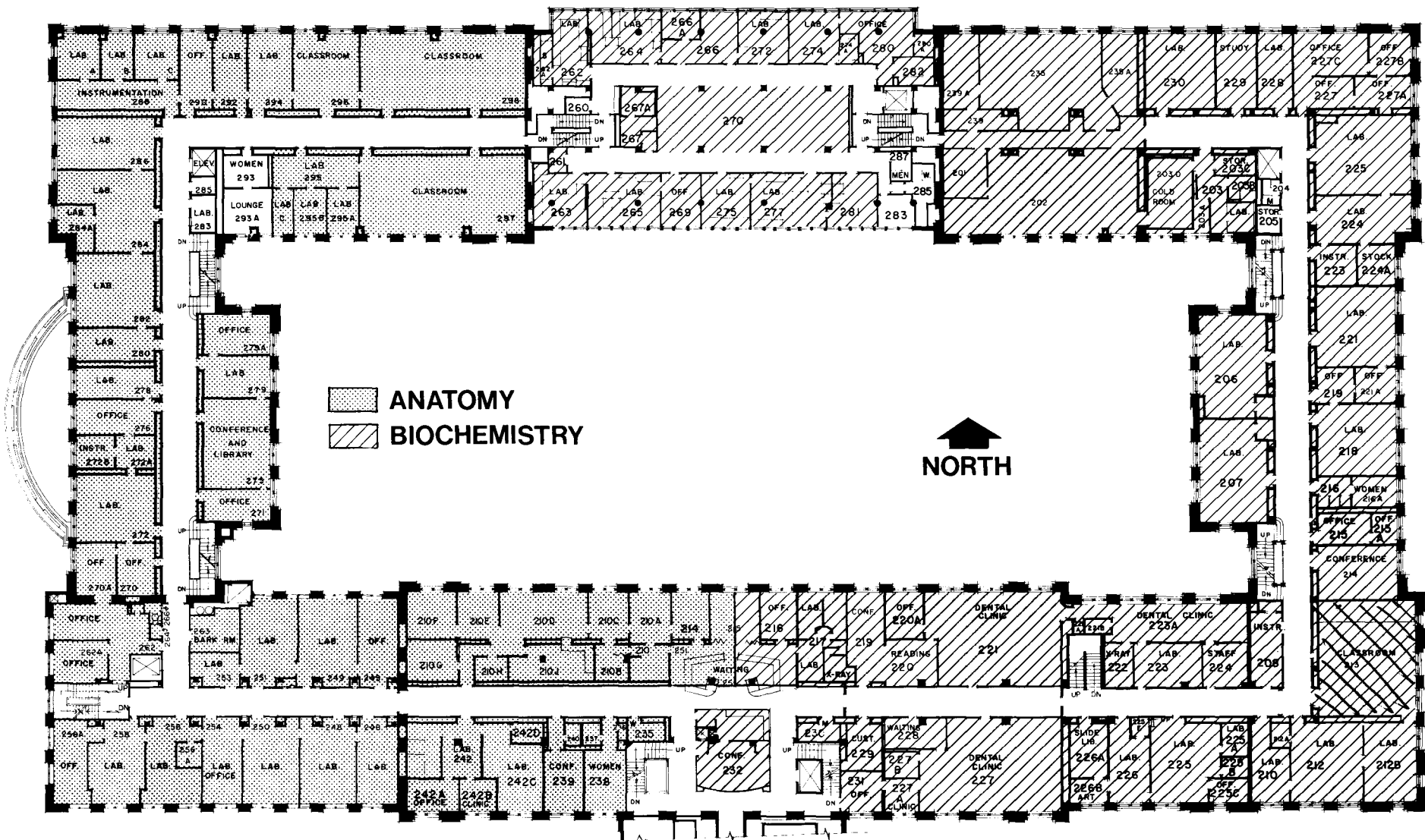
SUB-BASEMENT



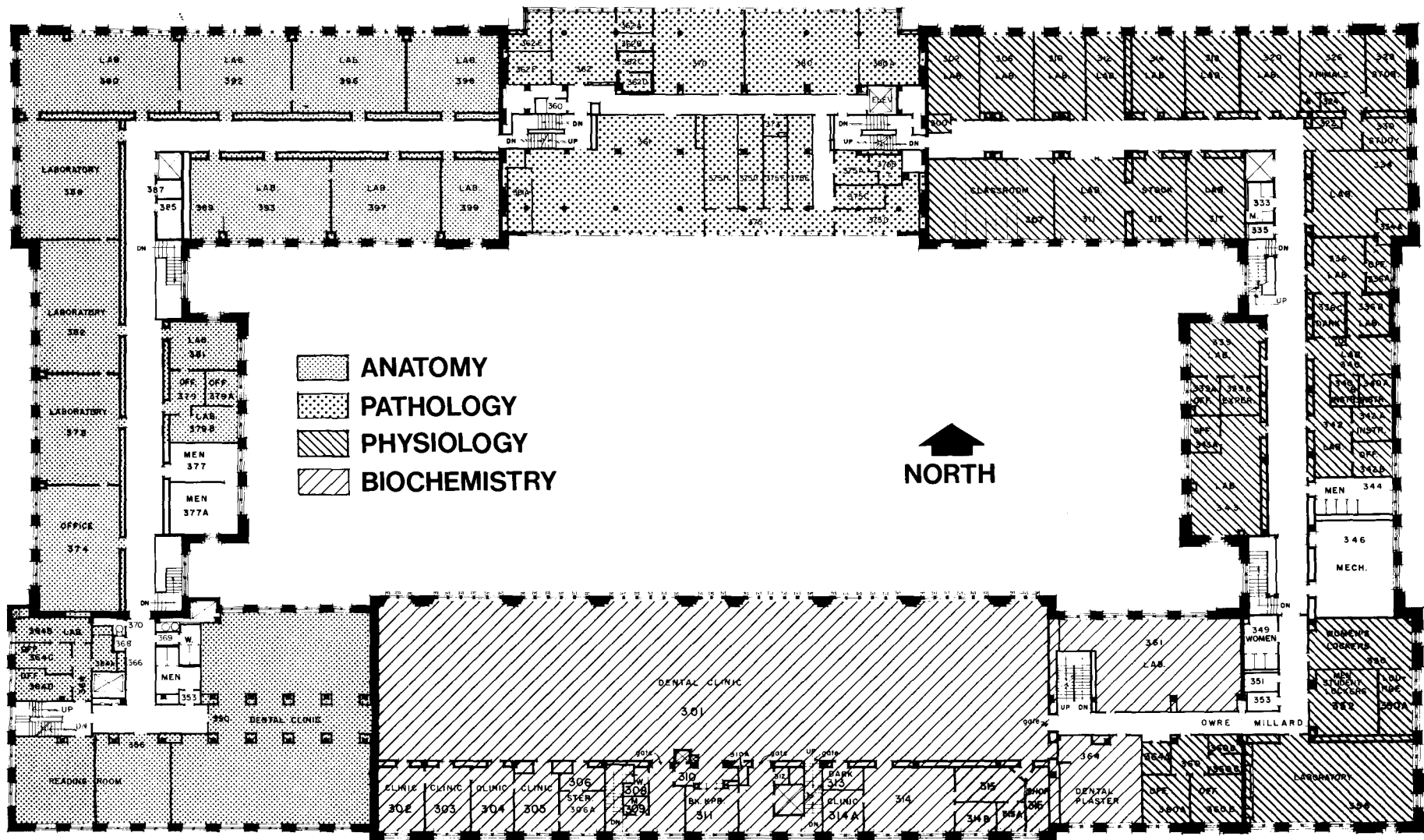
BASEMENT FLOOR



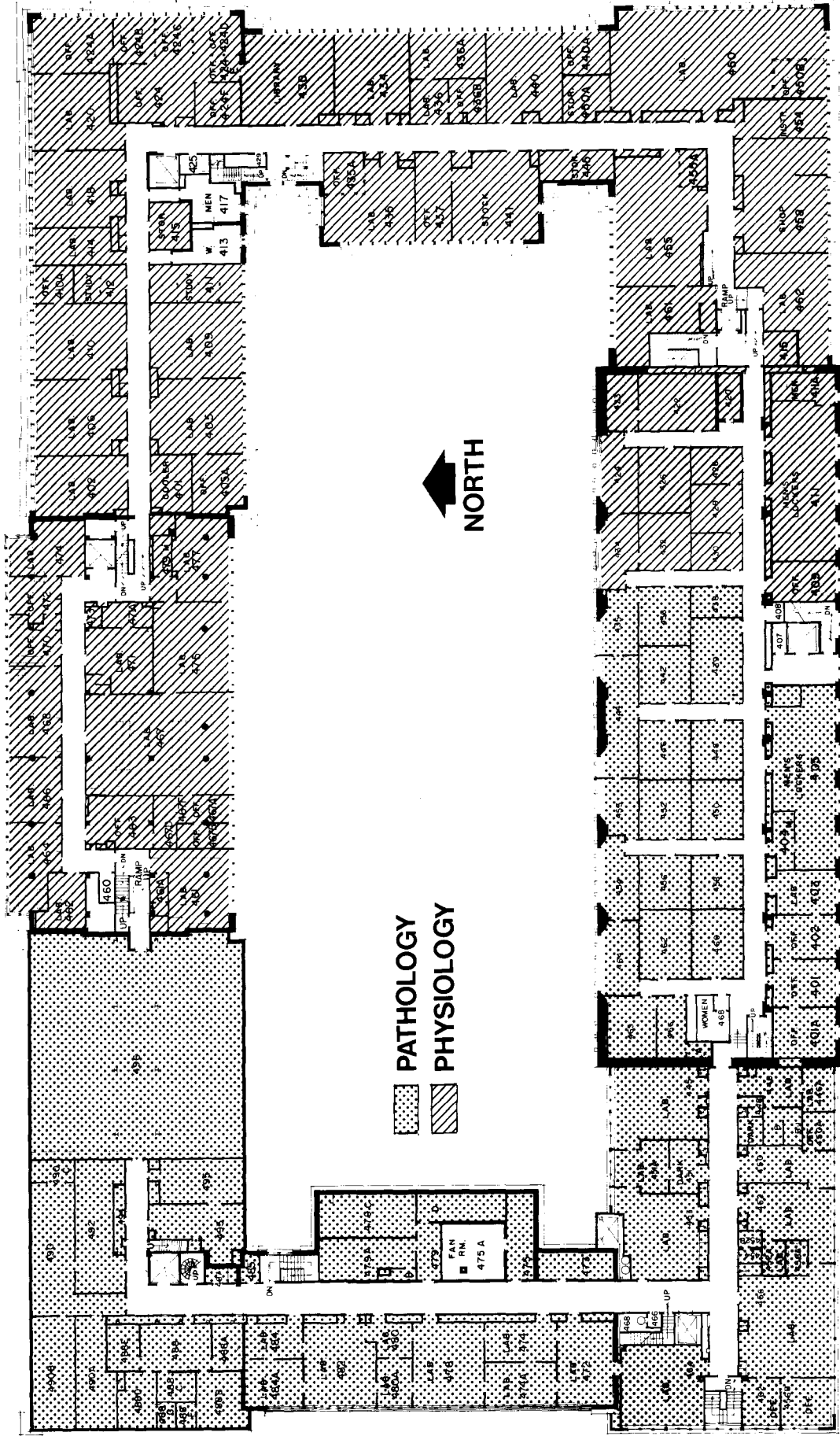
FIRST FLOOR



SECOND FLOOR



THIRD FLOOR

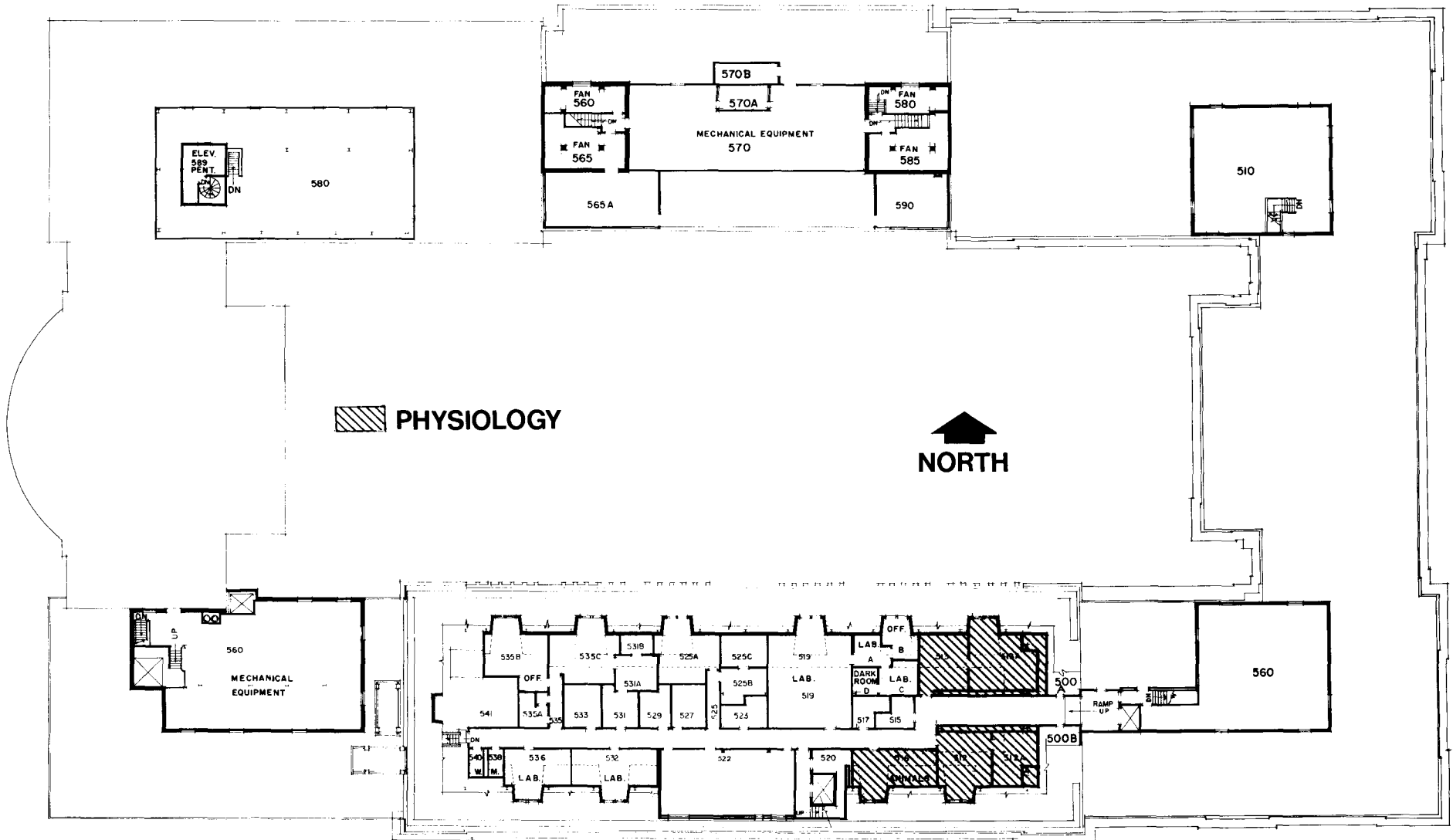


PATHOLOGY

 PHYSIOLOGY

NORTH

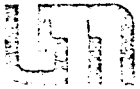
FOURTH FLOOR



 **PHYSIOLOGY**



FIFTH FLOOR



UNIVERSITY OF MINNESOTA

Office of the Vice President for
Finance, Planning and Operations
301 Morrill Hall
Minneapolis, Minnesota 55455
(612) 373-5940

RECEIVED

May 28, 1975

JUN 2 1975

TO: James Nelson, Medical School
Dick Hendricks, Physical Plant
Donald Robertson, Anatomy
James Bodley, Biochemistry
Andreas Rosenberg, Pathology
Nelson Goldberg, Pharmacology
Richard Poppele, Physiology
Dale Stroud, Mortuary Science
Virginia Lewis, Space Programming & Management

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

FROM: James F. Brinkerhoff
Vice President for Finance

SUBJECT: Building Advisory Committee, Jackson/Owre/Millard Complex

I would appreciate your serving as a member of the Building Advisory Committee for the Jackson/Owre/Millard Complex Remodeling under the Chairmanship of Paul Maupin with Virginia Lewis as Executive Secretary.

The Committee's primary responsibility will be to work with the Planning Office and the consultant team, The Architect Collaborative (TAC) and the Health Sciences Architects and Engineers (HSAE) in translating the programmatic planning document into schematic plans and cost estimates. The 1973 legislature provided \$200,000 for this phase of the project.

Mr. Maupin will schedule a meeting of the Committee shortly. If you feel that you are unable to serve on the Committee, please let me know.

cc: Vice President Lyle French
Assistant Vice President Clinton Hewitt
Mr. Paul Maupin
Dr. Milton Trapold

JFB/rs



UNIVERSITY OF MINNESOTA
TWIN CITIES

Health Sciences Planning Office
Physical Planning
Box 75 Powell Hall
4103 Powell Hall
Minneapolis, Minnesota 55455
(612) 373-8981

June 10, 1975

TO: JACKSON/OWRE/MILLARD BUILDING ADVISORY COMMITTEE MEMBERS
FROM: *Paul* J. MAUPIN
SUBJECT: MEETING NOTICE

The newly appointed membership of the Jackson/Owre/Millard Building Advisory Committee will be meeting on Monday, June 16, 1975, at 1:30 p.m. in Room 4112 Powell Hall.

The Committee's primary responsibility will be to work with the Planning Office and the consultant team, The Architects Collaborative (TAC) and the Health Sciences Architects and Engineers (HSAE) in translating the programmatic planning document into schematic plans and cost estimates. The 1973 legislature provided \$200,000 for this phase of the project.

Please make notation of the above schedule on your calendars and plan to attend this first meeting of the new membership.

rm

MINUTES OF

THE JACKSON/OWRE/MILLARD BUILDING ADVISORY COMMITTEE

DATE: June 16, 1975

PLACE: Room 4112 - Powell Hall

MEMBERS PRESENT: Mr. James Nelson; Mr. Dick Hendricks; Mr. Donald Robertson; Dr. Andreas Rosenberg; Dr. Nelson Goldberg; Dr. Richard Poppele; Mr. Dale Stroud; Ms. Virginia Lewis; Mr. Paul Maupin, Chairman

MEMBERS ABSENT: Dr. James Bodley

GUESTS: Dr. Charles Carr, Biochemistry; Mr. Tom Kyle, Health Sciences Planning Office; Ms. Christi Mickely, Health Sciences Space Programming & Management

Mr. Maupin, Chairman, addressed the new membership of the Jackson/Owre/Millard Building Advisory Committee stressing the importance of their appointment as representatives of the Basic Sciences departments in working with the architects in planning and development of the Jackson/Owre/Millard/Lyons remodeling project and in moving forward in an orderly fashion. He stated the University and The Architects Collaborative (TAC) are presently negotiating a contract for the project. There are \$200,000 in legislative funds available for programmatic planning through design development and another \$3.5 million will be requested in legislative funds in January or February, 1976. He pointed out that the recent federal grant application should be upgraded in an effort to justify the request for \$3.5 million. The first phase of the project is to include remodeling and renovation of Dentistry vacated space and to upgrade electrical, environmental control and life safety systems in the complex. Mr. Maupin estimated the cost of upgrading the electrical, environmental control and life safety systems at approximately \$1.0 million. In view of this major expense to be incorporated in the first phase, it will be necessary for each department to define their short and long term goals and to set their priorities in accordance. He stated that if the present federal grant application is granted for \$2.3 million it will be necessary to secure matching funds within one year. The legislative request to be submitted in January or February should be in the working stage by early November; therefore the Committee should move as quickly as possible to develop a stronger request that would include new approaches in justifying the request. He also pointed out that it will be necessary to secure matching funds to meet approved legislative funds. The Health Sciences Planning Office has started to walk and verify space in the complex, and Tom Kyle has begun research in developing the program requirements.

Dr. Goldberg pointed out that it was important not to repeat work already completed by the previous membership of the Committee; however, he felt

it would be in order to review the historical background of the Basic Sciences Council recommendations and decisions, and to clarify what had been planned and promised to the Basic Sciences in the Health Sciences Master Plan and other relevant areas of planning. He also indicated that a \$3.5 million request for legislative funds would be inadequate and encouraged the Committee to examine ways to increase the amount of the request. He suggested that the Committee develop a mission statement and seek wide spread support in their efforts to secure a more favorable and realistic balance of legislative funds to adequately meet the requirements of the Basic Sciences departments. Discussion developed related to various ways the Committee could appeal for broader endorsement in its efforts. Dr. Goldberg volunteered to review the historical background of planning developments and to report back to the Committee in two weeks. The membership agreed to meet on Monday, June 30, 1975, at 1:30 p.m. in Room 4112 Powell Hall.

Corrected Minutes

HSP0:hef

7/10/75

MINUTES OF

THE JACKSON/OWRE/MILLARD BUILDING ADVISORY COMMITTEE

DATE: June 30, 1975

PLACE: Room 4112 - Powell Hall

MEMBERS PRESENT: Dr. Andreas Rosenberg; Mr. Donald Robertson;
Mr. Dale Stroud; Dr. Nelson Goldberg;
Dr. Richard Poppele; Dr. James Bodley; Mr. Dick
Hendricks; Ms. Virginia Lewis

MEMBERS ABSENT: Mr. Paul Maupin; Mr. James Nelson

GUESTS: Dr. Frederic Shideman, Pharmacology; Mr. Tom
Kyle, Health Sciences Planning Office; Ms. Christi
Mickel, Health Sciences Space Programming &
Management

Dr. Goldberg presented a prepared report on the "Historical Background and Related Information Regarding the Development of Basic Sciences in Health Sciences Center Program." He read the report to the committee and gave copies to all members present.

Dr. Frederic Shideman, a guest of Dr. Goldberg, gave a summary and history of the original Jackson/Owre/Millard Committee's efforts and proposals. Dr. Shideman pointed out that the shared classroom space on the first and second floors no longer is shown as shared space and some review and re-planning must be done to accommodate the loss of the space. He felt that it was a very serious problem and considered the project totally invalid with the change (3,000 sq. ft. of shared space).

Different total cost figures were discussed concerning the project. The committee awaits Mr. Maupin's input.

Dr. Bodley agreed to compile a list of questions for the committee to review during the Monday, July 7th, meeting.

The committee read and re-read their letters from Mr. James Brinkerhoff, Vice-President for Finance, asking them to serve on the new committee. This was done in an effort to define their responsibilities. There was much discussion about the committee's role and about the program document. It was agreed to wait to hear from Mr. Maupin in regard to the committee's function.

Mr. Maupin's representative, Mr. Tom Kyle, explained to the committee that the Architectural contract was being re-written to include the necessary phases for a project as unique as this. He further explained that the financing of the project would also be in phases.

The membership agreed to meet on Monday, July 7, 1975, at 1:30 P.M. in Room 4112, Powell Hall to continue the discussions.

HSP0/hef

7/7/75

To: Members of the Jackson/Owre/Millard Building Advisory Committee

From: Nelson D. Goldberg

Date: June 30, 1975

Re: Historical Background and Related Information Regarding the
Development of Basic Sciences in Health Sciences Center Program

The enclosed information was prepared by Dr. Nelson Goldberg at the request of the newly appointed Jackson/Owre/Millard (JOM) Building Advisory Committee for the purpose of establishing the historical background related to the plans and commitments for the future development of the Basic Medical Sciences at the University of Minnesota Health Sciences Center.

In gathering the information a document was uncovered which was prepared for a similar purpose in October, 1973, by the late Dr. Arnold Lazarow for the previous JOM Building Advisory Committee. The information contained in this report summarizes the original intent of the efforts undertaken in behalf of the Basic Sciences starting in 1966 and follows the progression of most of the relevant events until 1973. In reviewing this information there are certain things which stand out and points that can be made that may serve to guide the future efforts of the newly appointed Committee. First, in the mid 1960's there was strong administrative support in the Health Sciences to develop and expand Basic Medical Sciences. This was portrayed as one of the top priority concerns in the overall planning of the new Health Sciences Center and described as such in applications to the NIH in requests for Federal Construction funds for the Center. The brightened outlook buoyed the spirit of the Basic Science Departments and served as an inducement to accept the additional responsibilities that came with the expansion of the class size of both the Medical and Dental Schools. After the initial plans were laid, the progress of the overall effort was slowed because of unexpected limitations in Federal Funding. The top priority consideration of Basic Science development suffered as a result of certain decisions on the part of the new leadership in a newly structured Health Sciences administrative organization and a concerted effort was put forth to secure funds for clinically related projects, namely the construction of Buildings A, B and C.

Second, the report points out that the previous JOM Advisory Committee had expended a great deal of effort in developing plans for the development and expansion of Basic Medical Sciences. The newly appointed Committee should, therefore, be cognizant of this effort and expend its energies not in covering old ground, but in moving ahead. The new effort should, however, take into consideration the experience of the previous Committee and equally important, circumstances presently existing with regard to attitudes of the current administration. For example, is it really true, as implied in the first meeting of this Committee, that the situation has deteriorated to the point where our first task has become one of convincing the present administration of the Health Sciences that basic medical research and teaching are important and that an effort should be put forth in their behalf for

the sake of developing a quality Health Sciences Center. In addition to the historical background presented in the Report of 1973, there are some more recent developments which should be pointed out because they bear directly on the future plans for Basic Science development

A. Recent Legislative Inactivity and Proposed Funding Plans.

The approximate cost of remodeling vacated space previously occupied in Owre Hall by the Dental School and of bringing presently used research and office space in Jackson and Millard Halls up to standard as originally set forth in the plans for the Center is about 25 million dollars. The Governor's message to the legislature in 1975 contained no mention of construction money for Basic Science remodeling and no initiative was taken by the legislature itself to provide funds for this purpose. The legislature has made available considerable sums of money in previous sessions for the construction of Building A and for the planned B and C Buildings - exactly how much should be ascertained. The feeling expressed by the present Health Sciences Administration is that a large request of the legislature at this time for Basic Science remodeling would be unwise considering the large sums already provided by the State for Buildings A, B and C (which, of course, provide no research or office space for Basic Science). The tentative plan put forth to help the Basic Sciences realize the originally promised development and expansion consists of legislative requests of approximately 3.5 million dollars per bienium. Considering that the overall estimated cost is about 25 million dollars, it would require 7 to 8 biennia or 14 to 16 years from now to accomplish the minimum goals originally established. Whereas the plans for development of the clinical components of the Health Sciences Center might suffer a delay of 2 to 4 years because of financial setbacks, the Basic Science component according to this plan would be delayed 15 to 20 years.

B. Deletion of Research Space on the Second Floor of Diehl Hall.

In about May of 1975 notification was received that the space on the second floor of Diehl Hall would not be available for research activities within a year or less because a Learning Center for Medical Students was to be constructed in that area. The Learning Center was indeed an integral part of the Health Sciences development program and its construction will apparently proceed according to the time table originally conceived. Because of the setbacks in Basic Science remodeling, research investigators displaced from the Diehl Hall space have no facilities in the foreseeable future to carry out their federally funded research programs. Approximately 2,000 sq. ft. of second floor Diehl Hall space has been occupied by Pharmacology Staff for at least the past 10 years and they will need some help if they are expected to continue their work at the University of Minnesota. Clinical research personnel from several departments actually occupy a majority of the space on the second floor of Diehl Hall. They are faced with the same dilemma. Considering the pressures they can exert, it will be interesting for this Committee to observe the manner in which this problem becomes resolved; where funds to provide new facilities are obtained and what space is made available. A listing of the departments to be affected by the deletion of research space on the second floor of Diehl Hall is shown on the attached sheet. Inasmuch as this affects Basic Science research activities, it would seem appropriate for this committee to include this as an item for further consideration.

DEPARTMENTS ON SECOND FLOOR DIEHL HALL

<u>Department</u>	<u>Department Head</u>	<u>Future Location</u>
Dermatology	Dr. Robert Goltz 3-8720	Reduced Shell Space in B/C
Lab Medicine	Dr. Ellis Benson 3-8627	B/C finished space
Ophthalmology	Dr. John Harris 3-8842	B/C shell space (using own dept. dollars to finish)
Orthopedic Surgery	Dr. Roby Thompson 3-8420	Space eliminated
Pediatrics	Dr. John Anderson 3-8114	B/C shell space
Pharmacology	Dr. Frederick Shideman 3-3085	Unremodeled JOM
Library		Same Location
Scientific Apparatus		Same Location

DEPARTMENTS BEING MOVED OR HAVING SPACE ELIMINATED

ON FIRST FLOOR DIEHL HALL

Dermatology	Dr. Robert Goltz 3-8720	Space eliminated
Medicine	Dr. Richard Ebert 3-8202	B/C shell space
Surgery	Dr. John Najarian 3-8808	Reduced shell space in B/C

C. Research Facilities for 5 to 6 New Staff Positions To Be Provided the New Head of Biochemistry.

When efforts were initiated to find a new Head for the Department of Biochemistry, one clear objective of the Search Committee was to enlist the support of the administration in helping to bring about a major upgrading of the department and at the same time enhance the attractiveness of the position by providing a significant number of new staff positions that could be filled at the discretion of the newly appointed Head. The prospects of upgrading the Department of Biochemistry, which is truly the keystone of a Health Sciences Center, and the chances of attracting the quality scientific personnel envisaged have been jeopardized by the uncertainty that prevails regarding research facilities for staff and the funds to provide for them.

With the untimely death of Dr. Arnold Lazarow, Head of the Department of Anatomy, the problem of providing quality leadership in Basic Medical Science will become compounded when a search is begun and an effort put forth to attract a new Head of the stature to which our Department of Anatomy has become accustomed.

For the record, it should be stated that a member of the Council of Basic Sciences, Dr. Frederick E. Shideman, Head of the Department of Pharmacology, has been asked to attend the meeting of June 30, 1975, to review for us the relevant events from 1966 to the present and answer questions we may have. Dr. Shideman's participation should provide our Committee with some invaluable first hand information and some degree of continuity in the operation of the newly appointed Advisory Committee.

TO : Members of the Jackson/Owre/Hillard Building Advisory Committee

FROM: Arnold Lazarow

DATE: October 18, 1973

RE : Assignment of the Jackson/Owre/Hillard Building Perspective

The Learn Report 1966:

In accordance with the Hill Manpower Study and their recommendations, the Health Sciences responded by agreeing to expand the number of medical students on the Minneapolis Campus from 160 to 225 and the number of dental students from 120 to 150. Planning committees were appointed under the leadership of Elmer W. Learn to determine the space needs for all units of the Health Sciences as they related to increased programmatic needs. The comprehensive Learn Committee Report was ultimately accepted by the Central Administration and the Board of Regents in February 1967. This report served as the basis for planning the expansion of the facilities for the Health Sciences as they related to additional teaching laboratories and the office and laboratory facilities needed for the increased number of students and the faculty who were to teach them.

Space Increase Recommended in 1966-67:

In December 1966, the Basic Health Science Committee recommended expansion of the Basic Science facilities from 159,600 to 263,150; an increase of 103,550 square feet. This was based on the faculty and space projections (See Appendices 1, 2 and 3) provided by individual departments, and adjusted by the committee-department interactions. During 1967-1968, there were a number of subsequent interactions between the Basic Science Departments, the Dean of the Medical School, the Basic Health Science Planning Committee and the Learn Committee. In September 1968 the final space allocation for the Basic Science Departments was set at 258,000 (less 4,900 for circulation); net 253,000 (See Appendix 4). It should be noted that the number of square feet of space assigned in 1966 and ultimately approved in 1968 conforms quite closely to the HIIH published guidelines for "square feet per faculty member" which includes office, laboratories for research and training graduate students, service facilities, seminar rooms and teaching laboratories.

It should be noted that in the March 1967 recommendation by the Learn Committee, the increased space allotments to the Basic Science Departments were much less (39%) than that allotted to clinical teaching and research (59%), hospital (56%), outpatient clinic (306%), School of Dentistry (252%), School of Nursing (164%), and School of Public Health (112%) (See Appendix 5). The final allotment of 258,000 square feet to the Basic Science Departments on September 18, 1968

October 18, 1973

partially corrected for this inequity and provided a 59% increase in assigned square feet of space. This made the percentage increase for the Basic Sciences equal to that provided for the Clinical Departments and the Hospital.

Increased Teaching Responsibilities of Basic Sciences:

It should be noted that as of September 1973 there were 239 medical students (14 more than projected) and 145 dental students (to be increased to 150 in 1974). Thus the space allotment made in 1968 does not provide for the additional faculty needed to teach the extra medical students who had to be admitted because because of the NIH requirement of a 5% increase in class size (in order to qualify for the capitation grants). Through the Physicians Augmentation Program (PAP) and the Dental Augmentation Program (DAP) the medical and dental class sizes were increased several years before the new facilities were to be completed (1973). Additional staff were also provided through these grants but these faculty members had to be shoehorned into existing facilities for an assumed "two year interim period." The Basic Science faculty was willing to be severely inconvenienced for a limited time in order to provide the additional manpower which was so urgently needed. Unfortunately the office and laboratory facilities for these additional faculty members (as well as for the new faculty members to be appointed in 1973-75) are not yet available. Dean Gault has funded a number of new positions in the Basic Science Departments out of the 1973 Legislative appropriation and additional new positions are to be expected in 1974-75. The remodeling in Jackson/Owre/Millard which was to have been completed in September 1973 should have provided these facilities. The additional faculty members who have been shoehorned into existing space for the past 2 years are very unhappy about this delay. The new faculty members to be appointed in 1973-75 must be provided with office and laboratory facilities. The space made available through the move of Dentistry from Jackson/Owre/Millard had been assigned to the Basic Science Departments for this purpose.

The projected number of faculty positions in the Basic Science Departments expected by July 1974 are tabulated and compared with the number of faculty in 1966 when the original projections were made by the Learn Committee (See Appendix 6).

The overall plan including Buildings A, B and C and the remodeling of Jackson/Owre/Millard were developed in relation to enrollment increases. This plan served as a basis for all subsequent Legislative requests and all presentations to the NIH in the request for matching funds for Units A, B and C.

New Teaching Laboratories in Building A and in Jackson Hall:

New teaching laboratories were planned in Building A for the Basic Science Departments. Although Anatomy was given the opportunity to develop new teaching laboratories in the Building A complex, the Department elected to expand its teaching facilities in its present location for the following reasons:

1. Most of the Gross Anatomy laboratories had been remodeled within the past 10 years and they are adequate for the next 25 years. Additional facilities were to be provided to accommodate the increased numbers of medical and dental students by remodeling two laboratories adjacent to the Gross Laboratories; these were being used as research laboratories. One laboratory was refurbished for medical students (with the remodeling funds provided through the PAP) in

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1971. The second which is urgently needed to accommodate the increased number of dental students now enrolled in the Fall of 1973 had not been remodeled as of September 1973.

2. The supporting facilities for Gross Anatomy, i.e., the Mortuary Unit for anatomical preparation, the embalming facilities and the cadaver storage facilities are very expensive to duplicate. Because Anatomy has a close cooperative arrangement with the school of Mortuary Science, it is desirable that the Anatomy Mortuary Unit be located in close proximity to the School of Mortuary Science teaching laboratories which are also housed in Jackson Hall. The staff of the Mortuary Science Department supervises our Mortuary Unit and embalms our cadavers. In return Mortuary Science uses some of our anatomical material in their teaching program.

In view of Anatomy's decision to expand their teaching laboratories within Jackson Hall, Hugh Peacock and the other members of the Planning Office gave detailed consideration to the phasing of the remodeling in Jackson/Owre/Millard especially as they related to the Anatomy teaching laboratories. Mr. Peacock assured the Anatomy Department that with appropriate scheduling, their additional and remodeled teaching facilities could be completed during the Summer of 1973. We were assured that detailed remodeling plans would be prepared in advance and that this remodeling would be started on July 1, 1973 when the new Legislative appropriation would be available; this work was to have been completed by September 1973. The failure of the 1971 Legislature to appropriate planning funds for Jackson/Owre/Millard made it most difficult for the Department of Anatomy to fulfill its increased teaching commitment to the medical and dental students; these problems are detailed below.

Since only limited planning money was appropriated for Jackson/Owre/Millard in 1973, the urgently needed remodeling of the Anatomy teaching laboratories cannot be initiated until July 1975 at the earliest. This delay has posed a serious hardship. Lacking additional Gross Anatomy laboratories, it would be necessary to assign an extra dental student to each cadaver. This student would have little opportunity to dissect and all of the students would be overcrowded. We have provided a temporary solution by moving the research facilities from Room 374 in Jackson Hall into the former Dental School Library (Room 356). We are doing a minimum of alterations in Room 374 which will permit us to use this room as a dissecting laboratory for the interim period but these facilities are less than adequate.

Justification to NIH and the State Legislative Building Commission:

The office and laboratory facilities for the additional staff relating to the increased number of medical and dental students was the basis for the additional space assignments in Jackson/Owre/Millard to the Basic Science Departments. Since the Basic Science Departments were the first departments to experience the increased numbers of students, the then Dean of the Medical School, Dr. Robert B. Howard, gave the Basic Science facilities (remodeling of Jackson/Owre/Millard for office and laboratories and new teaching laboratories in Building A) top priority in the long range building plans. This was so stated in the presentation to the National Institutes of Health in their request for construction money. Because of the varied sources of matching funds, the Medical School portion went to one committee of the NIH, the Dental School to

October 18, 1973

a second committee; the remodeling funds for Jackson/Owre/Millard were to be provided by the State Legislature. In all subsequent presentations to the Legislature, it was assumed that the State would provide the remodeling money for the Basic Science Departments in Jackson/Owre/Millard. I have no doubt that the matching funds for Building A (and Building B & C if we get them) would not have been cleared by the NIH Project Site Visitors without the assurance that the office and laboratory facilities for the Basic Science Departments would be provided. Likewise the National Advisory Council approved this request on the basis that adequate facilities for Basic Science Departments would be provided in the overall plan.

If the original plan is not to be followed, I would ask whether we are keeping faith with our statements made to the NIH. If we do not provide the facilities for the Basic Sciences in Jackson/Owre/Millard, we will, in my judgment, have obtained the funding for Building A through misrepresentation. In the latest presentation to the State Legislature, the justification for the remodeling funds for Jackson/Owre/Millard was made on the basis of need for office and laboratory facilities for additional Basic Science faculty members employed as a consequence of the programmatic increase in the numbers of medical and dental students (See Appendix 7).

The Reevaluation of Space Assignment in Relation to the Delay in Building B/C:

The Council of Basic Sciences met recently to discuss assignment of space in Jackson/Owre/Millard in relation to the delayed funding of Building B/C. We are unanimous in our opinion that if there must be a reevaluation of space assignment because of delayed funding, the Basic Science Departments would, of course, be willing to share in any space retrenchment that may be necessary provided that all other units of the Health Sciences likewise reevaluate their needs and reduce their space assignments in light of the changed circumstances. This would require the reevaluation of all units in Building A, all existing units in Mayo, Diehl Hall, Powell Hall, the Group Building and any other off campus facilities occupied by the Medical School Departments. If all units of the Health Sciences give up some of their space or reassign some of their existing space on a temporary basis until Building B/C is completed, the Basic Science Departments will also give up some of the space assigned in Jackson/Owre/Millard. Furthermore, if we are required to rejustify our immediate needs for space in light of the changing pattern of Building B/C, then it is essential that all units of the Health Sciences be similarly required to rejustify their needs and their current use of space. This must be applied uniformly throughout the Health Sciences and not just to the Basic Science Departments.

I am enclosing a detailed summary of the space assignments made by the architects in Jackson/Owre/Millard at the time that these plans were submitted to the NIH (See Appendix 8). Although the absolute number of square feet of space assigned to each Department was fixed by the Learn Committee recommendation, the location of the specific departmental space within Jackson/Owre/Millard was not made with any consultation with the Basic Science Department Heads. The architects simply assigned space on their "intuitive judgment." The Basic Science Departments can come up with an alternative space distribution in which the total square footage assigned to each department is arranged in locations adjacent to their existing

October 18, 1973

space and in a way that will provide a better overall unification of departments. There are some discrepancies between the space assigned to the various Basic Science Departments by the architects and that recommended by the Learn Committee but these are relatively minor and can be corrected.

These facts serve as an important basis for discussion and action by this Committee.

AL:jlm

Table 1. Staff Requirements

	Present staff	Unfilled positions	Additional need for 1973	1973 staff	Additional need for 1986	1986 staff
Anatomy	14/3*	0	6/1	20/4	6/1	26/5
Biochemistry	10/1	0	5/5	15/6	3/0	18/6
Microbiology	11/0	0	3/0	14/0	3/0	17/0
Pathology	8/0	2/0	5/0	15/0	4/0	19/0
Pharmacology	9/5	0	2/2	11/7	5/1	16/8
Physiology	16/2	1/0	3/1	20/3	3/1	23/4
Totals	68/11	3/0	24/9	95/20	24/3	119/23

*Numbers above the slant are full-time positions; those below, part-time.

TABLE 1 FROM 1966 BASIC HEALTH SCIENCES COMMITTEE REPORT

Table 2, Space Requirements for Expansion of Existing Programs

Department		Staff lab and office*	Teaching lab	Animal quarters	Dep't office	Seminar room	Totals
Anatomy	Needed now	1,000	-	-	-	-	1,000
	Additional need for 1973	6,500	4,800	1,400	1,400	200	14,300
Biochemistry	Needed now	9,000	-	500	200	1,800	11,500
	Additional need for 1973	6,000	6,000	-	-	-	12,000
Microbiology	Needed now	2,250	-	-	500	-	2,750
	Additional need for 1973	5,250	2,500	1,500	500	250	10,000
Pathology	Needed now	9,000	-	1,000	500	-	10,500
	Additional need for 1973	3,000	1,000	-	-	-	4,000
Pharmacology	Needed now	9,400	-	1,500	1,200	300	12,400
	Additional need for 1973	5,000	5,000	-	-	-	10,000
Physiology	Needed now	2,500	700	1,000	-	-	4,200
	Additional need for 1973	5,800	2,000	2,000	800	300	10,900
TOTAL	Needed now	33,150	700	4,000	2,400	2,100	42,350
	Additional need for 1973	31,550	21,300	4,900	2,700	750	61,200
	Total to 1973	64,700	22,000	8,900	5,100	2,850	103,550

*This column includes areas used in common by entire staff such as cold rooms, radioactive counting rooms, etc. It also includes nearly all graduate student desk and laboratory space.

Table 4. Summary of Space Requirements

For expansion of present programs

	Present Space	Increase Needed now	Additional need for 1973	Total increase	X. 787	1973 Space	Δ
Anatomy	36,200	1,000	14,300	15,300	12,100	51,500	3,200
Biochemistry	23,900	11,500	12,000	23,500	18,500	47,400	5,000
Microbiology	22,400	2,750	10,000	12,750	10,100	35,150	2,250
Pathology	26,800	10,500	4,000	14,500	11,400	41,300	3,100
Pharmacology	18,000	12,400	10,000	22,400	17,600	40,400	4,600
Physiology	32,300	4,200	10,900	15,100	11,700	47,400	3,200
					81,600		
TOTAL	159,600	42,350	61,200	103,550		263,150	
Total (excl. Microbiology)	137,200	39,600	51,200	90,800		228,000	

Other

Laboratory facilities related to joint biomedical-engineering-physiology program-----4,000 ft²

Lecture hall for seating 350 students-----3,000 ft²

Possible 25% expansion of present plus requested animal quarters to conform with new animal legislation-----5,500 ft²

$$\frac{263,150}{291,250} = .90$$

21,950 decrease

HEALTH SCIENCES CENTER SUMMARY OF PROGRAM AREAS

	<u>Existing Area</u>	<u>1973 Working Program Area</u>	<u>INCREASE</u>
2. BASIC SCIENCES ;	160,495	258,000	
2.1 Anatomy	(36,448)	(51,612)*	15,164 4
2.2 Biochemistry	(23,395)	(45,340)	21,965 9
2.3 Microbiology	(22,383)	(32,600)	10,217 11
2.4 Pathology	(26,804)	(38,301)	11,497 14
2.5 Pharmacology	(19,187)	(38,841)	19,654 10
2.6 Physiology	(32,278)	(46,406)	14,128 14
Interdepartmental circulation		(4,900)	<u>97,505</u> 5

*1973 working program areas are net program areas less 10% of net new space for interdepartmental circulation as noted in the Health Sciences Planning Report, June 1968

TAC September 18, 1968

FINAL SPACE ALLOTMENT - SEPTEMBER 1968

Table 4. Editing committee's proposal for space increases in the major elements of the health sciences.

	Present space	Proposed space	% increase
Basic sciences	160,500	223,200	39
Clinical teaching and research	238,400	380,200	59
Hospital	469,300	733,400	56
Outpatient clinics	25,400	103,200	306
School of dentistry	63,200	222,400	252
School of nursing	12,500	33,000	164
School of public health	40,500	85,700	112
TOTALS	1,009,800	1,781,100	76

*Increase in nursing, dentistry & school of
 Public health have an inherent increase
 in need for basic science. Working committee
 T. stay and T. spec.*

LEARN COMMITTEE ACTION

ITEM 2 BASIC SCIENCES REMODELING

REQUEST \$1,600,000

HISTORY

No previous requests.

DETAIL OF THIS REQUEST

This request is for the remodeling and rehabilitation of the laboratories and teaching spaces in the Owre-Jackson-Millard complex. This complex will be vacated by the School of Dentistry upon completion of Unit A (Item I) and will provide room for the expansion of the Basic Science programs to attain student enrollment projections of the Phase I expansion program presented to the legislature in 1969 and 1971. Portions of this request will be used for mechanical and electrical renovation funds and for increased chilled water capacity in the Jackson-Owre-Millard Hall complex.

The large teaching laboratories for the Basic Sciences will be located in Unit A, but faculty offices, laboratories and teaching spaces will remain in the Owre-Jackson-Millard complex.

This request is for about 22% of the necessary funds to remodel the area. The balance will be requested in the 1975 Legislative Session.

BASIS FOR REQUEST

The six major Basic Science departments at the University; Anatomy, Biochemistry, Microbiology, Pathology, Pharmacology and Physiology, as well as the departments of Behavioral Science, Biostatistics, and Human Genetics provide basic courses for professional students in all units of Health Sciences. This utilization is heaviest in the first two years of their curriculum. Thus the ability to expand the number of students in Health Sciences is directly related to the facilities for teaching and research available to the Basic Sciences.

For example, the approved expansion of the Medical School classes from 160 to 227 students and the expansion of the Dental School classes from 700 to 948 students will require parallel expansion of Basic Science facilities to handle the general medical and scientific education of these students.

In addition, the departments in Basic Sciences must continue to provide graduate teaching and research facilities for students in their fields. These Basic Science facilities are utilized for research in fields such as cancer prevention and treatment, heart research, drug action and abuse, life systems, etc.

ITEM 2 BASIC SCIENCES REMODELING (continued)

Research is the key to all of our disease problems and without adequate faculty, facilities and service we cannot fulfill this research. The base foundation for all of these research elements is within Basic Sciences.

COST ESTIMATES

Remodeling cost	\$6,070,500
Non-building cost	<u>1,129,500</u>
Construction scheduled Sept.1974-Jan.1976	\$7,200,000
1973 State Request	\$1,600,000
1975 State Request	<u>5,600,000</u>
Total Estimated Cost	\$7,200,000

142,000 Gross Sq. Ft. = \$42.75/G.S.F.

81,000 Assignable Sq. Ft. = \$74.94/A.S.F.

SP RELEASED FOR OTHER USE

none

UNIVERSITY OF MINNESOTA
TWIN CITIES

Department of Pharmacology
Medical School
105 Millard Hall
Minneapolis, Minnesota 55455
(612) 373-3085

RECEIVED

JUL 10 1975

UNIVERSITY OF MINNESOTA
MEDICAL SCHOOL
DEPARTMENT OF PHARMACOLOGY

3 July 1975

Mr. Paul J. Maupin
Coordinator
Health Sciences Planning
4103 Powell Hall

Dear Mr. Maupin:

At the June 30, 1975 meeting of the Jackson-Owre-Millard Building Advisory Committee, I raised the question of when classrooms located in the JOM complex, and assigned to the various departments, would be rekeyed for departmental use. Some discussion followed my question, but no recommendations were made. I would now like to formally request that rooms 118, 119 and 128 Millard Hall and 117 Owre Hall be immediately rekeyed and made available to the Department of Pharmacology. I am not including rooms 111 and 113 Owre Hall (also assigned to us) because they have slanted floors and would be difficult to use without major renovation.

Currently one of our faculty members (Dr. Sparber) is conducting his research and training activities on the second floor of Diehl Hall. Present plans associated with B/C construction dictate that he vacate the area by the spring of 1976. We have no space for him in our present area, and are hoping that some classroom space can be used to accommodate his needs. However, before any plans can begin on utilization of the rooms, we should have formal approval to occupy the area.

I am requesting that you take the necessary action to have the above mentioned classrooms rekeyed and formally reassigned to us for immediate use by the Department of Pharmacology.

Sincerely,



F. E. Shideman, M.D., Ph.D.
Professor and Head
Department of Pharmacology

FES/mm

cc: J. Bodley
N. Goldberg
R. Poppele
D. Robertson
A. Rosenberg



UNIVERSITY OF MINNESOTA
TWIN CITIES

Health Sciences Planning Office
Physical Planning
Box 75 Powell Hall
4103 Powell Hall
Minneapolis, Minnesota 55455
(612) 373-8981

*JOM & - Correspondence
University*

July 11, 1975

TO: Harvey Jaeger
503 Morrill Hall

FROM: Tom Kyle *Tom*
4107 Powell Hall
376-5571

SUBJECT: Jackson/Owre/Millard/Lyon's Renovation

We are presently engaged in preparing a program report for the design/development of the Jackson/Owre/Millard/Lyon renovation and would appreciate it very much if someone on your staff could provide us with a progress, or status, report of the projects you now have under way in the complex.

We have also been informed that no further remodeling of any kind is to be performed or considered without the approval and knowledge of this office. This is to ensure that all projects will be included and considered in the scope of the entire renovation program.

We appreciate your help in these matters and if you have any questions please give me a call.

TK:hef

cc: Paul Maupin

MINUTES OF

THE JACKSON/OWRE/MILLARD/LYONS BUILDING ADVISORY COMMITTEE

DATE: July 14, 1975

PLACE: Room 4112 - Powell Hall

MEMBERS PRESENT: Mr. James Nelson; Mr. Donald Robertson; Dr. Nelson Goldberg; Dr. Richard Poppele; Mr. Dale Stroud; Dr. James Bodley; Ms. Virginia Lewis; Mr. Paul Maupin, Chairman.

MEMBERS ABSENT: Dr. Andreas Rosenberg; Mr. Richard Hendricks

GUESTS: Mr. Tom Kyle, Health Sciences Planning Office

Dr. Goldberg asked Mr. Maupin to clarify the previous committee's position on the shared classroom space on the first floor of Owre Hall. Mr. Maupin read a statement contained in the May 15, 1974, committee letter to Vice President Brinkerhoff, which read:

"Existing shared classrooms, the fifth floor swing space shall remain as current used space pending the judgement of the architects and the University facilities utilization study."

It was understood that the space would be assigned to Pharmacology after comparable space is provided in the basement of Owre Hall to replace the shared classroom space. Ms. Virginia Lewis was requested to meet with Ms. Elizabeth Grunder in Central Scheduling to discover the use and frequency of use of the multipurpose classrooms, and to report back to the committee at the next meeting.

Mr. Donald Robertson made a motion that this committee approve the schematics of July, 1974, consisting of assignments for the Jackson/Owre/Millard/Lyons complex, pending future agreement with Mortuary Science to bring their total assignment up to 3400 square feet, and that this document here to for will be referred to as 'The July 1974 Plans'. The motion was passed after some debate.

Dr. Poppele made a motion that Ms. Virginia Lewis, Space Management and Programming, make assignments in Jackson/Owre/Millard/Lyons of space vacated by the Dental School and other space considered multipurpose as per the approved July, 1974, plans. This motion also passed after some debate.

Mr. Tom Kyle, Health Sciences Planning Office, presented an outline of the requirements for the programmatic planning of the Jackson/Owre/Millard/Lyons complex. He requested that members of the committee assign themselves areas of the outline to develop. This was done.

The committee then decided to meet again on Monday, July 28, 1975, at 1:30 P.M. in Room 4112 Powell Hall.

HSP0:hef



UNIVERSITY OF MINNESOTA
TWIN CITIES

Department of Laboratory Medicine and Pathology
Medical School
Box 198 Mayo Memorial Building
Minneapolis, Minnesota 55455
(612) 373-8623

July 15, 1975

RECEIVED
JUL 17 1975
UNIV. OF MINN.
HEALTH SCIENCES
PLANNING OFFICE

Mr. Harvey Jaegar
Coordinating Architect
Physical Planning Office
503 Morill Hall

Dear Mr. Jaeger:

Last October our department requested from Dr. Paul Maupin, Coordinator of the Health Sciences Planning Office, permission to remodel Room 405 Owre Hall, a former locker room facility for the School of Dentistry, for use as our departmental accounting offices. We felt a pressing need for a centralized accounting and administrative center for both a more efficient internal operation and to alleviate the various internal space problems. Dr. Maupin, at that time, asked us to wait with our plans until the legislative request was made for funds to update and remodel the Owre-Millard-Jackson complex. When it became evident that these funds were not forthcoming, Dr. Maupin gave his approval for our remodeling plans in 405 Owre to proceed and we, then, did process the proper documents to initiate this action.

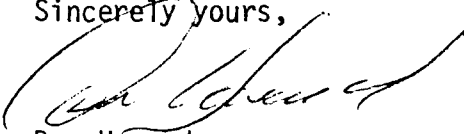
Mr. Joel Premelaar, Engineer from the Design and Drawing Office, did come and visit with Mr. Michael Nemcek, Administrator for the department, and helped to formalize plans with regards to remodeling this particular space. He did indicate that the changes being requested were of such a nature that we could realistically look toward September 1 as the completion date for the project.

Because of a severe shortage of available space for our department and the arrival of several new faculty members on July 1, 1975, we were encouraged by his projections on the remodeling project as we desperately needed use of this space to enable reassignment to these new faculty members of the several offices currently being used by the accounting staff.

We have processed the proper authorizations, encumbered the necessary funding and have had design people view the space for both the general construction and mechanical construction areas. We are now led to believe, however, that a design person in the electrical area will not be available to us until September 1. This delay in the design work and the subsequent delay in the remodeling efforts of 405 Owre Hall would cause a severe hardship on the Department of Laboratory Medicine and Pathology. As I did indicate, we have new faculty that are currently without adequate space for offices as well as research endeavors. Until we can utilize 405 Owre Hall, this hardship will continue.

We did feel confident in April to plan toward utilizing 405 Owre by September 1, after discussing our plans with Mr. Premelaar. If there is to be a delay in the design work, I would appreciate the opportunity to discuss the situation with you. It is very important that the work move ahead without additional delay. I look forward to your comments and suggestions regarding this matter.

Sincerely yours,



Don Howard
Administrative Director

DH:kp

cc: Dr. Paul Maupin, Mr. Michael Nemcek



UNIVERSITY OF MINNESOTA
TWIN CITIES

Health Sciences Planning Office
Physical Planning
Box 75 Powell Hall
4103 Powell Hall
Minneapolis, Minnesota 55455
(612) 373-8981

July 16, 1975

TO: Mr. James Nelson, Mr. Donald Robertson, Dr. Andreas Rosenberg, Dr. Nelson Goldberg, Dr. Richard Poppele, Mr. Dale Stroud

FROM: Tom Kyle, Health Sciences Planning Office
4107 Powell Hall - 376-5571

SUBJECT: Jackson/Owre/Millard/Lyon Renovation by Department

In going over the questionnaires for the Jackson/Owre/Millard/Lyon renovation it has become apparent to us that it does not supply enough information to arrive at a physical proposal. Most of the information relates to existing rooms but does not generally give a good impression of the departments proposed use of its new space allocation, nor do they illustrate how extensive the existing space is to be physically changed.

The Department of Biochemistry provided us with a floor plan illustrating their proposed use of their allocated space; it was most helpful. Perhaps we could get together with each department and do the same. We understand that not all the departments are planning drastic physical changes but most are considering some wall and room changes. These facts are only partially exposed in the questionnaires and that is why we need to develop some schematic plans by department.

Each department probably already has a rough idea of what they need, and all we have to do is transfer that to a schematic. None of this has to be to scale for the architects will be responsible for the actual development, but at the moment we are unable to furnish any input into a plan.

We could meet and then trace over the area to be considered in the departments. Then our office will refine it for the planning document. We will call in the next few days to set up meetings.

If you have any questions, please give us a call.

TK:jam



UNIVERSITY OF MINNESOTA
TWIN CITIES

JOML-Classrooms

Division of Space Programming and Management
Office of Physical Planning
4116 Powell Hall
Minneapolis, Minnesota 55455
(612) 373-9673

RECEIVED

JUL 21 1975
UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

July 17, 1975

TO: Miss Betty Grundner
FROM: Virginia Lewis *al*
SUBJECT: Multipurpose Classrooms in Jackson/Owre/Millard/Lyons
Complex

It was the understanding of the Basic Science Departments of the Medical School housed in Jackson/Owre/Millard/Lyons that when the Dental School relinquished space and moved to Unit A all classrooms would also be relinquished and reassigned for Basic Science Department space. It was understood that there would be enough classrooms in Unit A

Since these classrooms are currently being scheduled the Jackson/Owre/Millard/Lyons Advisory Committee has directed me to ask you for a utilization of these classrooms including the following information:

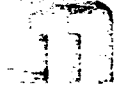
- (1) How are these classrooms scheduled?
- (2) What is your plan for scheduling?
- (3) To whom are they scheduled?
- (4) What problems if removed as classrooms?
- (5) How soon could they be removed as classrooms?

Timing for the planning of the renovation of the Jackson/Owre/Millard/Lyons complex is crucial at this time. Could we please have this information by our July 28, 1975, meeting.

Thanks for your valuable assistance.

cc: Milt Trapold

→ Paul Maupin - chairman Jackson/Owre/Millard/Lyons Building
Advisory Committee



UNIVERSITY OF MINNESOTA
TWIN CITIES

JMD - Classrooms

Health Sciences Planning Office
Physical Planning
Box 75 Powell Hall
4103 Powell Hall
Minneapolis, Minnesota 55455
(612) 373-8981

July 17, 1975

Dr. F. E. Shideman
Professor and Head
Department of Pharmacology
Medical School
105 Millard Hall

SUBJECT: Millard Hall and Owre Hall Classrooms

Dear Dr. Shideman:

Responding to your letter dated July 3rd, 1975, regarding the above subject. Currently and for the next academic year these shared classrooms are under the control of Space Allocation and Classroom Scheduling.

The Jackson/Owre/Millard/Lyons Building Advisory Committee shall take the necessary action to attempt to acquire these classrooms for future reassignment.

Yours truly,

Paul J. Maupin
Health Sciences Planning Coordinator
Health Sciences Planning Office

PJM:hef

cc: Dr. James Bodley
Dr. Nelson Goldberg
Dr. Richard Poppele
Dr. A. Rosenberg
Mr. Donald Robertson



DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

REGIONAL OFFICE

300 SOUTH WASHINGTON DRIVE
CHICAGO, ILLINOIS 60606

JOMR - Funding

*of
DRP*

Our Reference:
05C000070-01 PEC05

JUL 21 1975

PUBLIC HEALTH SERVICE
Div. Resources
Development

JOM



Clinton T. Johnson, Asst. Vice President
Business Administration and Treasurer
University of Minnesota
302 Morrill Hall
Minneapolis, Minnesota 55455

Dear Mr. Johnson:

We are pleased to advise you that your construction grant application for assistance in fiscal year 1975 for the development of Basic Science has been approved and placed on the Active Funding List, in an amount not to exceed \$2,362,338 for the School of Medicine.

Such advice of approval and placement on the Active Funding List should not be construed as the Notice of Grant Award. This letter constitutes an assurance that the grant funds specified above are available for obligation and have been reserved for the funding of your project, contingent upon the compliance with all Program Regulations, policies, and procedures, including the availability of matching funds and environmental clearance. Also the project must be developed to the point of construction bid advertising within twelve (12) months from the date of this letter. The construction grant will be offered after (1) the results of bidding have been obtained; (2) the Construction Project Cost Report (PHS-6008-2) has been submitted; and (3) the Federal concurrence to award the construction contract has been issued.

It is requested that you advise us within 30 days from the date of this letter, your acceptance or declination. If we have not received a response, then we will remove your institution from the Active Funding List.

Upon receipt of your letter accepting the grant commitment, we will contact you at an early date to arrange a meeting at which time we will discuss procedures relating to federally assisted construction and provide you with a Program Guide, and the applicable Minimum Standards of Construction.

page 2

Please do not hesitate to communicate with this office or my staff, if any questions should arise in connection with your project.

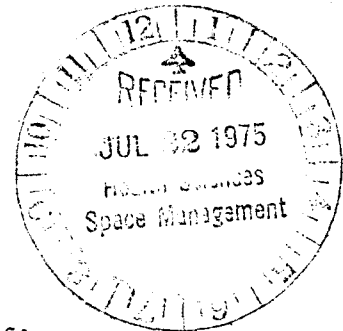
Sincerely yours,

Catherine T. Bartley

Catherine T. Bartley, Chief
Grants & Contracts Management Branch

cc: V.E. Scott, Federal Projects Coordinator
Robert F. Hendrickson, Ph.D., Ed. Specialist

July 21, 1975



MEMORANDUM

TO: Virginia Lewis

FROM: Elizabeth L. Grundner, Admissions and Records Officer

SUBJECT: Owre - Jackson - Millard Scheduling

I believe the following chart answers your query regarding general purpose classroom scheduling in Owre-Jackson-Millard. The rooms are listed by capacity from Owre 15 (300 capacity) to Millard 119 (15 capacity).

Total Hours of Utilization *per week*

	Fall <u>1974</u>	Winter <u>1975</u>	Spring <u>1975</u>	*Fall <u>1975</u>	Average <u></u>
✓ Owre 15 <i>300</i>	27	28	28	23	27
✓ JacH 74 <i>200</i>	30	34	33	18	29
✓ Owre 12 <i>153</i>	22	11	24	22	20
Owre 113 <i>150</i>	21	32	36	25	29
Owre 111 <i>150</i>	23	26	36	23	27
Mlrd 213 <i>90</i>	32	30	25	32	30
Owre 117 <i>150</i>	26	34	27	27	26
Mlrd 128 <i>25</i>	25	26	22	14	22
Mlrd 118 <i>25</i>	14	33	14	18	20
Mlrd 119 <i>15</i>	8	11	12	8	10

*Fall Quarter 1975 figures are those of July 15, 1975. No official figures will be available until after the quarter begins.

Obviously we need all of the present rooms, except perhaps Millard 119. None of the rooms can be given up unless adequate replacement space is found.

Both health science and non health science classes use the rooms. Among the health science units Public Health and the allied health sciences use Owre-Jackson-Millard most heavily.

ELG/jep

cc: Milton Trapold
Paul Maupin

Phase 2a to Annual

3

3

3

MINUTES OF

THE JACKSON/OWRE/MILLARD/LYONS BUILDING ADVISORY COMMITTEE

DATE: July 28, 1975

PLACE: Room 4112 - Powell Hall

MEMBERS PRESENT: Mr. Richard Hendricks; Mr. James Nelson;
Dr. Richard Poppele; Mr. Dale Stroud; Dr. James
Bodley; Ms. Virginia Lewis; Mr. Paul Maupin,
Chairman

MEMBERS ABSENT: Dr. Nelson Goldberg; Dr. Andreas Rosenberg;
Mr. Donald Robertson

GUESTS: Mr. Tom Kyle, Health Sciences Planning Office
Mrs. Christi Mickel, Space Programming and
Management

Most of this meeting was taken up by theoretical discussions of what could and should be done to the complex with the 7.5 million proposed budget.

Dr. Bodley was asked to summarize the mornings meeting of the Basic Science Council. He explained that the council understood the project is for vacated space only and that the projected cost is 7.5 million. Also, it was understood that modifications could be made after being submitted to H.E.W.

Department representatives were asked by Mr. Kyle if they could set up individual meetings to discuss programs and priorities per department. Mr. Kyle said he would set the meetings up through the Health Sciences Planning Office.

Dr. Bodley requested rough cost estimates from Mr. Kyle and it was agreed to provide them at the next meeting.

Dr. Bodley and Dr. Poppele suggested that the architects attend the meetings as soon as possible and it was agreed that they would once the contract agreements were finalized.

All present suggested an interim meeting at 3:00 P.M., Monday, August 4, 1975, and it was agreed upon by all.

MINUTES OF

THE JACKSONS/OWRE/MILLARD/LYONS BUILDING ADVISORY COMMITTEE

DATE: August 4, 1975

PLACE: Room 4112 - Powell Hall

MEMBERS PRESENT: Mr. James Nelson; Dr. Richard Poppele;
Dr. James Bodley; Mr. Paul Maupin, Dr. Andreas
Rosenberg; Mr. Donald Robertson;

MEMBERS ABSENT: Mr. Richard Hendricks; Mr. Dale Stoud;
Ms. Virginia Lewis; Dr. Nelson Goldberg;

GUESTS: Dr. Frederick Shideman, Pharmacology,
Mr. Tom Kyle, Health Sciences Planning
Office, Mrs. Christi Mickel, Space Pro-
gramming and Management, Mr. Earl Burger,
Mortuary Science

Mr. Maupin, Chairman, stated that a letter to the architects has been sent indicating that the JOML project must be developed to the point of construction bid advertising by July 21, 1976.

Dr. Bodley feels that the architects must be hired as soon as possible because the longer the wait, the higher the cost. Mr. Maupin pointed out that there is a construction slump and the bids should be lower.

Dr. Bodley would like to meet with the architects to discuss his requirements. He feels he will not be able to satisfy the accreditation team inspection.

Mr. Maupin stated that this committee must face the Department of Pharmacology's 9,000 sq. ft. shortage and work out a compromise before the architects will meet with the committee. The shortage is due to the unexcavated space in the courtyard and the shared classrooms.

Mr. Maupin appointed Mr. Robertson and Mr. Kyle to work up percentage figures for each of the departments as to how much space each department must release to make up the 9,000 sq. ft. difference. They will present these at the next meeting.

Mr. Kyle presented his preliminary rough cost estimate figures (not including OSHA). They are as follows:

<u>Department & Square Feet</u>	<u>Budget of \$1,970,688.00</u> <u>Per HEW Application</u>
Pharmacology 12,000 sq. ft.	15%* of sq. ft. = \$282,478
Biochemistry 14,500 sq. ft.	18% of sq. ft. = \$338,973
Anatomy 22,000 sq. ft.	27% of sq. ft. = \$508,460
Pathology 4,600 sq. ft. - Offices 9,900 sq. ft. - Labs	.06% = \$112,991 12% = \$225,982
Physiology 14,500 sq. ft.	18% of sq. ft. = \$338,973
Mortuary Science 2,500 sq. ft.	.04% of sq. ft. = \$75,327
Classrooms 2,500 sq. ft.	.04% of sq. ft. = \$75,327
Total -	\$1,958,511

Temporary animal quarters were discussed. Animals could possibly be housed in the interim animal facility on the St. Paul campus. The departments expressed interest in remaining in close proximity to the labs.

The purpose of the committee was again mentioned. Mr. Maupin requested that the following paragraph from Vice President James Brinkerhoff's letter of May 28, 1975, be incorporated into the minutes:

"The Committee's primary responsibility will be to work with the Planning Office and the consultant team, The Architect Collaborative (TAC) and the Health Sciences Architects and Engineers (HSA&E) in translating the programmatic planning document into schematic plans and cost estimates. The 1973 legislature provided \$200,000 for this phase of the project."

The next meeting will be scheduled after the Basic Science Council receives a response from Dr. Lyle French and Dean Neal Gault concerning the shares classroom space.

*All percentages are taken from 81,000 sq. ft. to be renovated.

HSP0:jam



UNIVERSITY OF MINNESOTA
TWIN CITIES

*JOML- Architect
Correspondence*

Health Sciences Planning Office
Physical Planning
Box 75 Powell Hall
4103 Powell Hall
Minneapolis, Minnesota 55455
(612) 373-8981

August 4, 1975

Mr. John Scott
The Architects Collaborative
46 Brattle Street
Cambridge, Massachusetts 02138

Subject: Unit F and Jackson/Owre/Millard/Lyons Remodeling

Dear John:

The above subject projects have been approved by HEW and placed on the active funding list. These two projects must be developed to the point of construction bid advertising by July 21, 1976.

Unit F - Health Sciences Total project estimated \$20,948,938.
Federal Project #05C000063-01-HP 05000077-01-N

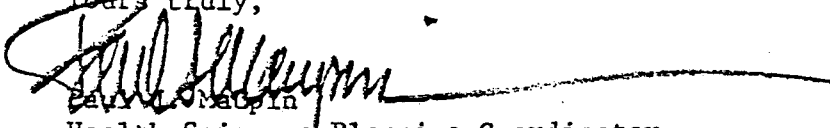
Funding:	\$318,000	State Appropriation '69
	1,351,400	State Appropriation '71
	4,288,811	Federal Grant - Pharmacy
	4,395,412	Federal Grant Request - Nursing
	<u>10,595,315</u>	Proposed '76 State Legislative Request
	\$20,948,938	

Remodeling - Jackson/Owre/Millard/Lyons - Total project est. \$7,499,488.
Federal Project #05C000070-01

Funding:	\$200,000	State Appropriations '73
	2,362,338	Federal Grant '75
	<u>4,937,150</u>	Proposed '76 State Legislative Request
	\$7,499,488	

The above obviously dictates the development of a rigid design schedule we must all adhere to. Therefore please indicate in writing your acceptance of these projects, design schedule, funding schedule required between now and July 21, 1976, and your key personnel for each project.

Yours truly,



Paul H. Magrin
Health Sciences Planning Coordinator
Health Sciences Planning Office

PJM:hef

cc: Clinton N. Hewitt
Dr. Lyle French
Eugene Kogl
Dick Hammel

ADDENDUM TO THE MINUTES OF THE JULY 28, 1975,

JACKSON/OWRE/MILLARD/LYONS BUILDING ADVISORY COMMITTEE MEETING

DATE: August 5, 1975

It will be included in the minutes:

Virginia Lewis, Health Sciences Space Allocation, reported on her meeting with Elizabeth Grunder and Milt Trapold and passed out a report from Elizabeth Grunder on the Jackson/Owre/Millard/Lyons classroom utilization. The report listed the classrooms and the number of students per week. Central Scheduling expects to keep all classrooms as present utilization unless classrooms are replaced somewhere in the complex.

jam

RECEIVED

AUG 10 1975

UNIV. OF MICHIGAN
HEALTH SCIENCES
BUILDING ADVISORY COMMITTEE

JOML Council of Basic Health Sciences
RECEIVED

M I N U T E S
Council of Basic Health Sciences
August 5, 1975

AUG 8 1975
UNIV OF MN
HEALTH SCIE.
PLANNING OFF.

Present: Drs. Bodley, Brown, Carr, Grim, Shideman, Smithberg,
Watson and Mr. Kyle

Dr. Shideman began the meeting by indicating that with known and possible further reductions in space available in the JOML complex for assignment to the Basic Science departments it would be necessary to revise our previous allocations. Dr. Bodley, who will serve in a liaison capacity between the JOML Advisory Committee and the Council, briefly reported on the activities of the former. He noted that as yet no contract had been signed with the architects for the JOM remodeling. On the basis of rough cost estimates he believes that no more than about 2.0 million of the 7.5 million to be allocated for this construction would be available for the actual remodeling. The remainder would be required for air conditioning, electrical work, meeting OSHA standards, contingency costs, etc. He seriously doubted that with this amount of money the minimal needs of the departments could be met in the vacated space.

Dr. Grim asked whether we might be able to obtain cost estimates for remodeling all of the vacated space in the JOM complex to make it minimally useful to the various departments. This question was left unanswered but it was the consensus of the group that such data should be sought. It also was agreed that revision of space allocation be undertaken

in line with available space, once this has been determined. Dr. Bodley indicated the JOML Advisory Committee in conjunction with Mr. Kyle and the chairman of the Council would make some alternative proposals for such allocation which would be submitted to the Council for its subsequent consideration and approval.

In view of the comments regarding the adequacy of the expanded space for basic sciences made in connection with the last accreditation visit to the Medical School, the Council believes that the current situation with respect to remodeling should be brought to the attention of the Liaison Committee on Medical Education at the time of its visit next October.

The performance of our students this past June on Part I of the National Board Examination was briefly discussed.

Dr. Smithberg expressed concern over the scheduling of one hour of the recently introduced Health Sciences Time Window during an hour of required laboratory time in Anatomy. It was suggested he ask the Educational Policy Committee to resolve this problem.

Beginning in September the Council will meet regularly every Friday at 11:30 in the Campus Club except during those weeks when the Administrative Board meets.



UNIVERSITY OF MINNESOTA
TWIN CITIES

Department of Pharmacology
Medical School
105 Millard Hall
Minneapolis, Minnesota 55455
(612) 373-3085

TO: Members of the Council of Basic Sciences

FROM: F. E. Shideman

Mr. Maupin will be able to meet with us on Monday, July 28 at 10:00
am.m We will meet in Room 102 Millard Hall.

RECEIVED
JUL 24 1975
UNIV OF MINN.
HEALTH SCIENCES
PLANNING OFFICE

Office of the Dean

August 8, 1975

RECEIVED

AUG 13 1975

UNIV. OF MINN.
HEALTH SCI.
PLANNING OFFICE

Dr. F. H. Shideman, Chairman
Council of Basic Health Sciences
105 Millard Hall

Dear Dr. Shideman:

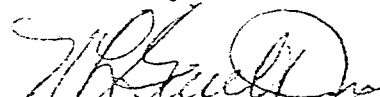
In the planning now underway to utilize vacated space in the Jackson-Owre-Millard complex, the Council raised a question concerning assignment of space on the 5th floor of Owre. This area of 3,536 sq. ft. was identified by the Council in its earlier deliberations as not needed to meet the projected square footage required by the departments. Now, planning has eliminated what was thought to be available space in the inner court area (below ground); this loss of space will reduce allocation of projected needs of one or more departments (3,964 sq.ft.).

Furthermore, loss of footage on the first floor due to retention of classrooms also threatens the distribution plan previously approved. I believe we can overcome this and this office will be working to gain this space for departmental use.

This letter is to advise you and the Council that I believe I must have the 3,536 sq. ft. on the 5th floor of Owre*for assignment to a person who will accept the position as Head of the Department of Biochemistry. The Council had previously endorsed this usage. That endorsement was given by the Council when it was thought 4,000 sq. ft. of space would be available in the inner court. I see this decision as critical to the recruitment of a biochemist. I see the use of this space as an interim measure until planned biochemistry space is upgraded. At that time, priority use of the 5th floor will, I'm sure, be given to critical needs of the basic health sciences.

Space management and assignment is actually a responsibility of other offices within the University. As Dean, I will urge the above policy be supported by the Vice President for Health Sciences.

Yours truly,



N. L. Gault, Jr., M.D.
Dean

*OWRE 515, 517, 519, 519A, 519B, 519C,
519D, 523, 525, 525A, 525B, 525C,
527, 529, 531, 531A, 531B, 532, 533,
535, 535A, 535B, 535C, 536.

cc: Vice President Lyle A. French
Mr. Paul Maupin
Dr. E. W. Drehmel

HEALTH SCIENCES CENTER





UNIVERSITY OF MINNESOTA
TWIN CITIES

Health Sciences Planning Office
Physical Planning
Box 75 Powell Hall
4103 Powell Hall
Minneapolis, Minnesota 55455
(612) 373-8981

August 15, 1975

Mr. James F. Brinkerhoff
Vice-President of Finance
Planning and Operations
301 Morrill Hall

SUBJECT: Jackson/Owre/Millard/Lyons Remodeling Project

Dear Jim:

In responding to your request, regarding the above subject, we provide the following for your information.

The late Dr. Arnold Lazarow prepared the attached report (Attachment I). The information contained in this report summarizes the original intent of the efforts undertaken in behalf of the Basic Sciences starting in 1966, and follows the progression of most of the relevant events until 1973.

The second attachment (Attachment II) is a section out of our current approved HEW grant that may be pertinent to your request.

The JOML advisory committee is moving reasonably well considering the complexity of this project. Our current schedule indicates we should be finished with the schematics by January 1976, and ready for bids by July 1, 1976, with occupancy in the fall of 1978.

A \$7,499,488 project cost is the estimated cost prepared by Mr. Ted Jage in March of this year (Attachment III). We should state that this project is based on 81,000 square feet to be remodeled which is only part of the total JOML buildings complex which is 220,000 square feet. From a life safety standpoint, we may be required to upgrade 220,000 square feet total, which is not included currently in the \$7,499,488 project cost.

Yours truly,

Paul A. Mearns
Health Sciences Planning Coordinator
Health Sciences Planning Office

cc: Mr. Clinton Hewitt
Ms. Cherrie Perlmutter

attachments

TO : Members of the Jackson/Owre/Hillard Building Advisory Committee
FROM: Arnold Lazarow
DATE: October 18, 1973
RE : Assignment of the Jackson/Owre/Hillard Building Perspective

The Learn Report 1966:

In accordance with the Hill Manpower Study and their recommendations, the Health Sciences responded by agreeing to expand the number of medical students on the Minneapolis Campus from 160 to 225 and the number of dental students from 120 to 150. Planning committees were appointed under the leadership of Elmer H. Learn to determine the space needs for all units of the Health Sciences as they related to increased programmatic needs. The comprehensive Learn Committee Report was ultimately accepted by the Central Administration and the Board of Regents in February 1967. This report served as the basis for planning the expansion of the facilities for the Health Sciences as they related to additional teaching laboratories and the office and laboratory facilities needed for the increased number of students and the faculty who were to teach them.

Space Increase Recommended in 1966-67:

In December 1955, the Basic Health Science Committee recommended expansion of the Basic Science facilities from 159,600 to 263,150; an increase of 103,550 square feet. This was based on the faculty and space projections (See Appendices 1, 2 and 3) provided by individual departments, and adjusted by the committee-department interactions. During 1967-1968, there were a number of subsequent interactions between the Basic Science Departments, the Dean of the Medical School, the Basic Health Science Planning Committee and the Learn Committee. In September 1968 the final space allocation for the Basic Science Departments was set at 258,000 (less 4,900 for circulation); net 253,000 (See Appendix 4). It should be noted that the number of square feet of space assigned in 1966 and ultimately approved in 1968 conforms quite closely to the NIH published guidelines for "square feet per faculty member" which includes office, laboratories for research and training graduate students, service facilities, seminar rooms and teaching laboratories.

It should be noted that in the March 1967 recommendation by the Learn Committee, the increased space allotments to the Basic Science Departments were much less (32%) than that allotted to clinical teaching and research (59%), hospital (56%), outpatient clinic (306%), School of Dentistry (252%), School of Nursing (164%), and School of Public Health (112%) (See Appendix 5). The final allotment of 253,000 square feet to the Basic Science Departments on September 18, 1968

partially corrected for this inequity and provided a 59% increase in assigned square feet of space. This made the percentage increase for the Basic Sciences equal to that provided for the Clinical Departments and the Hospital.

Increased Teaching Responsibilities of Basic Sciences:

It should be noted that as of September 1973 there were 239 medical students (14 more than projected) and 145 dental students (to be increased to 150 in 1974). Thus the space allotment made in 1963 does not provide for the additional faculty needed to teach the extra medical students who had to be admitted because because of the NIH requirement of a 5% increase in class size (in order to qualify for the capitation grants). Through the Physicians Augmentation Program (PAP) and the Dental Augmentation Program (DAP) the medical and dental class sizes were increased several years before the new facilities were to be completed (1973). Additional staff were also provided through these grants but these faculty members had to be shoehorned into existing facilities for an assumed "two year interim period." The Basic Science faculty was willing to be severely inconvenienced for a limited time in order to provide the additional manpower which was so urgently needed. Unfortunately the office and laboratory facilities for these additional faculty members (as well as for the new faculty members to be appointed in 1973-75) are not yet available. Dean Gault has funded a number of new positions in the Basic Science Departments out of the 1973 Legislative appropriation and additional new positions are to be expected in 1974-75. The remodeling in Jackson/Owre/Hillard which was to have been completed in September 1973 should have provided these facilities. The additional faculty members who have been shoehorned into existing space for the past 2 years are very unhappy about this delay. The new faculty members to be appointed in 1973-75 must be provided with office and laboratory facilities. The space made available through the move of Dentistry from Jackson/Owre/Hillard had been assigned to the Basic Science Departments for this purpose.

The projected number of faculty positions in the Basic Science Departments expected by July 1974 are tabulated and compared with the number of faculty in 1966 when the original projections were made by the Learn Committee (See Appendix 6).

The overall plan including Buildings A, B and C and the remodeling of Jackson/Owre/Hillard were developed in relation to enrollment increases. This plan served as a basis for all subsequent Legislative requests and all presentations to the NIH in the request for matching funds for Units A, B and C.

New Teaching Laboratories in Building A and in Jackson Hall:

New teaching laboratories were planned in Building A for the Basic Science Departments. Although Anatomy was given the opportunity to develop new teaching laboratories in the Building A complex, the Department elected to expand its teaching facilities in its present location for the following reasons:

1. Most of the Gross Anatomy laboratories had been remodeled within the past 10 years and they are adequate for the next 25 years. Additional facilities were to be provided to accommodate the increased numbers of medical and dental students by remodeling two laboratories adjacent to the Gross Laboratories; these were being used as research laboratories. One laboratory was refurbished for medical students (with the remodeling funds provided through the PAP) in

1971. The second which is urgently needed to accommodate the increased number of dental students now enrolled in the Fall of 1973 had not been remodeled as of September 1973.

2. The supporting facilities for Gross Anatomy, i.e., the Mortuary Unit for anatomical preparation, the embalming facilities and the cadaver storage facilities are very expensive to duplicate. Because Anatomy has a close cooperative arrangement with the school of Mortuary Science, it is desirable that the Anatomy Mortuary Unit be located in close proximity to the School of Mortuary Science teaching laboratories which are also housed in Jackson Hall. The staff of the Mortuary Science Department supervises our Mortuary Unit and embalms our cadavers. In return Mortuary Science uses some of our anatomical material in their teaching program.

In view of Anatomy's decision to expand their teaching laboratories within Jackson Hall, Hugh Peacock and the other members of the Planning Office gave detailed consideration to the phasing of the remodeling in Jackson/Owre/Hillard especially as they related to the Anatomy teaching laboratories. Mr. Peacock assured the Anatomy Department that with appropriate scheduling, their additional and remodeled teaching facilities could be completed during the Summer of 1973. We were assured that detailed remodeling plans would be prepared in advance and that this remodeling would be started on July 1, 1973 when the new Legislative appropriation would be available; this work was to have been completed by September 1973. The failure of the 1971 Legislature to appropriate planning funds for Jackson/Owre/Hillard made it most difficult for the Department of Anatomy to fulfill its increased teaching commitment to the medical and dental students; these problems are detailed below.

Since only limited planning money was appropriated for Jackson/Owre/Hillard in 1973, the urgently needed remodeling of the Anatomy teaching laboratories cannot be initiated until July 1978 at the earliest. This delay has posed a serious hardship. Lacking additional Gross Anatomy laboratories, it would be necessary to assign an extra dental student to each cadaver. This student would have little opportunity to dissect and all of the students would be overcrowded. We have provided a temporary solution by moving the research facilities from Room 374 in Jackson Hall into the former Dental School Library (Room 356). We are doing a minimum of alterations in Room 374 which will permit us to use this room as a dissecting laboratory for the interim period but these facilities are less than adequate.

Justification to NIH and the State Legislative Building Commission:

The office and laboratory facilities for the additional staff relating to the increased number of medical and dental students was the basis for the additional space assignments in Jackson/Owre/Hillard to the Basic Science Departments. Since the Basic Science Departments were the first departments to experience the increased numbers of students, the then Dean of the Medical School, Dr. Robert B. Howard, gave the Basic Science facilities (remodeling of Jackson/Owre/Hillard for office and laboratories and new teaching laboratories in Building A) top priority in the long range building plans. This was so stated in the presentation to the National Institutes of Health in their request for construction money. Because of the varied sources of matching funds, the Medical School portion went to one committee of the NIH, the Dental School to

October 18, 1973

a second committee; the remodeling funds for Jackson/Owre/Hillard were to be provided by the State Legislature. In all subsequent presentations to the Legislature, it was assumed that the State would provide the remodeling money for the Basic Science Departments in Jackson/Owre/Hillard. I have no doubt that the matching funds for Building A (~~and~~ Building B & C ~~if we get them~~) and Bldg F would not have been cleared by the Hill Project Site Visitors without the assurance that the office and laboratory facilities for the Basic Science Departments would be provided. Likewise the National Advisory Council approved this request on the basis that adequate facilities for Basic Science Departments would be provided in the overall plan.

If the original plan is not to be followed, I would ask whether we are keeping faith with our statements made to the Hill. If we do not provide the facilities for the Basic Sciences in Jackson/Owre/Hillard, we will, in my judgment, have obtained the funding for Building A through misrepresentation. In the latest presentation to the State Legislature, the justification for the remodeling funds for Jackson/Owre/Hillard was made on the basis of need for office and laboratory facilities for additional Basic Science faculty members employed as a consequence of the programmatic increase in the numbers of medical and dental students (See Appendix 7).

The Reevaluation of Space Assignment in Relation to the Delay in Building B/C:

The Council of Basic Sciences met recently to discuss assignment of space in Jackson/Owre/Hillard in relation to the delayed funding of Building B/C. We are unanimous in our opinion that if there must be a reevaluation of space assignment because of delayed funding, the Basic Science Departments would, of course, be willing to share in any space retrenchment that may be necessary provided that all other units of the Health Sciences likewise reevaluate their needs and reduce their space assignments in light of the changed circumstances. This would require the reevaluation of all units in Building A, all existing units in Mayo, Diehl Hall, Powell Hall, the Group Building and any other off campus facilities occupied by the Medical School Departments. If all units of the Health Sciences give up some of their space or reassign some of their existing space on a temporary basis until Building B/C is completed, the Basic Science Departments will also give up some of the space assigned in Jackson/Owre/Hillard. Furthermore, if we are required to rejustify our immediate needs for space in light of the changing pattern of Building B/C, then it is essential that all units of the Health Sciences be similarly required to rejustify their needs and their current use of space. This must be applied uniformly throughout the Health Sciences and not just to the Basic Science Departments.

I am enclosing a detailed summary of the space assignments made by the architects in Jackson/Owre/Hillard at the time that these plans were submitted to the Hill (See Appendix 8). Although the absolute number of square feet of space assigned to each Department was fixed by the Learn Committee recommendation, the location of the specific departmental space within Jackson/Owre/Hillard was not made with any consultation with the Basic Science Department Heads. The architects simply assigned space on their "intuitive judgment." The Basic Science Departments can come up with an alternative space distribution in which the total square footage assigned to each department is arranged in locations adjacent to their existing

October 18, 1973

space and in a way that will provide a better overall unification of departments. There are some discrepancies between the space assigned to the various Basic Science Departments by the architects and that recommended by the Learn Committee but these are relatively minor and can be corrected.

These facts serve as an important basis for discussion and action by this Committee.

AL:jim

Table 1. Staff Requirements

	Present staff	Unfilled positions	Additional need for 1973	1973 staff	Additional need for 1986	1986 staff
Anatomy	14/3*	0	6/1	20/4	6/1	26/5
Biochemistry	10/1	0	5/5	15/6	3/0	18/6
Microbiology	11/0	0	3/0	14/0	3/0	17/0
Pathology	8/0	2/0	5/0	15/0	4/0	19/0
Pharmacology	9/5	0	2/2	11/7	5/1	16/8
Physiology	16/2	1/0	3/1	20/3	3/1	23/4
Totals	68/11	3/0	24/9	95/20	24/3	119/23

*Numbers above the slant are full-time positions; those below, part-time.

TABLE 1 FROM 1966 BASIC HEALTH SCIENCES COMMITTEE REPORT

Table 2, Space Requirements for Expansion of Existing Programs

Department		Staff lab and office*	Teaching lab	Animal quarters	Dep't office	Seminar room	Totals
Anatomy	Needed now	1,000	--	--	--	--	1,000
	Additional need for 1973	6,500	4,800	1,400	1,400	200	14,300
Biochemistry	Needed now	9,000	--	500	200	1,800	11,500
	Additional need for 1973	6,000	6,000	--	--	--	12,000
Microbiology	Needed now	2,250	--	--	500	--	2,750
	Additional need for 1973	5,250	2,500	1,500	500	250	10,000
Pathology	Needed now	9,000	--	1,000	500	--	10,500
	Additional need for 1973	3,000	1,000	--	--	--	4,000
Pharmacology	Needed now	9,400	--	1,500	1,200	300	12,400
	Additional need for 1973	5,000	5,000	--	--	--	10,000
Physiology	Needed now	2,500	700	1,000	--	--	4,200
	Additional need for 1973	5,800	2,000	2,000	800	300	10,900
TOTAL	Needed now	33,150	700	4,000	2,400	2,100	42,350
	Additional need for 1973	31,550	21,300	4,900	2,700	750	61,200
	Total to 1973	64,700	22,000	8,900	5,100	2,850	103,550

*This column includes areas used in common by entire staff such as cold rooms, radioactive counting rooms, etc. It also includes nearly all graduate student desk and laboratory space.

Table 4. Summary of Space Requirements

For expansion of present programs

	Present Space	Increase Needed now	Additional need for 1973	Total increase	1973 Space	Δ
Anatomy	36,200	1,000	14,300	15,300	51,500	3,200
Biochemistry	23,900	11,500	12,000	23,500	47,400	500
Microbiology	22,400	2,750	10,000	12,750	35,150	2,750
Pathology	26,800	10,500	4,000	14,500	41,300	3,500
Pharmacology	18,000	12,400	10,000	22,400	40,400	4,500
Physiology	32,300	4,200	10,900	15,100	47,400	3,200
TOTAL	159,600	42,350	61,200	103,550	263,150	
Total (excl. Microbiology)	137,200	39,600	51,200	90,800	228,000	

12,100
18,500
10,100
11,900
17,600
11,900
61,600

Other

Laboratory facilities related to joint biomedical-engineering-physiology program-----4,000 ft²

Lecture hall for seating 350 students-----3,000 ft²

Possible 25% expansion of present plus requested animal quarters to conform with new animal legislation-----5,500 ft²

$$\begin{array}{r}
 263,150 \\
 281,250 \\
 \hline
 21,950 \text{ decrease}
 \end{array}
 \qquad
 \begin{array}{r}
 21,950 \\
 \hline
 103,550 = .211
 \end{array}$$

HEALTH SCIENCES CENTER SUMMARY OF PROGRAM AREAS

	<u>Existing Area</u>	<u>1973 Working Program Area</u>	<u>INCREASE</u>
2. BASIC SCIENCES :	169,495	258,660	
2.1 Anatomy	(36,443)	(51,612)*	15,169
2.2 Biochemistry	(23,395)	(45,340)	21,945
2.3 Microbiology	(22,383)	(32,600)	10,217
2.4 Pathology	(26,804)	(38,301)	11,497
2.5 Pharmacology	(19,187)	(38,841)	19,654
2.6 Physiology	(32,273)	(46,406)	14,133
Interdepartmental circulation		(4,900)	<u>97,505</u>

*1973 working program areas are net program areas less 10% of net new space for interdepartmental circulation as noted in the Health Sciences Planning Report, June 1968

TAC September 18, 1968

FINAL SPACE ALLOTMENT - SEPTEMBER 1968

Table 4. Editing committee's proposal for space increases in the major elements of the health sciences.

	Present space	Proposed space	% increase
Basic sciences	160,500	223,200	39
Clinical teaching and research	238,400	380,200	59
Hospital	469,300	733,400	56
Outpatient clinics	25,400	103,200	306
School of dentistry	63,200	222,400	252
School of nursing	12,500	33,000	164
School of public health	40,500	85,700	112
TOTALS	1,009,800	1,781,100	76

*Increase in nursing, dentistry & school of
 Public health have an inherent increase
 in need for basic science. being committees/
 T. staff and T. spec.*

LEARN COMMITTEE ACTION

ITEM 2 BASIC SCIENCES REMODELING

REQUEST \$1,600,000

HISTORY

No previous requests.

DETAIL OF THIS REQUEST

This request is for the remodeling and rehabilitation of the laboratories and teaching spaces in the Owre-Jackson-Millard complex. This complex will be vacated by the School of Dentistry upon completion of Unit A (Item 1) and will provide room for the expansion of the Basic Science programs to attain student enrollment projections of the Phase I expansion program presented to the legislature in 1969 and 1971. Portions of this request will be used for mechanical and electrical renovation funds and for increased chilled water capacity in the Jackson-Owre-Millard Hall complex.

The large teaching laboratories for the Basic Sciences will be located in Unit A, but faculty offices, laboratories and teaching spaces will remain in the Owre-Jackson-Millard complex.

This request is for about 22% of the necessary funds to remodel the area. The balance will be requested in the 1975 Legislative Session.

BASIS FOR REQUEST

The six major Basic Science departments at the University; Anatomy, Biochemistry, Microbiology, Pathology, Pharmacology and Physiology, as well as the departments of Behavioral Science, Biostatistics, and Human Genetics provide basic courses for professional students in all units of Health Sciences. This utilization is heaviest in the first two years of their curriculum. Thus the ability to expand the number of students in Health Sciences is directly related to the facilities for teaching and research available to the Basic Sciences.

For example, the approved expansion of the Medical School classes from 160 to 227 students and the expansion of the Dental School classes from 700 to 948 students will require parallel expansion of Basic Science facilities to handle the general medical and scientific education of these students.

In addition, the departments in Basic Sciences must continue to provide graduate teaching and research facilities for students in their fields. These Basic Science facilities are utilized for research in fields such as cancer prevention and treatment, heart research, drug action and abuse, life systems, etc.

ITEM 2 BASIC SCIENCES REMODELING (continued)

Research is the key to all of our disease problems and without adequate faculty, facilities and service we cannot fulfill this research. The base foundation for all of these research elements is within Basic Sciences.

COST ESTIMATES

Remodeling cost	\$6,070,500
Non-building cost	<u>1,129,500</u>
Construction scheduled Sept.1974-Jan.1976	\$7,200,000
1973 State Request	\$1,600,000
1975 State Request	<u>5,600,000</u>
Total Estimated Cost	\$7,200,000

42,000 Gross Sq. Ft. = \$42.75/G.S.F.
81,000 Assignable Sq. Ft. = \$74.94/A.S.F.

SPACE RELEASED FOR OTHER USE

One

V Maps

PROPOSED PROJECT

DETAILED DESCRIPTION OF THE BASIC SCIENCE COMPLEX RENOVATION

The Basic Science complex, which consists of the Jackson-Owre-Millard and Lyons Laboratory buildings houses five of the six Basic Science Departments at the University of Minnesota - Anatomy, Biochemistry, Pathology, Pharmacology and Physiology. Microbiology is located in Mayo Memorial Building with their teaching facilities located in Unit A. The Basic Science complex is located north of the Mayo Memorial Building and adjoins Unit A which was constructed just east of this building complex. See Page 134 for the Health Science campus plan.

The Jackson-Owre-Millard complex is a seven story complex of buildings with two floors constructed below ground and with a total of 220,000 assignable square feet. The five Basic Science Departments occupy 189,302 sq. ft. in this complex, of which 81,000 is scheduled for renovation. See chart on page . The following description provides a summary of the floor by floor plans for the upgrading and renovation of this 81,000 square feet of the Basic Science space programmed for renovation.

SUB-BASEMENT

<u>Building</u>	<u>Sq. ft. to be Renovated</u>	<u>Planned Renovation</u>
Jackson	1,100	To be renovated for <u>Anatomy</u> for teaching support services.
Owre	--	No renovation planned
Millard	No sub-basement	--
Total Sub-Basement	1,100 sq. ft.	

BASEMENT

Jackson	^{not used space} 1,000	Support facilities for the Gross Anatomy teaching labs.
Owre	6,100	To be renovated for <u>Anatomy</u> as Instructional Laboratories and support service.
Millard	3,439	To be renovated for <u>Pharmacology</u> as follows: 2,500 sq. ft. for Graduate Instructional Laboratories, 439 sq. ft. for faculty office, and 500 sq. ft. for support services.
Total Basement	10,539 sq. ft.	

<u>Building</u>	<u>Sq. Ft. to be Renovated</u>	<u>Planned Renovation</u>
<u>1st Floor</u>		
Jackson	2,240	To be renovated as graduate instructional laboratories and faculty offices for <u>Pathology</u> .
Owre	6,026	To be renovated for <u>Pharmacology</u> as follows: 3,826 sq. ft. for instructional laboratories, 1600 sq. ft. for faculty offices, 1600 sq. ft. for support service.
Millard	5,095	To be renovated for <u>Pharmacology</u> as follows: 3,392 sq. ft. for Graduate Instructional Laboratory, 500 sq. ft. for faculty offices, 1200 sq. ft. for Support Services.
<hr/> TOTAL 1st FLOOR		13,361 sq. ft.
<hr/> <u>2nd FLOOR</u>		
Jackson	2,160	To be renovated for <u>Anatomy</u> for Graduate Instructional Laboratories.
Owre	3,888	To be renovated for <u>Anatomy</u> as follows: 3,000 sq. ft. for Graduate Instructional Laboratories, 500 sq. ft. for faculty offices, 388 sq. ft. for Support Services.
	8,962	To be renovated for <u>Biochemistry</u> as follows: 6580 sq. ft. for Graduate Instructional Laboratories, 1700 sq. ft. for faculty offices, 682 sq. ft. for Support Services.
Millard	3,573	To be renovated for <u>Biochemistry</u> for Graduate Instructional Laboratories.
<hr/> TOTAL 2nd FLOOR		18,583 sq. ft.

<u>Building</u>	<u>Sq. Ft. to be Renovated</u>	<u>Planned Renovation</u>
<u>3rd FLOOR</u>		
Jackson	3,800	To be renovated for <u>Anatomy</u> for Graduate Instructional Laboratories and Support Services.
Owre	4,712	To be renovated for <u>Anatomy</u> as follows: 1,270 sq. ft. for Graduate Instructional Laboratories, 1,320 sq. ft. for faculty offices, 2,123 sq. ft. for Support Services.
	2,025	To be renovated for <u>Biochemistry</u> as follows: 1,600 sq. ft. for Graduate Instructional Laboratories, 4,025 sq. ft. for faculty offices and support services.
	2,811	To renovated for <u>Physiology</u> as follows: 2,250 for Graduate Instructional Laboratories, 611 sq. ft. for faculty offices.
Millard	7,100	To be renovated for <u>Physiology</u> as follows: 5,680 sq. ft. for Instructional Laboratories, 750 sq. ft. for faculty offices, 670 sq. ft. for Support Services.
TOTAL 3rd FLOOR	20,448 sq. ft.	



4th FLOOR

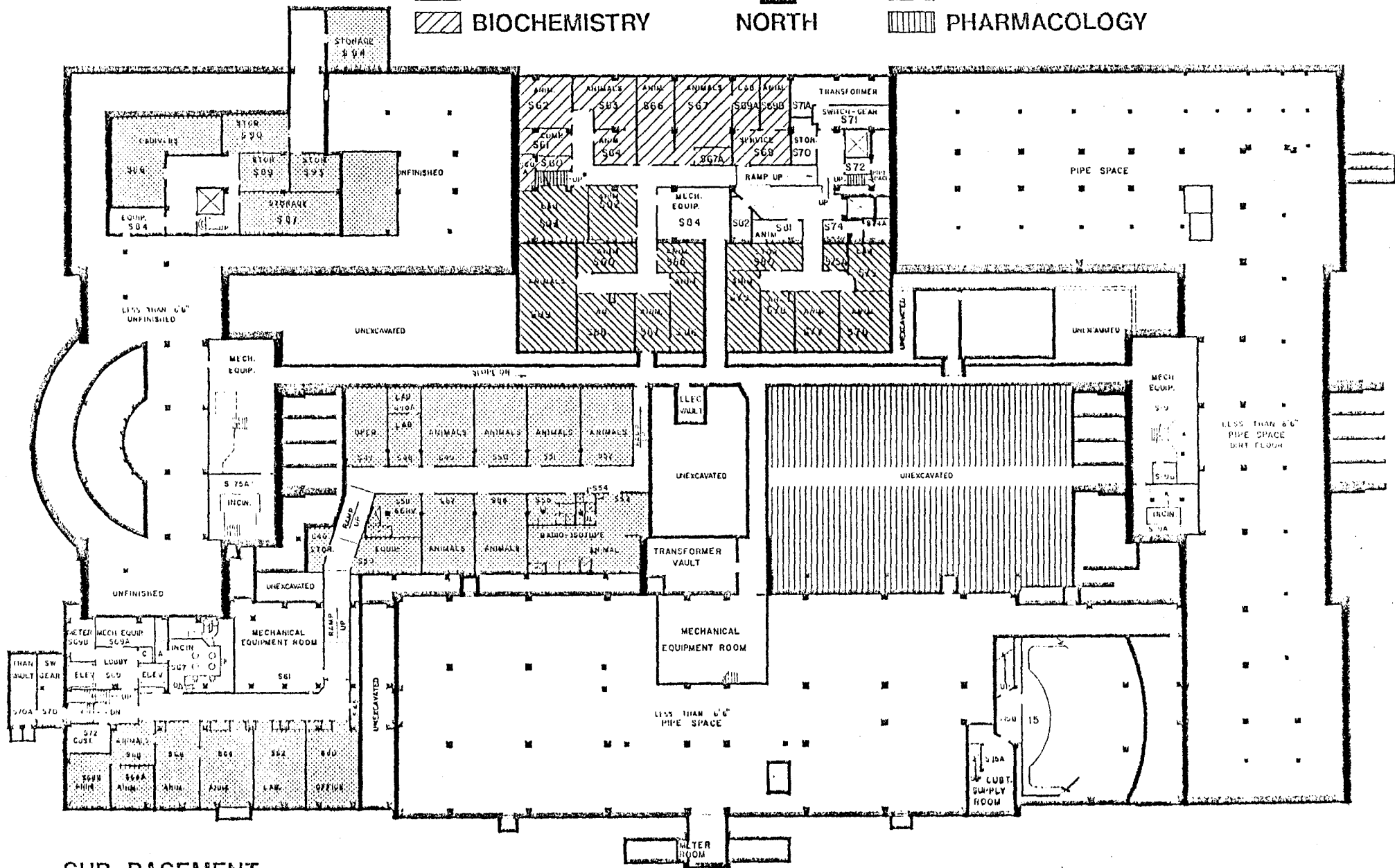
Jackson	4,800	To be renovated for Graduate Instructional Laboratories for <u>Pathology</u> .
Owre	7,520	To be renovated for <u>Pathology</u> as follows: 6,000 sq. ft. for Graduate Instructional Laboratories, 850 sq. ft. for faculty offices, 670 sq. ft. for support services.
	2,950	To be renovated for <u>Physiology</u> as follows: 2300 sq. ft. for Graduate Instructional Laboratories, 300 sq. ft. for faculty offices, 350 sq. ft. for support services.

<u>Building</u>	<u>Sq. Ft. to be Renovated</u>	<u>Planned Renovation</u>
<u>4th FLOOR (cont'd)</u>		
Millard	533	To be renovated for <u>Physiology</u> for Graduate Instructional Laboratories.
<hr/>		
TOTAL 4th FLOOR	15,803	
<hr/>		
<u>5th FLOOR</u>		
Jackson		No 5th Floor in Jackson
Owre	1,166	To be renovated for <u>Physiology</u> as Graduate Instructional Laboratories.
Millard		No 5th Floor in Millard
<hr/>		
TOTAL 5th FLOOR	1,166	
<hr/>		
TOTAL TO BE RENOVATED	81,000 Sq. Ft.	

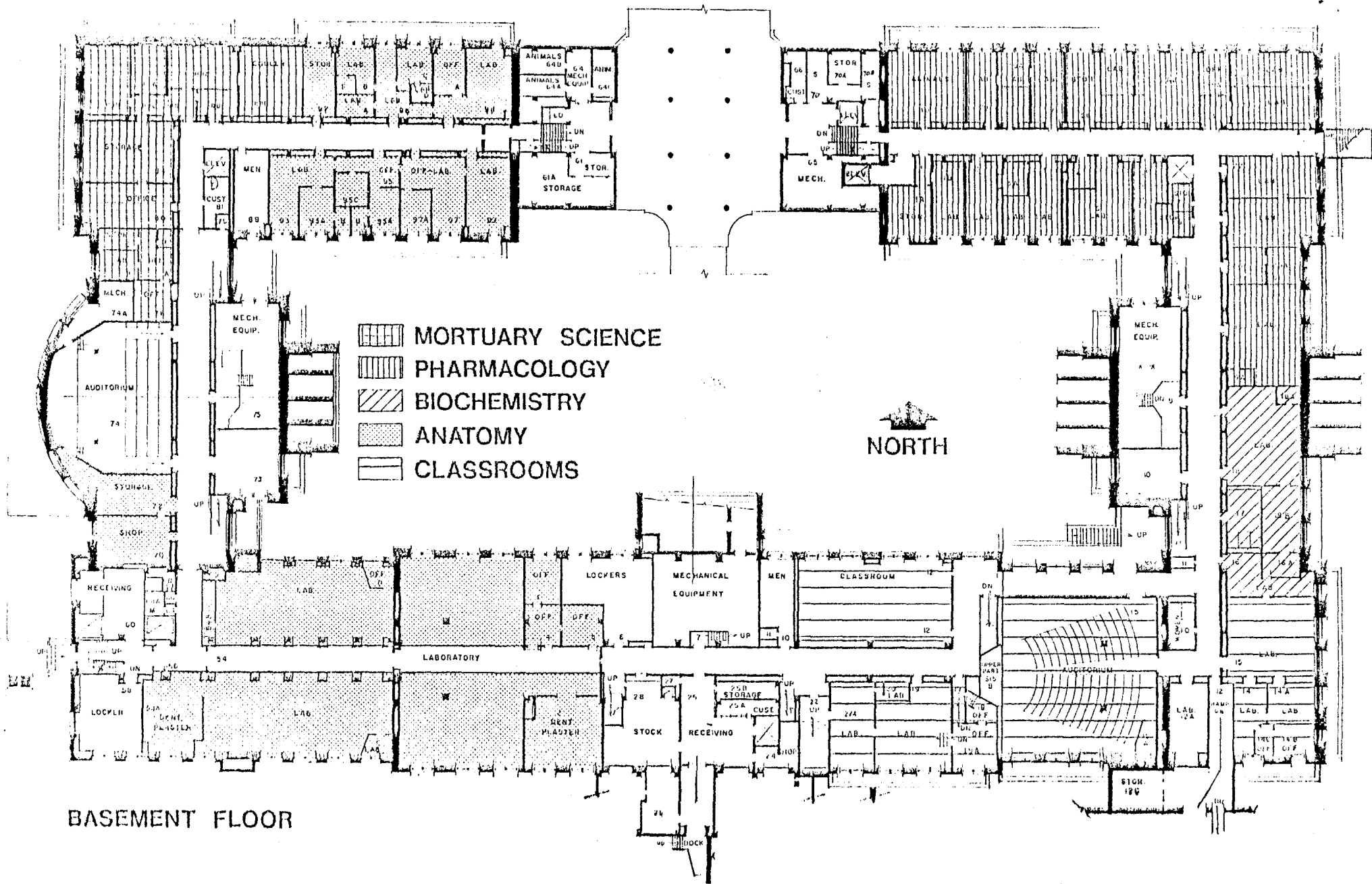
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 BIOCHEMISTRY

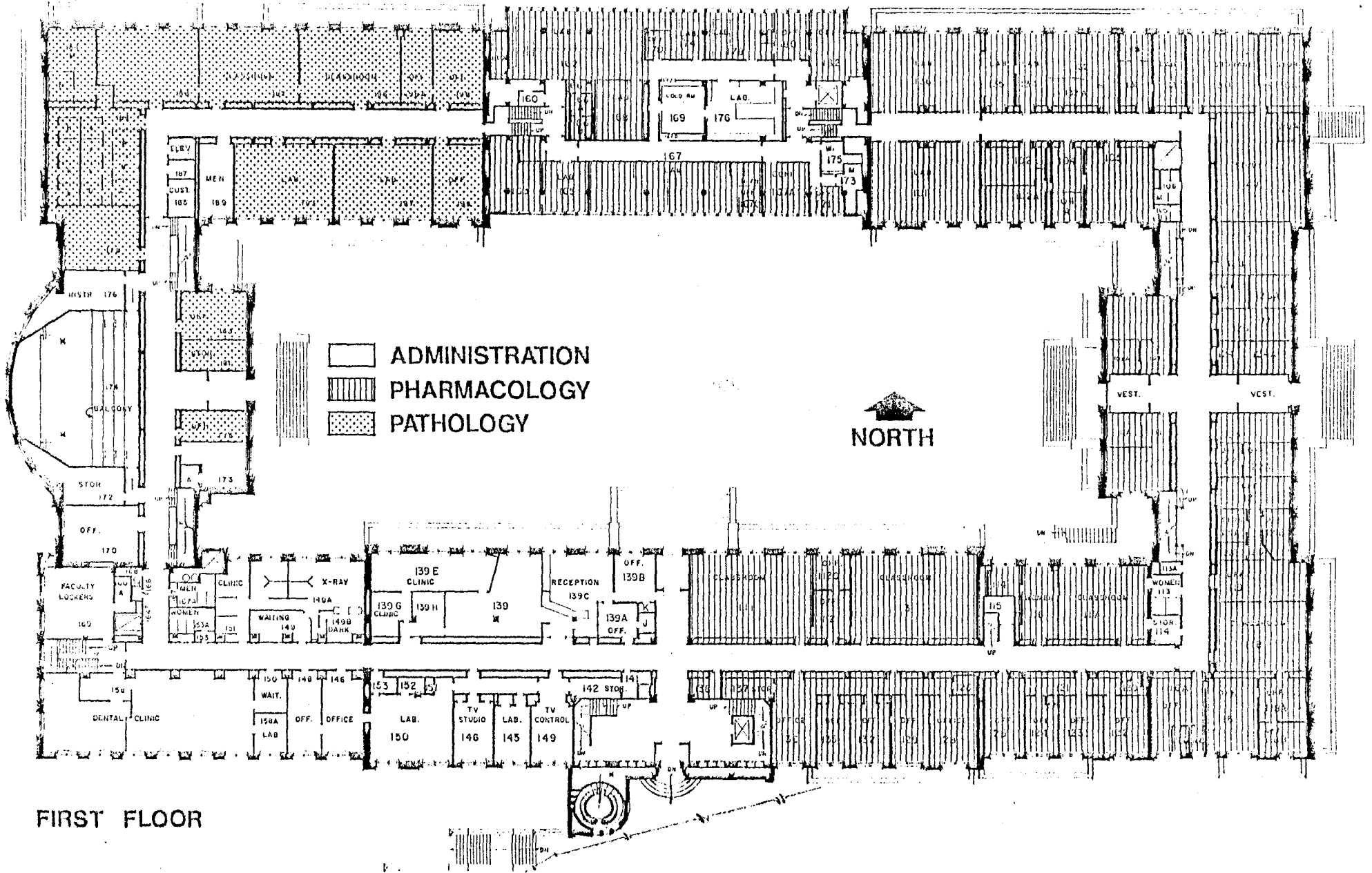


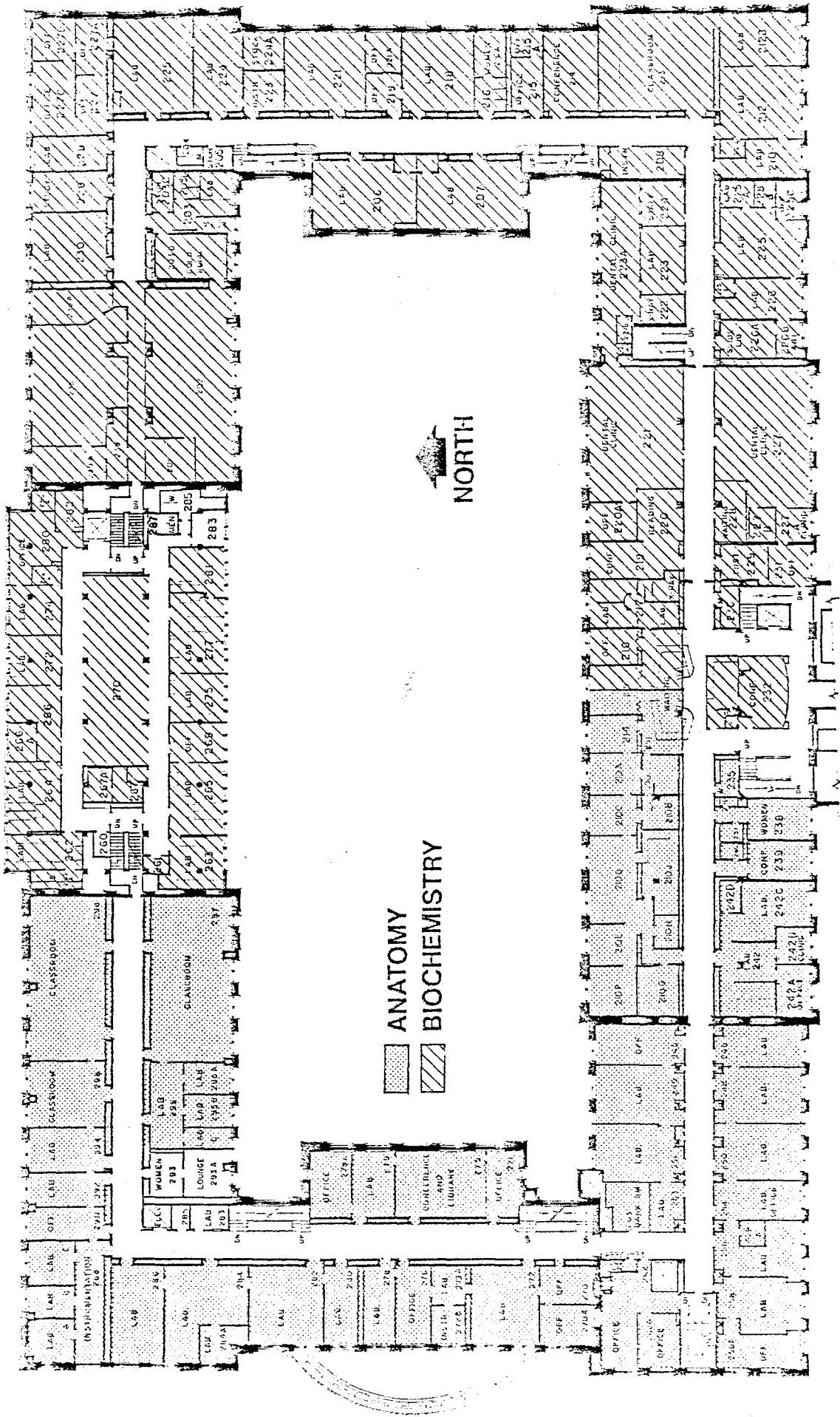
 PHYSIOLOGY
 PHARMACOLOGY



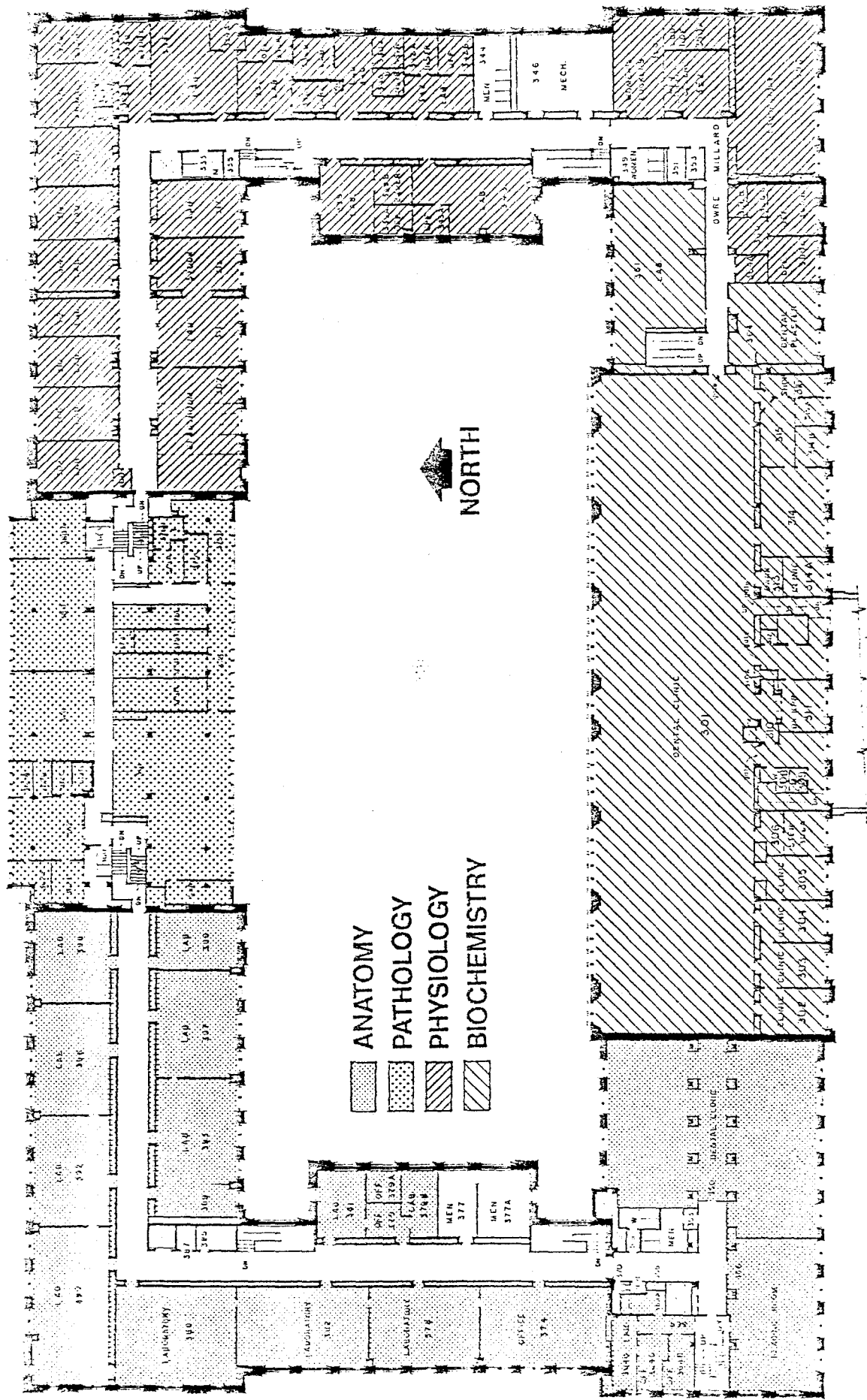
SUB-BASEMENT







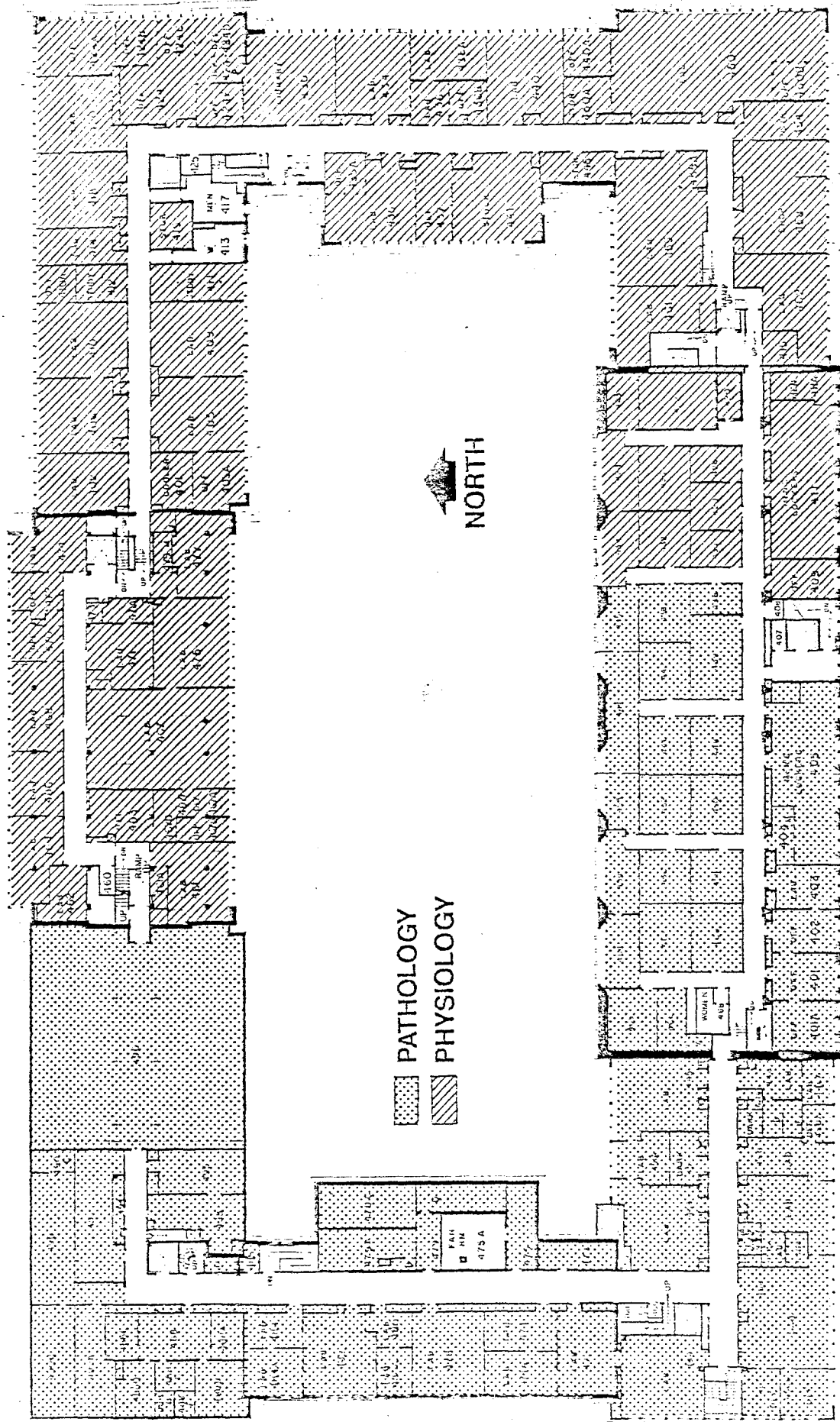
SECOND FLOOR



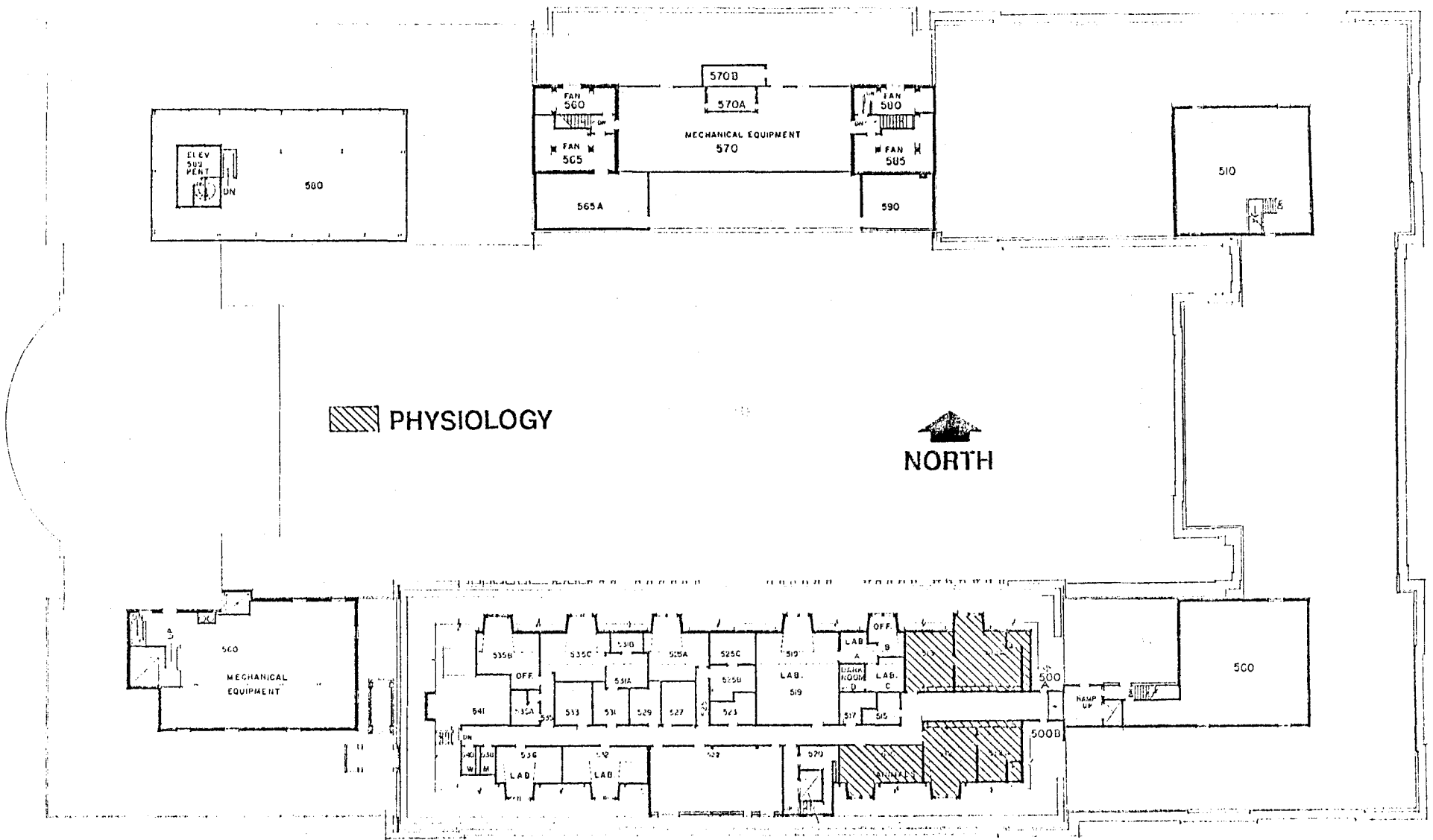
ANATOMY
 PATHOLOGY
 PHYSIOLOGY
 BIOCHEMISTRY

NORTH
 ↑

THIRD FLOOR



FOURTH FLOOR



FIFTH FLOOR

March 25, 1975

MAR 25 1975

University of Minnesota
Medical School

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

Scope Definition - Replacement/Remodeling 81,000 NSF of Basic Science
Facilities (Owre-Jackson-Millard Hall).

Cost Summary

B. Budget Line

1. Building Work

	<u>Eligible</u>	<u>Total</u>	
a. General Const.	\$715,500	\$1,590,000	
b. Plumbing	364,500	810,000	
c. Heat, Vent, Air Cond.	870,750	1,935,000	
d. Electrical	427,500	950,000	
e. Elevator	45,000	100,000	
f. Other keying, fire exting., & towel cabinets	2,025	4,500	
TOTAL BUILDING	<u>\$2,425,275</u>		<u>\$5,389,500</u>

2. Site Work

— —

3. Off-site Work

— —

4. Central Plant

— —

5. Total Construction Cost

\$5,389,500

6. Fixed Equipment

112,500 250,000

7. A/E Costs

a. Architects Basic Fee

1,590,000		
810,000		
1,935,000		
950,000		
100,000		
250,000		
<u>\$5,635,000</u> x 10%	563,575	563,500

b. Redesign 4,500 10,000

c. Supervision
\$5,635,000 x 1 1/4% 31,697 70,433

d. Surveys & Test Borings — —

e. Other items, consultants,
reimbursables, U of M review,
etc. 30,150 67,000
319,922 710,933

Budget Line continued

8. Movable Equipment	441,000	<u>920,000</u>	
9. TOTAL COST, Building Work, Fixed Equipment, A/E fees, Movable Equipment			\$7,320,438
10. Contingency \$5,635,000 x 3%	75,072	169,050	
TOTAL PROJECT COST			<u>\$7,495,488</u>

C.

1. Eligible Construction Cost			2,425,275
2. Eligible Non-building Costs			949,494
Total Eligible for Federal Funding			\$3,374,769
Amount Requested @ 70%			\$2,362,338

JOML-Classrooms



UNIVERSITY OF MINNESOTA
TWIN CITIES

Department of Pharmacology
Medical School
105 Millard Hall
Minneapolis, Minnesota 55455
(612) 373-3085

RECEIVED

26 1975

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

August 25, 1975

Dean Neal Gault, Jr.
Medical School Office
1360 Mayo Memorial Building
University of Minnesota
Minneapolis, Minnesota 55455

RE: Your letter of August 8, 1975

Dear Dean Gault:

I realize, as was indicated in your letter, that any decision regarding reassignment of shared classrooms must be made by offices in the University other than yours. If, however, the basic science departments which are housed in the Jackson-Owre-Millard complex are to answer certain questions now emanating from Mr. Maupin's office and if we are expected to have preliminary plans and cost estimates for remodeling in this area prepared before the end of the current year, it is essential we have a decision with respect to the shared classrooms without undue delay.

The Council of Basic Health Sciences would appreciate any suggestion you may have as to how a decision in this matter can be realized in an expeditious manner.

Sincerely yours,

F. E. Shideman, M. D., Ph. D.
Chairman, Council of Basic Health Sciences

FES:rs

cc: Members of the Council of Basic Health Sciences
Vice President Lyle A. French
Mr. Paul Maupin
Dr. E. W. Drehmel



UNIVERSITY OF MINNESOTA
TWIN CITIES

JOM 2 - Schedule

Health Sciences Planning Office
Physical Planning
Box 75 Powell Hall
4103 Powell Hall
Minneapolis, Minnesota 55455
(612) 373-8981

August 27, 1975

Mr. Clinton N. Hewitt
Physical Planning
Assistant Vice President
340 Morrill Hall

SUBJECT: Construction Documents for Building F and Jackson/
Owre/Millard/Lyons Remodeling Projects

Dear Clint:

We would appreciate your assistance in acquiring permission for us to start these two projects with The Architects Collaborative.

Both grant awards have the stipulation that we must be ready for bids by July 21, 1976, or we place these grants in jeopardy. Therefore, important milestone dates have been identified as follows:

1. The first decision date will occur during the latter part of October this year at which time the architects will present schematic design documents for approval.
2. The second decision will occur during the first part of January, 1976, at which time the architects will present the design development drawings for approval.
3. The final submission will occur during the first part of July, 1976, at which time the contractor bid documents will be presented for acceptance.

Our Jackson/Owre/Millard/Lyons project presently has \$200,000 on account to complete the contract bid documents for the Basic Science renovation project by July 21, 1976. We shall require \$573,500 to complete the documents, therefore creating an approximate \$373,000 deficit.

We presently have \$13,320 on account to complete the bid document for Unit F by July 21, 1975. We shall require approximately \$400,000 to complete the bid documents, therefore creating, for all practical purposes, a \$400,000 deficit.

Because of the limited time frame which the redesign, building program and bid documents must occur, the dates proposed and presented must be adhered to if the schedule is to be maintained.

Yours truly,



Paul S. Maupin
Health Sciences Planning Coordinator
Health Sciences Planning Office

PJM:jam

cc: James Brinkerhoff
Dr. Lyle French

QOML - Funding

August 29, 1975

The attached was received on the above date from the office of the vice-president for Health Sciences (Dave Preston & Cherie Perlmutter) and forwarded to Milt Trapold (Space Programming & Management) for presentation to the Board of Regents, etc.

HISTORY

1973 - \$1,600,000 requested; \$200,000 appropriated for planning.
 1975 - HEW grant commitment \$2,362,338.

DETAIL OF THIS REQUEST

Funds are requested for the remodeling and rehabilitation of **the** laboratories and teaching spaces in the Jackson/Owre/Millard Complex. This project will permit remodeling of 81,000 sq. ft. of the 220,000 sq. ft. in **the** Jackson/Owre/Millard complex.

The space will provide supporting faculty offices, laboratories, and classrooms. Portions of these funds will be used for mechanical and electrical renovation and for increased chilled water capacity in the Jackson/Owre/Millard Hall complex.

BASIS FOR REQUEST

Approximately ten years ago, the Health Sciences began a **comprehensive** study of long range development of program and facilities to respond to state and national needs for increased health manpower. Total health **science** enrollment has increased from 3170 in 1969 and total implementation of **increases** will bring the total enrollment to approximately 5000 in 1976.

A key element in providing the educational facilities for the **expanded** student body is the need for increased laboratory and teaching space **for** the Basic Sciences departments of Anatomy, Biochemistry, Microbiology, **Pathology**, Pharmacology, and Physiology. These departments provide instruction for health science students in all disciplines with utilization heaviest in the first two years of the curriculum. In addition, approximately 20% of the instruction by these departments is provided to other collegiate units of **the** University such as Agriculture, Home Economics, Forestry, Veterinary Medicine, Education, College of Liberal Arts, and College of Biological Sciences.

The Master Plan assigned adequate space for this function **within** the remodeled space of Jackson/Owre/Millard. It was recognized at that **time** however that the Basic Sciences departments would be severely handicapped **for** an interim period while enrollment expansion was occurring in all health **science** units during the construction of new facilities. The necessary **planning** sequence required the completion of Unit A for the School of Dentistry **in** order for the Jackson/Owre/Millard space vacated by Dentistry to be **remodeled**. The new facilities for the School of Dentistry were completed in 1974.

COST ESTIMATE

Remodeling	\$5,639,500
Non-building costs	\$1,859,988
Total	\$7,499,488*
Less: 1973 Legislative appropriation	\$ 200,000
Less 1975 HEW grant commitment	\$2,362,338
Total	\$4,937,150
TOTAL THIS REQUEST	\$4,937,150

Construction costs are estimated at \$39.71/g.s.f. for 142,000 g.s.f. and \$69.62/a.s.f. for 81,000 a.s.f., mid-construction date June, 1978.

SPACE RELEASED FOR OTHER USE

None.

JOML - Funding
AK



UNIVERSITY OF MINNESOTA
TWIN CITIES

Health Sciences Planning Office
Physical Planning
Box 75 Powell Hall
4103 Powell Hall
Minneapolis, Minnesota 55455
(612) 373-8981

DATE	SEP 3 1975
CH	
	<i>Paul Maupin</i>

September 2, 1975

RECEIVED

SEP 5 1975

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

TO: Clinton Hewitt

FROM: *Paul* Maupin

SUBJECT: Basic Sciences Remodeling
1976 Legislative Request

The current Health Sciences Legislative Request for the subject project is based upon remodeling 81,000 sq. ft. of space; this represents only part of the 220,000 sq. ft. in the Jackson-Owre-Millard-Lyons Complex. The University may be required by Life - Safety and Handicapped Codes to refurbish the total complex of 220,000 sq. ft. Cost of such upgrading is not currently included in our request.

E - CODES. START. IN JAN. -76

PJM:rm

Paul: the write-up does not imply that there are other phases. why is it excluded?

*9/3/75 - Ans. question on Sept 8 - 75
CMA by phone Paul*

University
of
Minnesota
memo

date September 10 19 75

to Health Sciences Planning

from Laboratory Medicine & Pathology

JACKSON HALL - 4th floor

9 faculty
33 staff - Scientific
2 staff - Non-scientific

OWRE HALL - 4th floor

9 faculty
21 staff - Scientific
9 staff - Non-scientific

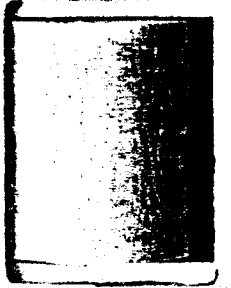
JACKSON HALL - 1st floor

7 faculty
14 staff - Scientific
5 staff - Non-scientific

TOTAL

25 faculty
68 staff - Scientific
16 staff - Non-Scientific

109





UNIVERSITY OF MINNESOTA
TWIN CITIES

Department of Laboratory Medicine and Pathology
Medical School
Box 198 Mayo Memorial Building
Minneapolis, Minnesota 55455
(612) 373-8623

TENTATIVE OUTLINE FOR THE MINIMUM REBUILDING AND UTILIZATION OF THE FOURTH
FLOOR OF OWRE AND JACKSON HALLS -- DEPARTMENT OF LABORATORY MEDICINE AND PATHOLOGY.

PART OF THE JOML REBUILDING PROJECTS, 1975-76

I. AREAS TO BE REBUILT (Owre, rooms 401A-405, 435-466)*

The street side of the corridor (see attached map) will be restricted to office and conference space. Rooms on the court side of the corridor will all become laboratories.

A. Office and Conference Rooms

Presently, rooms 401A-402 are offices, 403 is a mouse facility, 404 a men's room, and 405 a locker room. The entire area should be partitioned into standard office/secretarial spaces plus a 250 sq. ft. conference room with blackboard and bookshelves. The floors throughout should be carpeted. Only electrical wiring and small amount of plumbing are needed.

B. Laboratories

1. Each laboratory should have full services: 110 and 220 volt electrical outlets well dispersed throughout the room, a large sink, and spigots for water, gas, compressed air, and house vacuum placed conveniently at several points.
2. Two types of laboratories are needed:
 - a. A principally chemical laboratory, with one hood (meeting OSHA regulations with respect to ventilation rate), high benches, full services, and one bare wall to receive instruments.
 - b. A principally biological laboratory, with full services, one free wall (for incubators, etc.) a second wall which is free, or with movable furniture or with a biological hood, low benches on the remaining walls.
3. Designation of a room as whether a biological or chemical laboratory is based on two criteria:

*For a more detailed description of the present state and future plans for each of these rooms, see the Appendix to this report.

- a. All rooms having windows should be chemical labs. The dirt, air contamination, light, and heat problems attendant to the presence of windows make such spaces unsuitable for biological purposes.
 - b. The balance of the rooms designated for chemical research should be adjacent to the windowed rooms so that ductwork for the hoods may be shared.
4. Based on these criteria, the following rooms should be converted to chemical laboratories (see map): 435, 438, 446, 455, 454, 464, 462.
 5. The remaining rooms should be made into biological laboratories. These are: 439, 442, 448, 450, 452, 458, 460, 465, 466.
 6. The somewhat tiny room 438 should be made into a well ventilated cold room.

II. UNFINISHED SPACE, ROOM 496 JACKSON, TO BE DEVELOPED

- A. The area (approx. 4000 sq. ft.) should be bisected by a corridor.
- B. The remaining space should be divided into six 650 sq. ft. specialty laboratories, as follows:
 1. Two tissue culture rooms with full services, seamless walls for easy cleaning, double access doors, a stainless steel hood on one wall, a biological hood on another, and some benches, as well as incubator along the rest of the wall space.
 2. Two rooms for microchemistry with two stainless steel hoods (OSHA approved), a mixture of high and low benches, one bare wall, full services.
 3. Two flexible rooms, principally intended for multiuse instrumentation with a counter along one wall, air and light-tight doors, full services.
- C. Should insufficient funds be available for all of II-B to be completed, the highest priority should be given to partitioning Jackson 496 and bringing the services into it.

NOTE: There should be a dishwashing area in the whole Owre-Jackson fourth floor complex, its location should be determined in collaboration with architects.

APPENDIX: A DESCRIPTION OF THE CONDITION OF AND FUTURE PLANS FOR EACH ROOM
IN OWRE HALL TO BE REBUILT FOR LABORATORY MEDICINE AND PATHOLOGY
IN THE JOML SCHEME OF THINGS.

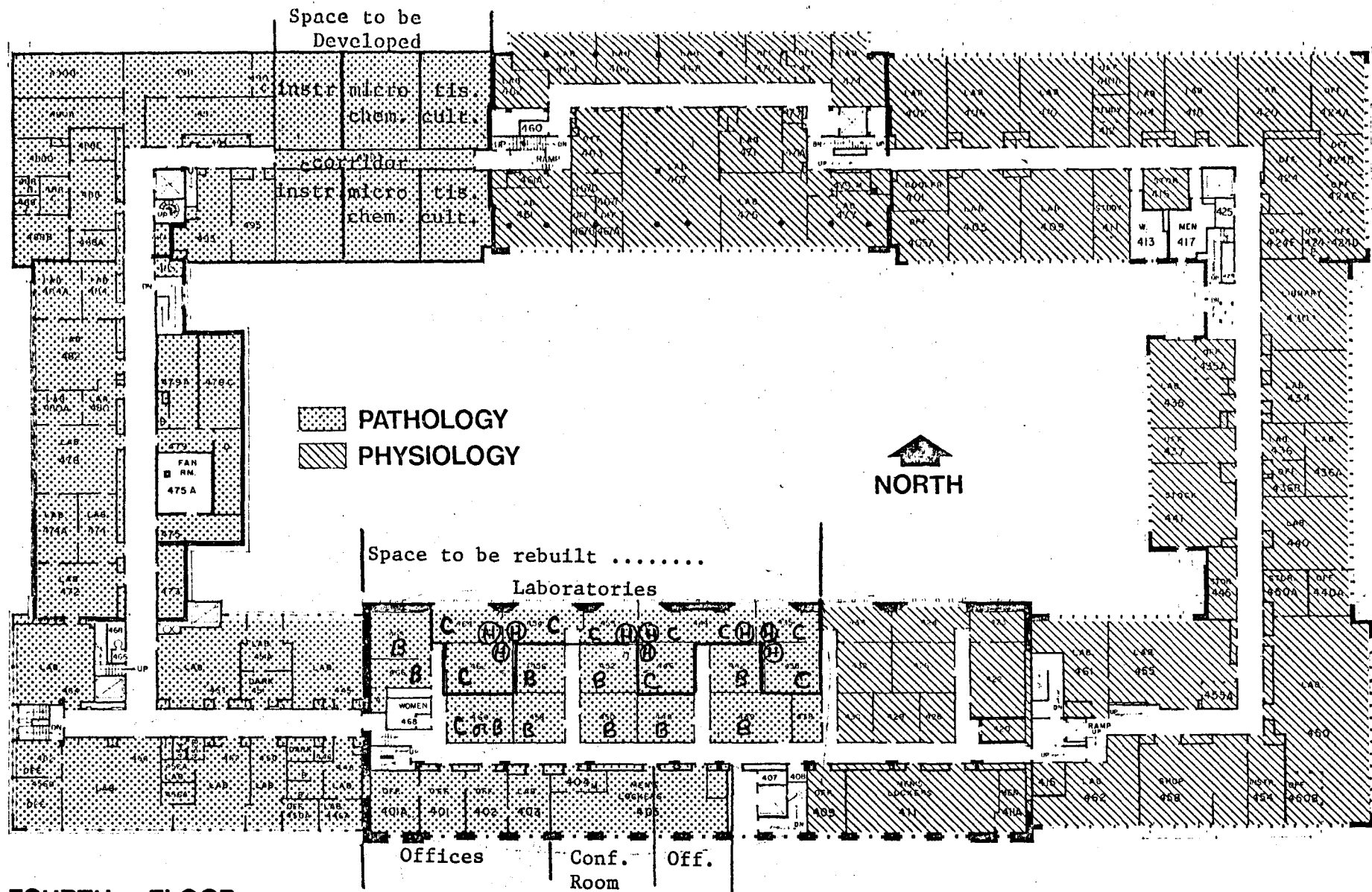
- 401A: presently an office, 266 sq. ft. Future: 2 offices.
- 401: 200 sq. ft. office. Future: two offices.
- 402: 220 sq/ ft. office. Future: two offices.
- 403: mouse facility. Future: 1-2 offices.
- 404: ancient men's room. Needs new facilities.
- 405: 820 sq. ft. locker room. Future: 250 sq. ft. conference room, the rest offices and secretarial space.
- 435: 10 x 15 area with windows, no services. Future: chemistry lab.
- 436: 14 x 15 area. Minimal facilities (some electrical outlets, gas, air, and vacuum). No hood. Future: chemistry lab.
- 438: empty. No services. Very small. Future: cold room.
- 439: 24 x 14 area, presently a meeting room. Future: biology lab.
- 442: 14 x 15 area with minimal services and no hood. Too many counters. Future: biology lab.
- 444: 34 x 10 area with windows. No services at all. Future: chemistry lab.
- 446: 14 x 15 area with minimal facilities and no hood. Too many benches. Future: chemistry laboratory.
- 452: 14 x 15 area, minimal facilities and no hood. Future: biology lab.
- 448: 14 x 15 area, no services at all, being used as office. Future: biology lab.
- 450: 14 x 15 area, minimal services, no hood. Future: biology lab.
- 453: 14 x 15 area, no hood, no services, windows. Future: chemistry lab.
- 454: no services, outside windows. Future: chemistry lab.
- 456: 14 x 15 area, no hood, minimal services. Future: chemistry lab.
- 458: 14 x 15 area, minimal services, no hood. Benches on one side suitable for chemistry possibly. Future: biology lab.
- 460: 14 x 15 area, with hood (very poor draft). Too much bench space. Future: chemistry or biology.

APPENDIX - Page 2

462: 14 x 15 area, minimal facilities. Future: chemistry lab.

464: 10 x 21 area with outside windows, no services. Future: chemistry lab.

466, 465: a 17 x 8 and a 17 x 13 area. Minimal services. Combine into one lab. Use for biology.



FOURTH FLOOR

Symbols:

- H Hood location
- B Future biology laboratory
- C Future Chemistry laboratory

JACKSON/OWRE/MILLARD/LYONS
BUILDING ADVISORY COMMITTEE MINUTES

DATE: September 12, 1975

PLACE: 4112 Powell Hall

MEMBERS PRESENT: Mr. Paul Maupin, HSPO; Mr. Tom Kyle, HSPO; Mr. James Nelson; Mr. Dick Hendricks; Ms. Virginia Lewis, H.S. Space Programming & Management; Mr. Dale Stroud; Dr. Nelson Goldberg; Dr. James Bodley; Dr. Andreas Rosenberg; Dr. Richard Poppele; Mr. Dave Kerkow, Engineering & Construction; Mr. Bob Hudalla, Engineering & Construction; Mr. Jerry Olson, HSA&E

MEMBERS ABSENT: Mr. Donald Robertson

Mr. Maupin introduced Mr. Jerry Olson, HSA&E, to the Committee as the prime architect for the project, and gave a brief summary of Mr. Olson's professional background and past experience in other Health Sciences projects.

Mr. Maupin cautioned the Committee that the project schedule would be difficult to meet, and stressed the importance of establishing a concrete line of communicating information. He requested that all information input be directed to Mr. Tom Kyle of the Health Sciences Planning Office; and Mr. Kyle in turn would direct pertinent information and data to the architect. The architect will develop the master plan for the project and submit a schedule to insure the design development phase of the project is completed and ready to meet the Federal deadline of July 21, 1976.

The project as it is presently understood is to include upgrading of 81,000 net assignable square feet of physical space, air conditioning the entire complex, and upgrading the complex in compliance with code requirements established by various agencies (OSHA, Life Safety, etc.). A study will be implemented to determine the exact nature of the code implications. At present, it is not clear if State Codes will require portions not included in the 81,000 net square feet scheduled for renovation to be upgraded. If the code implication study determines that the entire complex must be upgraded, additional funds will have to be secured. It is presently understood that the cost of air conditioning the entire complex would be financed

out of the total project cost of \$7,499,488. Unit A cooling tower capacity is sufficient to service the JOML complex; chiller funds will be financed out of the \$7.5 million. Mr. Dave Kerkow stated the electrical engineers would make an evaluation of electrical and fire alarm systems as soon as possible and forward their findings related to requirements and cost projections to Mr. Jerry Olson.

Mr. Maupin stressed the importance of establishing priorities in departmental planning and further clarified that departments should consider required vs. desirable design options in establishing their departmental priorities.

Several Committee members expressed their concerns related to the validity of cost figures in relation to distribution of project funds. It was pointed out that estimated distribution of funds figures should be considered raw and tentative at this point. "Ball Park" estimate figures of \$25/sq. ft. has been employed up to this point in estimated distribution of funds (81,000 sq. ft. for a construction cost of \$1,958,511). As the project moves into the design development phase, distribution figures will be more clearly defined and represented as "hard" figures. It was also pointed out that a final decision related to the classroom issue should be taken into account. It was reported a meeting had been scheduled to resolve this issue on September 29th. Mr. Maupin stated the only "hard" figures at the present are the 81,000 net square feet designated in the grant, and the total project cost of \$7,499,488.

Mr. Olson will review and analyze the information he has been provided by the Committee and will outline a method of handling the project and develop a schedule. Mr. Olson will contact the Health Sciences Planning Office to schedule the next meeting when he has completed the above outline and schedule for the project.

rm
Health Sciences Planning Office

OFFICE OF THE VICE PRESIDENT FOR HEALTH SCIENCES AFFAIRS
424 MORRILL HALL • MINNEAPOLIS, MINNESOTA 55455

September 15, 1975

RECEIVED

SEP 15 1975

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

TO: Dean Gault
FROM: Vice President French
SUBJECT: Owre 111 and Owre 113

In response to the question regarding the impact of the JOM remodeling on the above classrooms, the Building Advisory Committee for this project has been appointed to implement the previously programmed use of the space to be remodeled at this time.

Included in the program is the space in Owre 111 and Owre 113 which is to be remodeled for use by the Basic Science Departments.

The use of this space for scheduling is replaced by classrooms provided in Units A, B/C, etc.

cc: Vice President Brinkerhoff
Paul Maupin, Health Sciences Planning
Room Scheduling

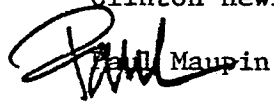
JOML Schedule



UNIVERSITY OF MINNESOTA
TWIN CITIES

Health Sciences Planning Office
Physical Planning
Box 75 Powell Hall
4103 Powell Hall
Minneapolis, Minnesota 55455
(612) 373-8981

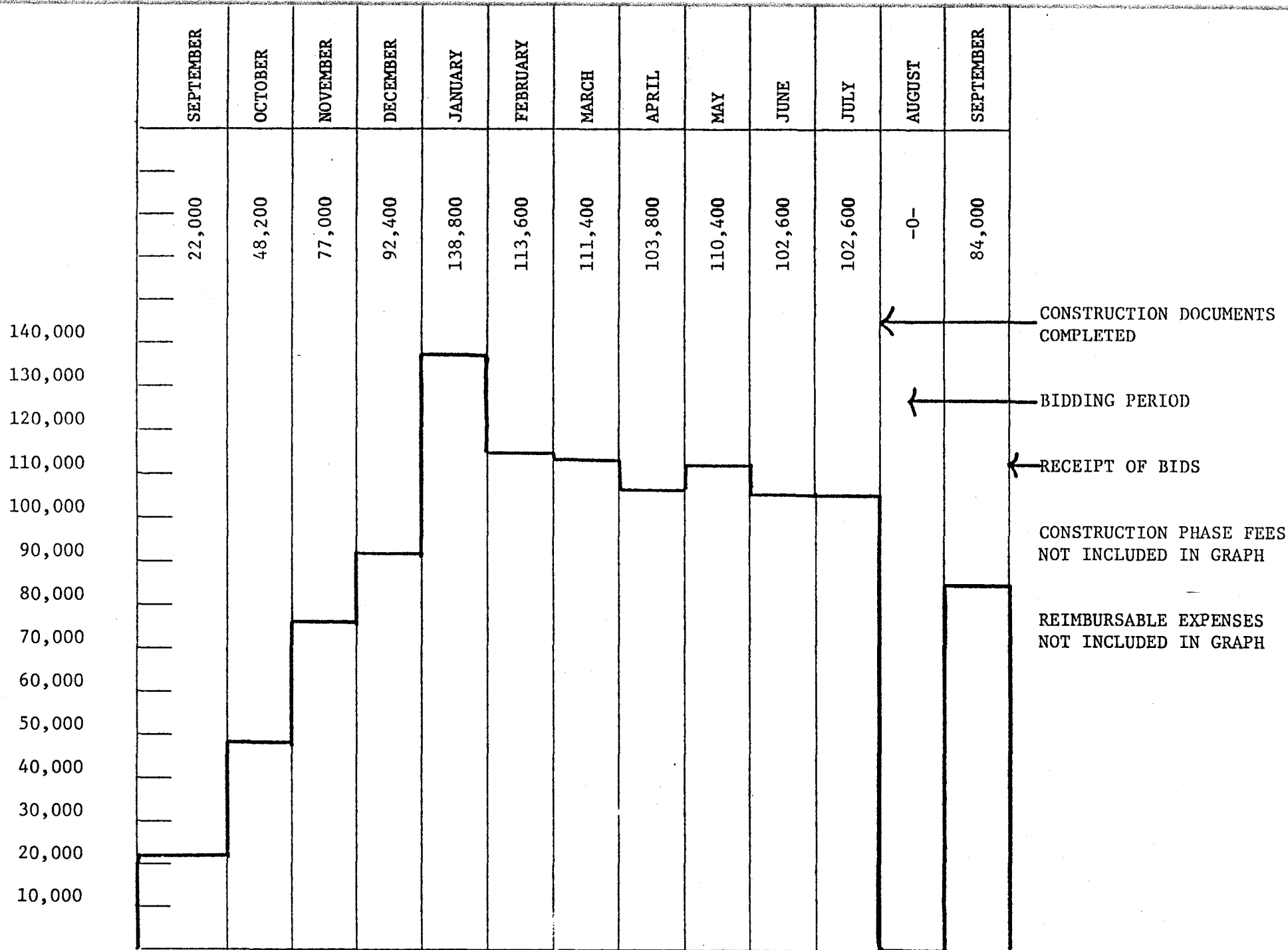
September 23, 1975

TO: Clinton Hewitt
FROM:  Paul Maupin
SUBJECT: Unit F and JOML Remodeling Project

In response to your request for cash flow schedules on the above subject projects, we requested this information from The Architects Collaborative on August 4, 1975. We received part of our request on September 23, 1975. It is difficult to expedite requests when one has this much lag time. I am sure there are a multitude of just reasons for the delay, but nevertheless, the attached schedule from Mr. John Scott indicates the architects' monthly cash flow requirements. Please advise our office if you need additional information.

PJM:rm

Attachment



DESIGN FEES REQUIRED FOR UNIT F AND JOML

SEPTEMBER 23, 197

JOML - Biochemistry



UNIVERSITY OF MINNESOTA
TWIN CITIES

Department of Biochemistry
Medical School
227 Millard Hall
Minneapolis, Minnesota 55455

RECEIVED

October 1, 1975

OCT 2 1975

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

TO: Tom Kyle
FROM: J. Bodley
RE: Biochemistry Remodeling Priorities

The Department of Biochemistry has only a single priority item for remodeling during the current phase of the remodeling of the JOML complex. This is a first priority item and is detailed in the accompanying list of room numbers and areas. This is vacated Dental space which is unusable in its present form. Our requirement is that this space be remodelled into research laboratory-offices along the modular concept embodied in the earlier plan submitted to your office by the department.

In addition to this single item it is clear that the remainder of the departmental space, although useable, is greatly below standard. When, therefore, the JOML complex is further upgraded in a future phase we request that this space be given a top priority.

JB/kh

cc Dr. Charles Carr
Paul Maupin, ✓

BIOCHEMISTRY DEPARTMENT REMODELLING PRIORITY FOR THE J. O. M. L. COMPLEX

First priorities for complete remodelling of vacated space
into laboratory office modules

ROOM NUMBER	BUILDING	SQ. FT.
223A	Owre Hall	484
221A	" "	10
221B	" "	28
222	" "	100
223	" "	243
224	" "	156
226A	" "	162
226B	" "	70
226	" "	251
225E	" "	25
225	" "	477
225A	" "	71
225B	" "	41
225C	" "	71
208	Millard Hall	193
210	" "	240
212A	" "	35
212	" "	471
212B	" "	333
213	" "	907
214	" "	348
215	" "	135
215A	" "	49

Biochemistry Department Remodelling
Page 2

ROOM NUMBER	BUILDING	SQ. FT.
350A	Jackson Owre Addition	1,224
350B	" " "	1,428
301	Owre Hall	5,264
302	" "	234
303	" "	225
304	" "	225
305	" "	216
306	" "	75
306A	" "	140
310	" "	~ 70
310A	" "	~ 10
311	" "	174
313	" "	66
314A	" "	129
314	" "	459
314B	" "	92
315	" "	171
315A	" "	60
316	" "	108
364	" "	600
361	" "	1,122
Total net square feet		16,992

(ANATOMY)

20 Oct., 1975

To: Mr. Tom Kyle
Health Sciences Planning Office

From: D. Robertson
Dept. of Anatomy

re: Assignment of priority within Anatomy Dept.
relative to J.O.M remodeling.

Priority #1 - Remodeling of ~~labs~~ ^{Microscopic Anatomy teaching} labs and support
facilities, Jackson-Owre 54,
Owre 1, 2, 3, 4, 5, & 6.

Priority #2 - Remodeling of 297 & 298 Jackson.

Priority #3 - " " Owre complex
under jurisdiction of Anatomy
(2nd floor Owre).



UNIVERSITY OF MINNESOTA
TWIN CITIES

G. Zawroski

Health Sciences Planning Office
Physical Planning
Box 75 Powell Hall
4103 Powell Hall
Minneapolis, Minnesota 55455
(612) 373-8981

November 13, 1975

TO: Clinton Hewitt
FROM: *Paul Maupin*
SUBJECT: Attached Reports
Unit F
Jackson/Owre/Millard/Lyons

The attached reports are submitted per your request dated November 6, 1975.

Should you have any further questions or require more information, please call on this office.

PJM:rm

Attachments

HISTORY

1973 - \$1,600,000 requested; \$200,000 appropriated for planning.
 1975 - \$2,362,338 HEW grant commitment.

PROGRAM SUMMARY

The scope of the project is the remodeling and rehabilitation of the laboratories and teaching spaces in the Jackson/Owre/Millard/Lyons Complex at the University of Minnesota, Minneapolis Campus. This project will permit remodeling of 81,000 sq. ft. of assignable space and 142,000 gross sq. ft. in the complex.

The space will provide supporting faculty offices, laboratories, and classrooms. In addition, mechanical and electrical systems will be renovated as well as increasing the chilled water capacity for the entire complex.

The program is primarily to renovate space vacated by Dentistry's move to Unit A in 1974, and space in the Basic Science departments that has become antiquated or obsolete due to moves within the departments and move to Unit A.

The move released 81,000 sq. ft. of assignable space to be renovated for the Basic Sciences; 60,000 sq. ft. is vacated Dentistry and 21,000 sq. ft. is obsolete previously assigned department space.

It is also planned to air-condition the entire Jackson/Owre/Millard/Lyons Complex to insure adequate temperature control which up to now has been seriously deficient. Central air-conditioning will allow for the removal of existing window units which require a great deal of electrical capacity to operate and thus provide the needed electrical supply for the newly renovated areas.

The entire complex needs to be brought up to present day building code requirements, Life/Safety standards, Fire Code requirements and the new environmental code, due to the fact that the buildings for the most part were constructed in the early 1900's and are seriously outdated.

COST ESTIMATE:

Remodeling	\$5,639,500
Non-building Costs (\$980,000 Movable Equipment)	\$1,859,988
	TOTAL \$7,499,488*
Less HEW grant commitment	-\$2,362,338
Less Legislative appropriation	-\$ 200,000
1976 State Legislative Request	\$4,937,150

BUILDING SCHEDULE:

Schematic Design	January	21, 1976
Design Development	March	1, 1976
Contract Documents	June	1, 1976
Bid Award	September	7, 1976
Construction Completed	September	1, 1978

UNIT F

November 11, 1975

HISTORY

1969 State Appropriation	\$ 318,000
1971 State Appropriation	\$ 1,351,400
1975 HEW grant award - Pharmacy	\$ 4,288,811
1975 HEW grant award - Nursing	\$ 3,976,557

PROGRAM SUMMARY

The scope of the project for Unit F of the Health Sciences Center is to house the College of Pharmacy and the School of Nursing. This structure will consist of eleven floors of space located directly north of and adjoining Unit A. Three levels are below grade with the remaining eight floors above grade. Through Unit A, Pharmacy and Nursing will have direct accessibility to the remainder of the Health Sciences Center, including the Bio-medical Library.

The building will have an assignable net square footage of 111,584. The facility will provide the College of Pharmacy with 56,384 sq. ft.; the School of Nursing with 37,457 sq. ft. (Federal participation 33,881 sq. ft.), with the remaining portion of the net assignable square footage housing classrooms, auditorium and other spaces designed for sharing by all Health Sciences programs. This new space along with other shared classrooms, library and learning centers, and clinical facilities, will serve the College of Pharmacy and the School of Nursing space needs.

As part of the Health Sciences master planning efforts, emphasis was placed on the desire to integrate the disciplines and maximize space and other resources.

COST ESTIMATE:

Construction	\$15,757,517
Non-building costs (\$2,293,155 Movable Equipment)	\$ 5,191,421
	TOTAL \$20,948,938
Less HEW grant commitments	-\$ 8,265,368
Less Legislative appropriations	-\$ 1,669,400
1976 State Legislative Request	\$11,014,170

BUILDING SCHEDULE:

Schematic Design	January	21, 1976
Design Development	March	1, 1976
Contract Documents	June	1, 1976
Bid Award	September	1, 1976
Construction Completed	June	1, 1978

JACKSON/OWRE/MILLARD/LYONS
BUILDING ADVISORY COMMITTEE MINUTES

DATE: November 14, 1975

PLACE: 4112 Powell Hall

MEMBERS PRESENT: Mr. James Nelson; Mr. Donald Robertson; Mr. Paul Maupin; Ms. Virginia Howard; Dr. Andreas Rosenberg; Dr. Nelson Goldberg; Dr. Richard Poppele; Mr. Dale Stroud; Mr. Dick Hendricks

MEMBERS ABSENT: Dr. James Bodley

GUESTS: Mr. Tom Kyle; Mr. Jerry Olson

The Committee wished to have their function defined again in respect to the design/development of the project. Mr. Maupin explained that the Committee was an advisory board for the departments involved and the scope was confined to the 81,000 sq. ft. mentioned in the grant application and program document. Further, that they should try to define the areas of need for each department and that they would be consulted about functions and use of space outside of the mentioned 81,000 sq. ft. Mr. Maupin reminded the Committee of the 1966 approved Master Plan, and the extent to which the University has adhered to it. He further explained that all decisions shall be made by the Health Sciences Administration and the Health Sciences Planning Office.

Mr. Jerry Olson, HSAE, asked for reports on future use and needs for air volumn control in the complex and discussed the cooling capacity of Units A and B/C and JOML. He will have a report final by the next meeting.

Dr. Goldberg asked if the budget of \$7.5 million was to include OSHA standards outside the 81,000 sq. ft., and was told that other funds would cover the other areas if they are required to meet the standards.

Mr. Olson presented a list of required background documents needs and Mr. Kyle said he would provide them.

The Committee will also provide outlines of the ultimate use of the entire facility to the architects for planning aids.

Mr. Olson explained portions of the Minnesota Building Code and requested a meeting with University code officials to determine JOML's requirements; specifically 1) Life Safety; 2) Building Safety; and 3) Energy Conservation.

He will also make a report on codes as they apply to JOML at the next meeting.

All members present agreed to meet next Thursday, November 21, 1975.

tk
Health Sciences Planning Office

*ALL
AMS*

UNIVERSITY OF MINNESOTA
TWIN CITIES

Physical Planning
340 Morrill Hall
Minneapolis, Minnesota 55455

RECEIVED

NOV 21 1975

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

November 19, 1975

TO: Paul Maupin
FROM: Clint Hewitt *Clint Hewitt*
SUBJECT: Minutes of the JOML Building Advisory Committee Meetings

All committee minutes for building projects are usually copied to certain key Administrators (i.e. Vice Presidents Brinkerhoff, Koffler, Wilderson) at the University, however, I noticed that this is not the case for the above project. Perhaps there is a clear rationale for not following this procedure on Health Sciences projects or a decision on this matter was made some time ago.

Also, this project must be presented to the Board of Regents prior to the submittal of schematics to the House and Senate Committees. We should review the design track for this project to identify critical dates.

CNH/sf

BUILDING ADVISORY COMMITTEE MINUTES

NOVEMBER 20, 1975

PLACE: ROOM 4112, POWELL HALL

Members Present: Mr. James Nelson, Mr. Donald Robertson, Mr. Paul Maupin, Ms. Virginia Howard, Dr. Andreas Rosenberg, Dr. James Bodley, Dr. Richard Poppele, Mr. Dale Stroud.

Members Absent: Dr. Nelson Goldberg, Mr. Dick Hendricks.

Guests: Mr. Tom Kyle, Mr. John Scott, Mr. Jerry Olson.

There was not previous committee business to consider.

Mr. Jerry Olson explained that his report on the chilled water capacity for the J.O.M.L. complex was now under review by the University's Mechanical section and that he would present it at the next regular meeting.

Mr. Maupin pointed out that the NEW Minnesota energy code is effective next January 31, and that the comfort range in that code is 68° winter and 78° summer. He further stated that any variation in those temperatures in any rooms in the J.O.M.L. complex will have to be submitted and justified to the Health Sciences Planning Office by the specific user.

The architects stated that there would be a need for more chilled water capacity in the complex but that they were unable to predict the percent increase at this time. Mr. Robertson and Dr. Bodley stated that it was their understanding that the total new capacity needed had been incorporated into Unit A and Unit B/C; and wanted the architects to justify this apparent increase. The architects said the forthcoming report would clarify the need. Dr. Bodley requested that these minutes include his statement of "We don't have one hard fact on anything."

Mr. Maupin and the architects explained that J.O.M.L. was still in the "Soft Area" of planning, and reviewed the schedule, or time frame, for the committee. They further stated that the "Hard Facts" to date are the renovation of the 81,000 sq. ft. outlined in the Federal grant, air-conditioning the complex, and the budget of \$7,499,488.

The architects inquired of Mr. Kyle, how the facilities use report was progressing and were told it would be ready the middle of the coming week.

Jerry Olson reported to the committee on the codes and a meeting he'd had the previous day with University code officials -- Gene Kogle and Gus Sheffeler. Mr. Olson said upgrading the complex from the standpoint of the energy code will be considered for only the 81,000 sq. ft.; for the University is now in the process of evaluating all campuses for energy savings and will implement programs over the next few years consistent with the intent of the code. Life/Safety and building safety will be brought up to standards in association with the 81,000 sq. ft. renovated.

The architects will present a list of code discrepancies to the University's code division for clarification.

The architects asked Mr. Maupin and the committee to give their impression of the scope of the project for the minutes. Mr. Maupin replied:

- A. Follow grant document
- B. Create safe environment with respect to air volumes and fume hood operation
- C. Air condition complex
- D. Develop 81,000 sq. ft. mentioned in grant document
- E. Provide options for above items with respect to the fixed budget

Dr. Bodley asked when users would be contacted for input and was told -- December thru January.

The next regular meeting of the committee was scheduled for Friday, December 5, 1975 at 9:30 a.m. in room 4112, Powell Hall.

UNIVERSITY OF MINNESOTA
TWIN CITIES

Department of Pharmacology
Medical School
105 Millard Hall
Minneapolis, Minnesota 55455
(612) 373-3085

November 25, 1975

Mr. Paul J. Maupin, Coordinator
Health Sciences Planning Office
4104 Powell Hall
University of Minnesota
Minneapolis, Minnesota 55455

Dear Mr. Maupin:

We, as members of the Council of Basic Health Sciences and the JOML Building Advisory Committee, are most interested in seeing that the remodeling of the JOML complex proceed as rapidly and smoothly as possible. At this point in time, however, we have certain concerns about the progress to date and would hope that the problems as we perceive them can be resolved with no delay in the plans as projected.

These concerns derive from the following circumstances:

1. There have been no significant planning interactions up to now between the JOML occupants and TAC architects.
2. It has not yet been determined what portion of the total funds, if any, will remain after mandatory general upgrading of the JOML complex, funds which can be applied to renovation of the presently unusable and sorely needed 81,000 sq. ft. of space in the complex. This number has not even been estimated.

Given these circumstances, we are far from certain that we will have a satisfactory opportunity for planning input or that adequate plans can be developed in either 1 1/2 months for the legislative request or in approximately 8 months for bids to be advertized.

We are eager to participate in a meaningful way in this planning and decision making process which is crucial to the mission of the Basic Health Sciences.

Sincerely,

HEALTH SCIENCES

Mr. Paul J. Maupin
November 25, 1975
Page two

COUNCIL OF BASIC HEALTH SCIENCES

F. E. Shideman

F. E. Shideman

Ellis S. Benson

Ellis S. Benson

Charles Carr

Charles Carr

Eugene Grim

Eugene Grim

Morris Smithberg

Morris Smithberg

Dennis W. Watson

Dennis W. Watson

JOML BUILDING ADVISORY COMMITTEE

James W. Bodley

James Bodley

Nelson Goldberg

Nelson Goldberg

Richard Poppele

Richard Poppele

Donald W. Robertson

Donald Robertson

Andreas Rosenberg

Andreas Rosenberg

cc: Vice President French
Vice President Brinkerhoff
Dean N. L. Gault



JACKSON/OWRE/MILLARD/LYONS
BUILDING ADVISORY COMMITTEE MINUTES

DECEMBER 5, 1975

4112 POWELL HALL

PRESENT: Mr. Donald Robertson, Mrs. Virginia Howard, Mr. Dick Hendricks, Mr. Paul Maupin, Mr. James Nelson, Dr. Richard Poppele, Dr. James Bodley, Dr. Nelson Goldberg

ABSENT: Mr. Dale Stroud, Dr. Andreas Rosenberg

GUESTS: Dr. James F. Koerner, Dr. E. Wayne Drehmel, Mr. John Scott, Mr. Jerry Olson, Mr. Harry Wilcox, Mr. Dennis Leslie, Mr. Arnie Cisewski

There were no topics of old business for Committee discussion.

Mr. Olson requested that the minutes reflect the following changes in the minutes of the November 20, 1975 meeting.

1. There is no firm policy on the code implications at this time as it applies to the 81,000 square feet.
2. The schedule is being updated and revised; it will be distributed next week.

Mr. Olson presented four different fan room and chilled water proposals for the Committee to review and comment on at the next meeting. Copies are attached.

Dr. Drehmel questioned the architects about the Committee's understanding that the chilled water capacity for JOML was to have been incorporated into Units A and B/C. Mr. Scott indicated it was never intended that Units A and B/C contain the full load capacity for JOML.

Mr. Maupin explained that the prime responsibility, as defined in the grant, was to complete the renovation of 81,000 square feet of space for the five Basic Sciences departments and air condition the same areas. The entire complex need not be air conditioned; this will be dependent on budget considerations and evaluations at a later date.

Mr. Kyle explained that the program was being updated to exclude Mortuary Sciences and the Medical School Administration; therefore, freeing 11,000 square feet of space for renovation. Meetings are being scheduled for the purpose of meeting with department representatives establishing needs related to the additional space available.

Mr. Kyle said the utilization report should be printed by December 12, 1975.

The meeting was adjourned and it was agreed the Committee would meet at 9:30 a.m. on Thursday, December 18, 1975, in Room 4112 Powell Hall.

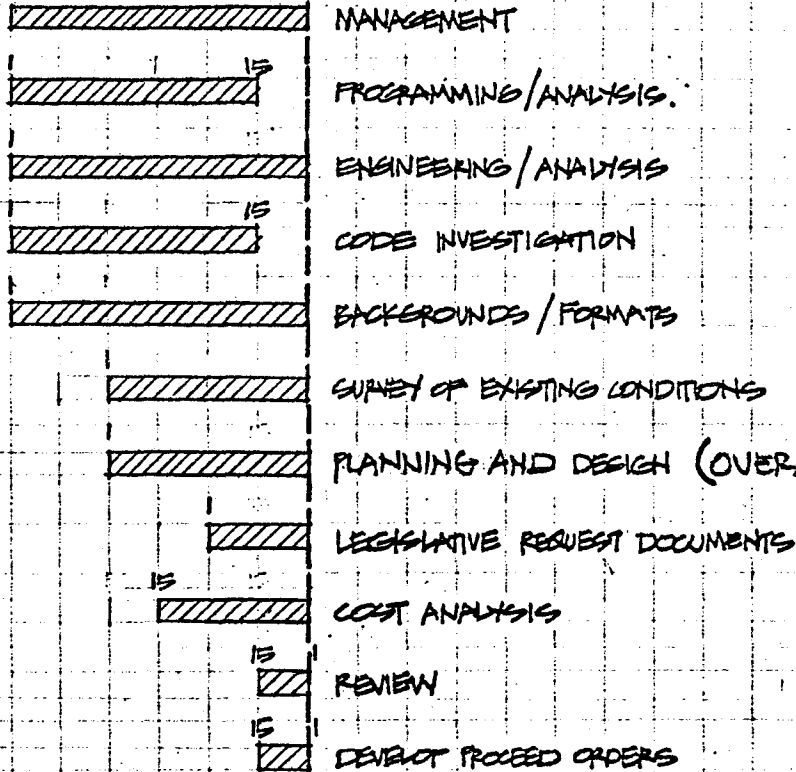
tk

Attachment

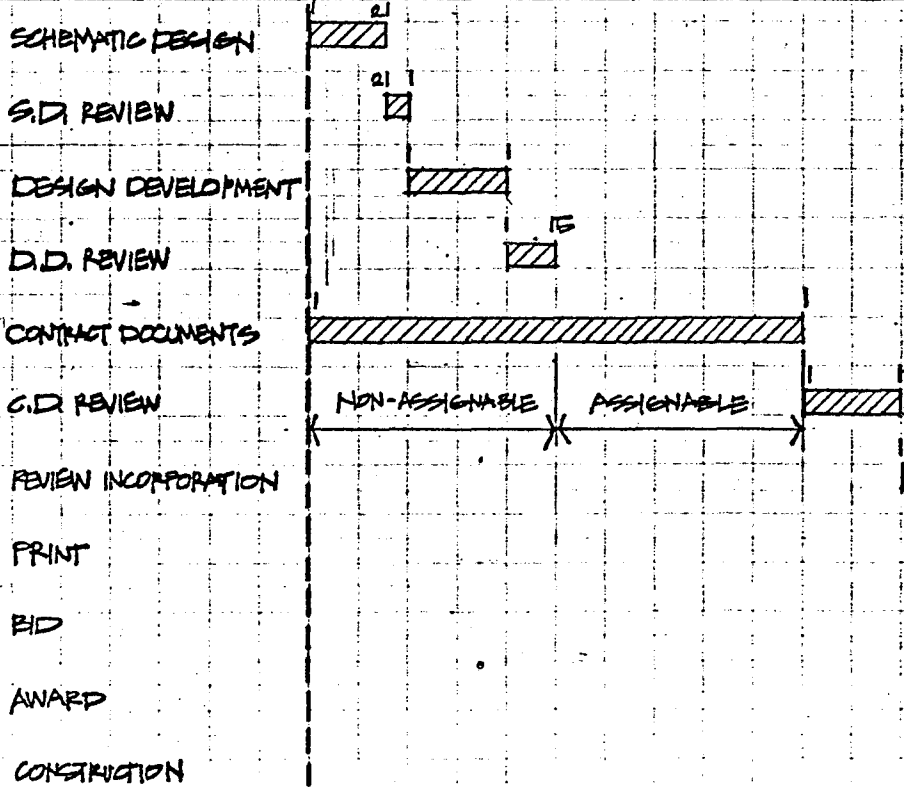
DATE OF LEGISLATIVE
REQUEST DOCUMENTS
1 JANUARY 1976

ADVERTISING DATE
FROM GRANT APPLICATION
21 JULY 1976

O N D J F M A M J J A S O N D



PHASE I



PHASE II

PRELIMINARY SCHEDULE OF EVENTS

JACKSON-DWRE-MILLARD-LYONS COMPLEX REMODELING
HEALTH SCIENCES EXPANSION - UNIVERSITY OF MINNESOTA

THE ARCHITECTS COLLABORATIVE / HEALTH SCIENCES ARCHITECTS AND ENGINEERS



5 NOV. 1975



UNIVERSITY OF MINNESOTA
TWIN CITIES

Department of Biochemistry
Medical School
227 Millard Hall
Minneapolis, Minnesota 55455

RECEIVED

DEC 18 1975

UNIV. OF MINN.
HEALTH SCIENCE
PLANNING OFFICE

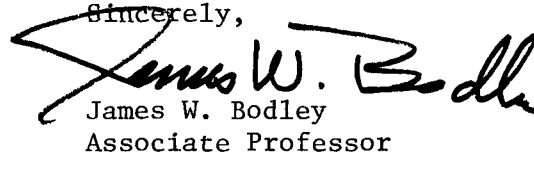
December 9, 1975

Mr. Paul J. Maupin
Health Sciences Planning Office
4104 Powell Hall
University of Minnesota
Minneapolis, Minnesota 55455

Dear Mr. Maupin:

I was greatly encouraged and pleased with the progress which was made at the December 5, 1975 meeting of the JOML Building Advisory Committee, particularly as it represents an openness and candor in the communication of the planners and architects with the faculty. If this trend continues, I am quite confident that the JOML remodeling project will proceed smoothly and result in a significant improvement in the Basic Health Science facilities.

Sincerely,


James W. Bodley
Associate Professor

JWB/cw

cc: Vice President L. French
Vice President J. Brinkerhoff
Dean N. Gault

MINUTES OF

THE JACKSON/OWRE/MILLARE/LYON BUILDING ADVISORY COMMITTEE

DATE: December 18, 1975

PLACE: Room 4112 - Powell Hall

MEMBERS PRESENT: Mr. Paul Maupin, Mr. James Nelson, Mr. Dick Hendricks, Mr. Don Robertson, Dr. James Bodley, Mr. Dale Stroud

MEMBERS ABSENT: Ms. Virginia Howard, Dr. Andreas Rosenberg, Dr. Nelson Goldberg, Dr. Richard Poppele

GUESTS: Mr. Tom Kyle, Dr. Wayne Drehmel, Dr. Fredrick Shideman, Dr. Alfred Barksdale, Mr. Gerry Bratt, Ms. Christi Mickel, Mr. Pete Merz, Mr. John Scott, Mr. Jerry Olson, Mr. Harry Wilcox, Mr. Arnie Cisewski

Dr. Drehmel requested that the previous minutes be corrected in reference to additional square feet available for renovation. The total should read 11,315 square feet.

Further, it was requested to point out the differing views the committee and architects hold on the chilled water capacities available for J.O.M.L. The members have always believed there to be sufficient capacity in Units A and B/C to satisfy the J.O.M.L. needs and the architects have always held the view that J.O.M.L. would have to be augmented with a new chiller in the courtyard to supply the full load capacity. There were no other changes or corrections.

Mr. Olson and Mr. Scott initiated a discussion about the chilled water capacities of Units A, B/C and F. They pointed out that the buildings have increased in area from the original design/development phases and therefore do not have the planned reserve chilled water capacities.

Mr. Bratt questioned the operation of the existing system in Unit A, raising the questions of efficiency and lowering the design temperature relative to the new energy code in an effort to assist the J.O.M.L. project. Mr. Bratt also stated that the chillers were traditionally only 25% of the cost of the system and requested a cost estimate of the distribution system from the architects.

Mr. Scott agreed that some of the load on Unit A could be reduced but he and Mr. Olson were not prepared to estimate the mechanical costs at this time.

Dr. Bodley requested the reviewing of other options and approaches to the air volume control issue. Mr. Merz, of the University's construction division, stated that he has faith in the 1971 air con-

ditioning report prepared by his department. That report suggested a new cooling machine atop Jackson Hall with a 650 ton capacity, and use of the present system in Jackson and Lyon Laboratory to totally control the volumes of all four buildings. Mr. Merz felt Units A and B/C could handle J.O.M.L. if there were not other requirements beyond that. However, he stated that this plan would leave no reserve capacity in the case of down-time on any portion of the system. The 1971 report stated there was 1,200 tons available in Units A and B/C and that 875 tons were needed for Millard and Owre Halls. The architects said their figures did not support the 1971 report. All present agreed it needed further research and clarification. The general consensus of the committee was that the architects should not pursue the plan for an entire new system to replace the existing but that they should follow the guidelines in the 1971 report and augment the present system with the aid of Units A and B/C. Further, it was understood that the budget was the main concern and all felt this new course of design would satisfy the budget requirements more readily.

It was agreed that the architects would identify the areas of critical temperature requirements, such as Physiology's computer rooms, and develop a plan that would work with those areas to insure the desired temperature control. Meetings will be scheduled the week of January 4, 1976, to identify the requirements and areas of specific need in the complex.

Mr. Maupin's view was that the architects should proceed on the basis of the 1971 mechanical report. He stated that at least one element of the project must be bid by July 21, 1976.

Mr. Kyle said he was still working on the revised program and hoped to have it published by the next meeting. He stated he would be contacting members for input.

All present agreed to meet after the holidays in a new conference room, Owre 225, on Wednesday, January 7, 1976, at 1:30 PM.

HSP0:jam

RECEIVED

December 22, 1975

DEC 23 1975

SCHOOL OF PUBLIC HEALTH

TO: Paul Maupin

FROM: Elizabeth L. Grundner *ELG*

SUBJECT: New Health Science Rooms Needed

I gave this information to Gary in your office over the telephone this morning; this is a followup to that discussion.

We anticipate losing the following classrooms:

Mlrd 118	Owre 111
Mlrd 119	Owre 113
Mlrd 128	Owre 117
Mlrd 213	

Movement of all Pharmacy lectures from Appleby Hall to the Health Science complex was also taken in consideration. Space for non health science courses in Jackson-Owre-Millard was not incorporated into projected needs.

Shared classroom needs are as follows:

- 2 150 capacity classrooms primarily for Biochemistry, Dental Hygiene, Pharmacy and Public Health.
- 2 60-75 capacity classrooms primarily for Medical Technology, Physiology and Public Health
- 2 25-30 size seminar room for Nursing and Public Health

You will note the emphasis on Public Health courses above. This Health Science unit uses the Millard-Owre rooms almost exclusively because we cannot fit its courses into Unit A. They must receive consideration in new building classroom needs.

Your list of proposed rooms in units B/C and F indicated a second 350 capacity room. I support this need very strongly; at the present time over 250 medical school students are squeezed into 236 capacity Unit A rooms.

ELG/jep

cc: Milton Trapold
Lee D. Stauffer ✓



UNIVERSITY OF MINNESOTA
TWIN CITIES

Health Sciences Planning Office
Physical Planning
Box 75 Powell Hall
4103 Powell Hall
Minneapolis, Minnesota 55455
(612) 373-8981

JOML
Classrooms

December 29, 1975

TO: Paul Maupin
FROM: Gary Zaworski
SUBJECT: New Health Science classroom space needs with the anticipated loss of the following classrooms in the Jackson/Owre/Millard/Lyons (JOML) renovation:

Owre 111	Millard 118
Owre 113	Millard 119
Owre 117	Millard 128
	Millard 213

All Health Science courses in JOML and all Pharmacy lectures in Appleby Hall were taken into consideration for the projected needs of space. Space for non-Health Science courses in JOML were not incorporated into the projected needs of the Health Science Complex.

The Health Sciences shared classroom needs are as follows:

<u>Number</u>	<u>Capacity</u>	<u>Primary User</u>
2	150 Auditorium	Biochemistry Dental Hygiene Pharmacy Public Health
2	75 Classroom	Medical Technology Physiology Public Health
2	30 Seminar	Nursing Public Health

At the present time proposed spaces in Unit F meet the above needs for the auditorium and classroom space requested.

The above request for two seminar spaces can be met by one of the following:

1. The renovation of vacated out patient clinic space in Mayo can be programmed to meet this space need.
2. Shell space in Unit B/C on the second floor can be programmed to meet this space need.

In reference to the above renovation and vacating of classrooms in JOML, the following restrictions apply. The loss of space is subject to the availability, occupancy and the incorporation of space by the Scheduling Office of the needed shared classroom spaces.