

Office of the Assistant Vice President

May 27, 1971

MEMORANDUM

TO: Mr. Peter Hall, Assistant Director of Physical Planning  
and Design  
Prof. Robert Carter, Dean of Medical Training -UMD  
~~Mr.~~ Paul Maupin, Health Science Planning Coordinator  
Mr. Eugene Kogl, Director of Engineering & Construction  
(or designee)  
Dr. Robert Heller, Assistant Provost -UMD  
Mr. Norman Rick, Superintendent of Plant Services -UMD

FROM: Donald K. McInnes, Assistant Vice President for Physical  
Planning & Design

SUBJECT: Duluth Medical School Advisory Committee

I am hereby requesting that you serve as the Advisory Committee for UMD Medical School planning under the Chairmanship of Peter Hall. The Committee will be responsible for recommendations respecting Medical School physical facilities programming and planning.

I will assume that each of you will accept this appointment unless I hear to the contrary. I will also invite Dr. T. John Leppi as soon as he arrives.

DKM/lh

cc: Provost Raymond Darland  
Vice President Champion  
Vice President Lyle French  
Mr. Hugh Peacock  
Dr. T. John Leppi  
Vice President Stanley Wenberg  
Assistant Vice President Kegler

DULUTH MEDICAL SCHOOL ADVISORY COMMITTEE

3 June 1971

Present: John Anderson, Don Andrews, Robert Carter, Peter Hall, Stan Kegler, Gene Kogl, Kenneth LaMott, Bonnie Martz, Paul Maupin, Nancy Thompson

The purpose of the meeting was to acquaint the Committee with the Gorsline Associates staff and the Gorsline work program; to review the current status of the remodeling project in the Laboratory Building, Duluth; to establish a future working schedule for the Committee; to discuss budget considerations; and to obtain official Building Committee approval to begin construction documents.

The architects have established the following schedule for the remodeling project:

- June 20 Working drawings to the University for review.  
(Technical specifications and mechanical and electrical drawings. The general conditions specifications may require a separate review later.)
- July 5 Project out for bids.
- July 28 Bids received.
- August 1 Award construction contract.
- August 4 Begin construction.
- February 1, 1972 Occupancy.

Gene Kogl expressed doubt that the University would be able to complete the review in two weeks, as June 20-July 5 will be a very busy period. He will discuss the review period with Don Andrews, and notify the Planning Office the week of June 7 of an acceptable date. This should not delay the project more than a week or two, and February 1 could stand as the occupancy date.

Dr. Carter asked whether six months was not too much time to allow for the

remodeling work. Don Andrews explained that much of the equipment must be specially made, which could possibly take four or five months. The time required will largely depend on the quantity of specially made equipment. The casework will also take some time. For the front end specifications work there will be a wait for the contractor's insurance. However, the architects assured Dr. Carter that his faculty should be able to move into the building before the February 1 occupancy date. The offices should be ready in much less time than the laboratories, as the office supplies will be standard and should not be subject to much delay. This would mean calling in the finishing crews twice, and a decision has to be made as to whether it would be worth the added expense.

Miss Martz and Mr. LaMott discussed the Gorsline Associates work program for the Medical Education program at Duluth. Their studies deal primarily with curriculum and programs, and to a lesser extent with physical space. They have made estimates of construction costs, required personnel, and students. In the work program they emphasize the requirements of the two-year program, but they also look beyond this period to develop a long term plan, arbitrarily selecting 1985 as its terminal date.

The work program includes a time schedule, which incorporates monthly meetings and work sessions with the Duluth personnel. The Committee decided to hold the regular meetings on the first Wednesday of every month, at 9:00 in 503 Morrill Hall, unless members are notified that a particular meeting will be in Duluth. Special meetings may be called whenever necessary.

A copy of this work program is included with the minutes. The Gorsline representatives are anxious to receive any comments or criticisms on their work program as soon as possible, because of the tight schedule. Peter Hall asked that any comments on the work program be made before June 10 to the Planning Office staff, who will then communicate them to Miss Martz and Mr. LaMott.

The budget was discussed next. Stan Kegler's office originally estimated the construction costs at \$187,600. They have since revised this estimate to \$228,270. Both figures cover only construction and fixed equipment; they are not estimates of the total project cost, which would require another \$55-65,000. Peter Hall requested that a decision be made on the revised estimate, and exact sources of funding pinpointed, before the project proceeds into bidding documents.

The increase in the estimate is due to an increase in the scope of the project,

not in square footage but in the extent of the remodeling. It is primarily the electrical aspects which are affected.

The total Federal funding for the Medical School is \$160,000. The State Legislature is expected to appropriate \$300,000, with the stipulation that it be used for supplies and fixed and movable equipment. This figure is flexible. \$800,000 has been pledged by private sources. Only \$115-120,000 of this has been received, because most of the pledges are contingent on Legislative approval. Probably 95% of the pledges will be received.

Included in the \$228,270 construction estimate is about \$67,000 worth of fixed equipment. Don Andrews suggested that perhaps this could come out of the \$300,000 State appropriation. The remainder of the estimated construction requirements would then be about \$160,000. This possibility will be examined.

Dr. Carter suggested that costs could be reduced by omitting the ceilings from the offices as well as from the laboratories. The architects agreed to make comparative cost estimates with and without ceilings, but felt that the difference would not be great enough to justify the loss of masking. Dr. Carter emphasized that this building will house the Medical School only temporarily, and that the faculty would be quite indifferent to the finishing of the ceiling and other aesthetic considerations. The architects agreed that all the purely aesthetic points might be examined and discussed with the Medical School representatives.

Peter Hall suggested that for the moment the estimated budget should not be increased from the original \$187,600 figure. The architects, the Medical School representatives, and the Planning Office will meet to discuss areas where costs may be reduced, and the budget will be adjusted accordingly. The question of the budget must be decided in the immediate future, or the project may be delayed. A meeting will be held on June 7 for the purpose of this discussion.

Nancy Thompson

|                  |                               |
|------------------|-------------------------------|
| C: Hale Champion | Gene Kogl                     |
| Don McInnes      | Robert Carter                 |
| Stan Kegler      | Robert Heller                 |
| S.J. Wenberg     | Norman Rick                   |
| W.G. Shepherd    | Paul Maupin                   |
| Lyle French      | Peter Hall                    |
| Ray Darland      | Medical Facilities Associates |
| Robert Bridges   | Lester Gorsline Associates    |

## DULUTH MEDICAL SCHOOL ADVISORY COMMITTEE

Minutes for the Meeting of June 14, 1971, in 503 Morrill Hall

Present: Peter Hall, Chairman, Robert Bridges, Robert Carter, Robert Heller, Norman Rick

Absent: Phil Erickson, Paul Maupin

Guests: T.J. Leppl, Dr. Wayland Swain, Dr. Robert Pozos

Architects: Don Andrews, John Andrews of Medical Facilities Associates

Notice of the official approval of the \$160,000 grant has been received from Health, Education and Welfare, and from the Upper Great Lakes Regional Commission.

As was agreed at the last meeting, Dr. Heller has sent a letter to Don McInnes stating the costs and methods of funding the project. The estimated project cost comes to \$265,000; the available funds amount to \$307,000. These excess funds should assure that the bids will be accepted. The Committee approved the estimated cost submitted by the architects of \$228,270.

As soon as official approval of the grant was received, plans were submitted to the National Institute of Health for the required examination. It is anticipated that this examination will be completed by the end of July, and the project can go out for bids by August 5. This is a month later than was originally anticipated. Construction should then begin September 1, and be completed by March 1, 1972.

Dr. Carter told the Committee that the accreditation team will visit Duluth on September 20, 21 and 22, and it would be unfortunate if construction had not begun by that time.

Gene Kogl's office has had the review for three weeks without comment. Peter Hall will contact Vic Scott and attempt to speed up the process.

The next meeting of the Committee will be at 3:00 on Wednesday, August 4, in 503 Morrill Hall.

*Nancy Thompson*  
Nancy Thompson  
Recording Secretary

C: Committee Members  
Those Present  
Messrs. Champion  
McInnes  
Kegler  
Darland

JUN 30 1971

*Nancy - These  
3 copies should be  
part of the Med-school  
minutes. HH*

**Bureau of  
Health Manpower Education**

**Our Reference: 1C05-PE-04169-01A1**

**Mr. Clinton T. Johnson  
Assistant Vice President  
and Treasurer  
Room 302, Morrill Hall  
University of Minnesota  
Minneapolis, Minnesota 55455**

**Dear Mr. Johnson:**

We are pleased to inform you that in accordance with the recommendation of the National Advisory Council on Education for Health Professions, your amended application for assistance in the renovation of medical teaching facilities at the University of Minnesota Duluth Campus has been approved by the Department of Health, Education, and Welfare. A grant in the amount of \$160,000 is made subject to the provisions of Title VII, Part B of the Public Health Service Act, the Regulations thereunder, the conditions contained in the approved application and in the enclosed Notice of Construction Grant.

This grant is contingent upon compliance with Title VI of the Civil Rights Act of 1964 (P.L. 88-352) and the regulations issued thereunder. It must be emphasized that the Assurance of Compliance (Form HEW-441) signed by the applicant provides that the applicant will operate the program or activity for which Federal assistance is received on a nondiscriminatory basis. This is interpreted to include nondiscriminatory operation of all facilities, including affiliated institutions, within which the teaching program is conducted.

Your attention is directed to Item 5 (D) on the Notice of Construction Grant which specifies that your project be under contract by June 1972. This requirement is consistent with program efforts to encourage prompt utilization of obligated Federal funds.

Please sign all copies of the Notice of Construction Grant and return the original and one copy to this office.

Page 2 - Mr. Clinton T. Johnson

After we receive your acceptance of the grant, the Regional Office of the Facilities Engineering and Construction Agency, DHEW, will be notified and that agency will provide architectural-engineering services. You will be contacted by a representative of FECA concerning future steps in the development of the project.

Please keep us advised of any changes in the approved project which might affect program function, alter the size or scope of the project, affect items of major equipment, or cause delays in putting the project under contract. The address of the Regional Office is as follows:

Regional Engineer  
ROFEC/DHEW  
226 West Jackson  
Room 604  
Chicago, Illinois 60606

An official news release about this grant will be issued by the Department of Health, Education, and Welfare in the near future. However, you may release an announcement of the grant to local news media at any time.

Sincerely yours,

Harry W. Bruce, Jr., D.D.S.  
Director, Division of Physician  
and Health Professions Education

Enclosure

cc: Dr. Robert E. Carter

Bureau of  
Health Manpower Education

ROFEC/Region V  
Attn: Regional Engineer

July 7, 1971

Chief, Architectural and Engineering Staff, DPHPE

A&E Documents

Project Number: 1-C05-CF-04169-01

Institution: University of Minnesota

Address: Duluth, Minnesota 55812

Area Code and Telephone Number: (218) 726-7571

1. Enclosed are the schematic drawings, outline specifications, site plan, Architectural and Engineering Staff Report, and related documents for the Medical School Facilities, Phase I.
2. These items are for your information so that you can provide consultation to the applicant as required. The project has been approved by the National Advisory Council and funds have been obligated.
3. This staff would appreciate being advised of any major changes in the project.

121  
Lawrence C. Gray

Enclosures

cc:  
✓ Dr. Robert E. Carter, Dean, School of Medicine

*Internal University Distribution*

*Dr. Darland*

*Dr. Heller*

*Dr. Vose*

*Mr. Bridges*

*Mr. Peter Hall*

*Mr. David Preston*

*Vice President C.T. Johnson*





UPPER GREAT LAKES  
REGIONAL COMMISSION

OFFICE OF THE FEDERAL COCHAIRMAN

June 23, 1971

Mr. C. T. Johnson  
Treasurer, Regents of the  
University of Minnesota  
302 Morrill Hall  
Minneapolis, Minnesota 55455

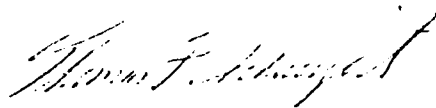
Dear Mr. Johnson:

I am pleased to inform you that the Upper Great Lakes Regional Commission has this day approved a basic grant in an amount not to exceed \$160,000 to help finance the Duluth Medical School.

The terms and conditions of the Federal grant will be set out in a formal offer which will be sent to you by the National Institutes of Health. After the offer has been accepted, that agency will be responsible for supervising the construction of the facilities.

You are cautioned not to make any commitments in reliance on this grant, nor to enter into formal negotiations relative hereto, until you have carefully reviewed the terms and conditions and have determined that you are in compliance or that you can comply therewith. Any commitments or undertakings entered into prior to obtaining the approval of the Government in accordance with its terms and conditions will be at your own risk.

Sincerely,



Thomas F. Schweigert  
Federal Cochairman

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OFFICE OF PHYSICAL PLANNING AND DESIGN  
503 MOPRILL HALL • MINNEAPOLIS, MINNESOTA 55455

TO: Members of the Duluth Medical School  
Advisory Committee

FROM: Peter Nelson Hall **PNH**

DATE: 23 July 1971

SUBJECT: Correction in Meeting Minutes

In the minutes of the June 3, 1971 Duluth Medical School Advisory Committee second page, second paragraph from the bottom, second sentence should read: "The Office of Physical Planning and Design in conjunction with engineering and construction, originally estimated the construction cost of \$187,600".

PNH:smc  
cc: Advisory Committee Members

DULUTH MEDICAL SCHOOL BUILDING ADVISORY COMMITTEE

Minutes for the Meeting of November 17, 1971, in Duluth

Present: Peter Hall, Chairman; Robert Bridges, Robert Carter, Robert Heller, Gene Kogl, John Leppi, Paul Maupin, Norman Rick

The Committee examined the brochures of 38 architectural firms, and selected the following ten firms for interview:

Hellmuth, Obata & Kassabaum Inc., Architects

The Hodne/Stageberg Partners, Inc.

InterDesign Inc. in conjunction with Winsor/Faricy Architects

Medical Facilities Associates in conjunction with Aguar Jyring  
Whiteman Moser, Inc.

Melander, Fugelso, Porter and Simich

Morgenstern Stanius Associates

Perkins & Will

Skidmore, Owings and Merrill

Smith, Hinchman & Grylls Associates, Inc.

Williams/O'Brien Associates, Inc. in conjunction with Skidmore,  
Owings and Merrill

NT:rvo

cc: Building Advisory Committee Members

Messrs: Brinkerhoff  
Cashman  
Shepherd  
Wenberg  
Kegler  
Carlson  
Scheffler  
Soderberg  
Darland  
Pierce

DULUTH MEDICAL SCHOOL BUILDING ADVISORY COMMITTEE

Minutes for the Meeting of May 16, 1972

Next Meeting: May 23, 1972

Present: Eric Wheeler, Chairman; Robert Bridges, Robert Carter, Robert Heller

Absent: John Leppi, ~~Paul Maupin~~

Architects: John Anderson and Robert Hermanson of Medical Facilities Associates; William Moser of Aguar, Jyring, Whiteman and Moser; consultants Bonnie Martz and Ken LaMott of Lester Gorsline Associates

**RECEIVED**

JUN 5 1972

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

Action by:

At the last meeting the Committee agreed upon a general site, which the architects have since explored further. They have moved the building in toward the existing Science Complex and Administration Building to allow for future expansion and parking, and have identified possible locations for roads and pedestrian entrances. Robert Heller suggested that a major entrance should be located in the direction of the Administration Building, as that is a main campus entrance. At the last meeting the Committee discussed extending the second pedestrian system by bypassing the Chemistry Building. This would require an extension from the concourse which would give immediate access to the Medical School Facility.

The architects have developed a concept for relationships of areas within the building. They assume a 4-level structure, with one level below grade, at 40,000 square feet per level. The grade level would contain services, major animal facilities and administration, with the separation between these areas clearly defined. The architects show the upper floors organized according to department, grouping together the administration, laboratories, etc., for each department instead of grouping the different laboratories together.

The Gorsline representatives objected to this interior relationship. They felt that the relationships among the laboratories would be much more important than the relationships between laboratory and department. With the laboratories in close proximity they

can share support facilities, and when necessary one faculty member can supervise several laboratories. Robert Carter agreed, adding that he felt that there would be need for the larger work area which would be obtained by grouping the laboratories together. The distance between faculty offices and research laboratories should not be an inconvenience.

Architects Eric Wheeler suggested that the administrative offices be located on grade but the services and animal facilities be moved to a lower level. The architects agreed to study this arrangement.

The Committee agreed that it would be desirable to mix students and faculty, as the architects' concept indicates, rather than to confine each to a specific area. Gorsline felt that the research/resources area should be located near both students and faculty; that although it could be separated into two parts this would not be desirable. They saw it as strongly related to the Library, although the two areas as currently planned will not be in close physical proximity.

Wheeler The request for funding will be submitted to the National Institute of Health on June 15th. A pre-application conference will be held in Washington D.C. on May 22nd to clarify the application requirements. Robert Carter, Eric Wheeler and Bonnie Martz of Gorsline Associates will attend. Wheeler will coordinate the efforts of the Committee in assembling material for the presentation, and Scott will put the final package together and communicate with the architects, Dr. Carter and Gorsline as necessary. The Committee reviewed the check list for the application and assigned tasks as follows:

Covering Letter: should be signed by Clint Johnson or James

Items 1-6. Routine information to be filled out by Carter's

7-10. Narrative: Carter's office.

11. Source of matching funds: Scott.

12. Does not apply.

13. Total cost: Scott.

14. Site information: Wheeler will coordinate with Scott,

Carter  
Wheeler

15. Construction schedule. Construction cannot begin before 1975 when construction funds will be requested of the Legislature. This could render the Medical School ineligible for funding, because the application requires that the project be out for bid within one year of reception of NIH funds. The NIH application cannot be postponed until Legislative funds are available, because it appears that they will discontinue funding after the coming session. Carter will explore an exception to the time requirement, and Wheeler will discuss the problem with Hugh Peacock.
16. Budget: Scott, with input from architects.
17. Space allocation for Medical School: Scott.
18. Eligible costs: Scott.
19. Assurances: Johnson or Brinkerhoff.
20. Certification: Johnson.

NT

C: Building Advisory Committee Members

Messrs. Brinkerhoff  
Cashman  
Shepherd  
Wenberg  
Kegler  
Carlson  
Hewitt  
Scheffler  
Soderberg  
Trapold  
Bowen  
Kopletz (3)  
Licht  
Darland  
Pierce  
Stebbins  
French  
Peacock

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OFFICE OF PHYSICAL PLANNING AND DESIGN  
503 MORRILL HALL • MINNEAPOLIS, MINNESOTA 55455

TO: All Duluth Building Advisory Committee Members  
FROM: Nancy Thompson, Recording Secretary  
DATE: 18 May 1972

The following schedule will be in effect for meetings to be held on Tuesday, May 23rd, in the Regents' Room, Duluth Campus:

- 9:30 Landscaping  
Peter Hall, Eric Clarke, Raymond Darland, Ken Stebbins
- 10:30 Physical Education Building Advisory Committee  
Eric Wheeler, Robert Bridges, Holger Christiansen, Peter Hall, Robert Heller, Paul Koptetz, Francis Moore, John Polewczak, Norm Rick, Ward Wells, architects Parker-Klein Associates
- 1:00 Medical School Building Advisory Committee  
Eric Wheeler, Robert Carter, Robert Heller, Paul Koptetz, John Leppl, Paul Maupin, Norm Rick, Ken Stebbins, architects Medical Facilities Associates and Aguar, Jyring, Whiteman and Moser

DULUTH MEDICAL SCHOOL BUILDING ADVISORY COMMITTEE

Minutes for the Meeting of May 23, 1972

Next Meeting: June 13, 1972

Present: Eric Wheeler, Chairman; Robert Bridges, Robert Heller, John Leppl

Absent: Robert Carter, Paul Maupln

Guests: Paul Anderson, Edwin Haller, Wilmar Salo

Architects: John Anderson and Robert Hermanson of Medical Facilities Associates; William Moser of Aguar, Jyring, Whiteman and Moser  
Ken Stebbins, Duluth Campus Master Planner

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JUN 5 1972  
UNIV. OF MINN.  
HEALTH SCIENCE  
PLANNING OFFICE

Action by:

Eric Wheeler reported on the pre-application conference which he and Robert Carter attended. NIH expects 80-100 applications for the remaining funds; they therefore suggested that our application be kept short (around 100 pages) and to the point. They will review the applications in mid-July, and will probably make no site visits.

NIH is particularly interested in the number of new students who will become involved in the program because of the construction, and the construction cost per student. The Duluth facility should be well within the acceptable range on both items.

An approved application may be put on the active funding list or returned for reapplication (approved but not funded), although it is unlikely that there will be any further funds. If the Duluth project is funded this may be for any amount up to 80% of construction cost. It was suggested that we reduce our request to the absolute minimum because of the shortage of NIH funds and the lack of time for negotiation.

NIH confirmed the requirement that projects must go out for bid within approximately one year of funding. Technically this would disqualify the Duluth Medical School, if we must depend on matching Legislative funds which will not be available until 1975, if then. Dr. Carter consequently feels that the Committee should proceed with the application, but should also pursue Upper Great Lakes Regional Commission funds, for which there will be little or no competition.



These funds could be used in conjunction with the NIH application or with the Legislative appropriation if NIH does not fund the project.

NIH approved the type of drawing which the architects are using and suggested that future expansion should be indicated. They questioned the location of the Medical School Library with the campus library rather than with the Medical School, but did not regard this as an insurmountable objection.

The Committee reviewed the architects' revised drawings.

The architects propose a pedestrian system which would extend Concourse A to the Medical School, and tie into an upper level. This would strengthen the existing artery system.

The architects have reexamined proximity needs within the building and developed the following arrangement: (1) The ground level would include support services, to receive and vertically distribute supplies; the gross anatomy area, as it would be less obtrusive here; the main animal holding area; and an administrative area, well separated from the other areas. (2) The second level would be the teaching level, and could tie into the campus circulation system. (3) The third and fourth levels would contain office and research areas. Animal holding for the laboratories would be stacked directly over the main animal holding area, and would be connected by a separate vertical circulation system. The architects have departed from Gorsline's recommendation by splitting the large resource materials area according to student-oriented and faculty-oriented materials, but Gorsline had felt that this would be acceptable. The Committee agreed that these plans could be submitted with the NIH application.

A suggestion was made that this building be tied together with the Chemistry Building, but it was pointed out that space should be left for the potential expansion of both buildings and to maintain vehicular access to Chemistry and the greenhouse.

NT

C: Building Advisory Committee Members and Guests

|         |             |           |             |
|---------|-------------|-----------|-------------|
| Messrs. | Brinkerhoff | Hewitt    | Kopietz (3) |
|         | Cashman     | Peacock   | Licht       |
|         | Shepherd    | Scheffler | Darland     |
|         | Wenberg     | Soderberg | Pierce      |
|         | Kegler      | Trapold   | Stebbins    |
|         | Carlson     | Bowen     | French      |



UNIVERSITY OF MINNESOTA

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

**RECEIVED**

**SEP 27 1974**


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

September 25, 1974

TO: Lloyd Beck  
Robert Bridges  
Robert Carter  
Robert Heller  
T. John Leppi  
✓ Paul Maupin  
Eric Wheeler

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

SUBJECT: Building Advisory Committee, Duluth Basic Science Building



I would appreciate your serving on the reactivated Building Advisory Committee for the Duluth Basic Science Building Committee under the chairmanship of Eric Wheeler. The primary responsibility of the Committee at this time will be to review and evaluate the existing program with special reference to the Duluth Facilities Study. A revised program document should be prepared and submitted to this office for review before proceeding into the next phase.

Mr. Wheeler will be contacting you shortly concerning the first meeting of the committee. If you are unable to serve, please let me know.

JFB/CH/kh

cc: Vice President Walter Bruning  
Provost Raymond Darland  
Vice President Lyle French  
Asst. Vice President Clint Hewitt

Minutes for the meeting of January 8, 1976

Next Meeting: Thursday, January 29, 9:30 a.m., Library of Administration Bldg.

Present: Eric Wheeler - Chairman, Lloyd Beck, Jim Boulger, Robert B. Bridges, Jeff Dolejs, Bill Fay, Robert Hermanson, John LaBree, John Lepore, Harry Olsen, Par Satre, Larry Thompson, Willard Thorsen

JAN 20 1976  
UNIV. OF MINN.  
HEALTH SCIENCE  
PLANNING OFFICE

### Design Development Documents

The architects presented the design development plans to the Committee. This included drawings, outline specifications, fixed equipment specifications (conventional casework will be used), and an energy conservation report.

A brief overview of the design was given, stressing the areas that had been modified since schematics. Some of these modifications concerned the access to the Chemistry Building, a bigger incinerator, the student lounge now closed off from the main circulation, and the location of the secretarial areas in the center of each group of departmental offices. A few of the important rooms (educational resources and classroom areas and a typical suite of offices) had been blown up to larger scale for the Committee's review.

The engineers reviewed the mechanical and electrical drawings, which had been greatly expanded since schematics, including sanitary and storm sewers, water and gas services, tunnel system, incinerator and heat recovery tank, ventilation, plumbing, lighting plans, and the mechanical penthouse. They stated that there had been an overall increase of 8,000 sq. ft. in the tunnel system and penthouse due primarily to the inclusion of energy conserving devices. Considerable discussion was held on the necessity of including the incinerator. A substantial savings could be realized if it could be eliminated. The engineers as well as the faculty will investigate this possibility.

### Cost Reduction

The architects cost estimate for the facility indicated that the project is again well over the budget of \$6,200,000.

Some of the areas which the architects feel will have to be looked at in terms of cost reduction are the general and mechanical construction, fixed equipment (18% to 25% cutback), and the incinerator. There will also need to be a list of deduct alternates when the project goes out for bids.

The School of Medicine faculty will meet concerning cost reduction in the fixed equipment area. Non-program related reductions will be handled by the architects and the Planning Office. A list of deduct alternates will be prepared by the architects and submitted to the Committee.

Schedule

The early bid package (footings, foundation, and ground floor slab) proposed by the architects has been accepted by the Planning Office, and it will be bid in early June with construction to start in early July. The main package will be bid in August.

Next Meeting

The next meeting, to review cost reduction efforts, will be held at 9:30 a.m. on Thursday, January 29, 1976 in the Library of the Administration Building.

DEW:hcd

C: Building Advisory Committee members  
Messrs. Brinkerhoff, Hewitt, Linck,  
Wilderson, Kegler, Bruning,  
Koffler, French, Scheffler,  
Soderberg, Carlson, Fulop,  
Kopietz, Darland, Pearce,  
Stebbins, Kittelsen, Trojanek,  
Odlaug, Thompson, Rapp,  
Alexander