

# HSAE

HEALTH SCIENCES ARCHITECTS AND ENGINEERS INC  
UNIVERSITY PARK PLAZA SUITE 704 2829 UNIVERSITY AVENUE S.E. MINNEAPOLIS, MINNESOTA 55414 (612) 378-3833

4 June 1979

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

Regarding: Diehl Hall Remodeling Project  
Health Sciences Expansion  
University of Minnesota

Dear Mr. Hewitt:

Enclosed is a draft of a letter authorizing us to resume work on the Diehl Hall Remodeling project. I believe I have developed the letter agreement in accordance with the contractual basis discussed with you last week.

The letter authorizes us to resume work on Diehl Hall based upon the Owner-Architect Letter Agreement dated September 17, 1974. I have modified and supplemented the contractual conditions so that they are consistent with our most recent contracts with the University.

Please contact me if you have any questions concerning the draft copy developed for your review and use.

Sincerely,

HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC.



Duane E. Blanchard

DEB/kn

Enclosure

cc: Mr. Paul J. Maupin - HSPO  
Mr. John Patterson - TAC

4 June 1979

THE ARCHITECTS COLLABORATIVE, INC. AND  
HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC.  
University Park Plaza, Suite 704  
2829 University Avenue Southeast  
Minneapolis, Minnesota 55414

Dear Sirs:

The purpose of this letter is to authorize the resumption of work on the Diehl Hall Remodeling portion of the Unit B/C project as identified in the Owner-Architect letter agreement dated September 17, 1974. The work is to be resumed in accordance with the following understandings and conditions.

A. THE ARCHITECTS COLLABORATIVE, INC. and HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC., a Joint Venture, are hereby authorized to provide professional services to the University for the design, bidding and construction phases of the project segment identified as Diehl Hall Remodeling. It is understood the HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC. will assume the primary responsibility for the project and that the architectural and engineering work will be done in Minnesota.

B. The project segment includes the addition of a Learning Resources Center and revisions to the library space on floor two, including the remodeling of the existing Scientific Apparatus Services space for Library use. The total area included in the project scope is approximately 32,000 square feet. The construction of this work is to be done as a single prime contract and the construction work is to be substantially complete for Owner occupancy by November 1980. The total construction cost is set at \$755,786.00.

C. The Architect shall provide for the project segment complete architectural and engineering services. The Schematic Design and Design Development Phases shall be done as a combined phase, based upon the revised University program and prior design work done. The Construction Documents, Bidding and Construction Phases shall be done in accordance with the referenced Owner-Architect agreement, appropriate to the scope of the work. Periodic site visits and attendance at scheduled meetings of the Contractors and the University shall not exceed one half day per month during the Construction Phase.

D. Compensation for the Architect's professional services shall be based upon the referenced Owner-Architect agreement and shall be applied to the work phases as follows:

1. Combined Schematic Design and Design Development Phase  
This work shall be done on an hourly basis to account for prior work done which is reusable. The total fee for this phase shall not exceed 30% of the base fee on the latest estimated construction cost approved by the University without prior approval.
2. Construction Documents Phase  
The total fee for this phase shall not exceed 40% of the base fee on the latest estimated construction cost approved by the University.
3. Bidding Phase  
The total fee for this phase shall not exceed 5% of the base fee on the base bid amount for all work designed and specified by the Architect.
4. Construction Phase  
The total fee for this phase shall not exceed 20% of the base fee based on the total amount of the contracts awarded.

E. The Architect shall, at his own expense, furnish the University up to six sets of all drawings and documents required for the Combined Schematic Design and Design Development Phase, including one set of reproducible transparencies of the drawings and up to ten sets of working drawings, specifications and addenda used for bidding purposes. Additional copies shall be paid for by the University at the actual cost to the Architect.

F. The University shall, so far as the work under this agreement may require, furnish the Architect with complete and accurate survey data on all floor elevations and full information as to sewer, water, gas and electrical services to the building and "as-built" drawings of existing building systems and conditions.

The University shall pay for chemical, mechanical, or other tests as requested by the Architect, but it is expressly understood and agreed that in so agreeing to pay for such tests, the University is not responsible for their adequacy for the purposes used nor for any conclusion drawn therefrom.

The University shall furnish a written functional space program for each departmental area, including a description of the function of each room, required area, fixed and movable equipment and furnishings and other relevant design criteria.

For any area with extensive equipment (i.e. lab equipment, etc.,) and the equipment is not a part of the construction contracts or design services

THE ARCHITECTS COLLABORATIVE, INC. AND  
HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC.  
4 June 1979  
Page Three

under this agreement, the University or its consultants shall provide the Architect with 1/4" plans of the equipment and facilities, including rough-in layout, elevations as required to explain the installations, a list of all equipment with their characteristics, and location and size requirements of hot and cold water, steam, gas, electric, exhaust and other service requirements and loads. The Architect shall be entitled to rely on, and not be responsible for, the accuracy and completeness of data provided.

If this authorization to resume work on the Diehl Hall Remodeling project meets with your approval, please sign three copies and return to this office.

Sincerely,

Clinton N. Hewitt  
Assistant Vice President  
Physical Planning  
University of Minnesota

APPROVED:

THE ARCHITECTS COLLABORATIVE, INC.

By \_\_\_\_\_

Title \_\_\_\_\_

HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC.

By \_\_\_\_\_

Title \_\_\_\_\_

## DIEHL HALL LEARNING RESOURCE CENTER/LIBRARY REMODELLING PROJECT

## PROGRAM DESCRIPTION

## I. Learning Center Program.

Learning Resource Center will provide an educational environment for health science students so that they can utilize learning materials which have been identified as components of a course or a curriculum plan. The Learning Center will provide:

1. Facilities and equipment for individual and small group use of learning materials.
2. A collection of print and non-print learning materials.
3. Space for staff support services.

## II. Space requirements.

## A. Lobby and entranceway.

1. Entrance from the B/C corridor should be designed to encourage those users who are going to the library, as opposed to the Learning Center, to use the stairs to the main floor rather than cut through the Learning Center. Traffic from the corridor will average about 1,500 per school-year day, 2/3 may use Learning Center entrance.
2. A book drop should be accessible from the lobby to allow users to return materials after hours, such as for the return of overnight loans before the Learning Center opens.
3. A display area and directory in the lobby is desirable.
4. The lobby will probably be used as a smoking areas as it is on levels 3, 4 and 5.
5. The entrance from the corridor will also be used by people going to the labs on the same floor or to offices and labs on levels 1, 5 and 6.

## B. Desk area.

1. At least one attendant will be at the desk at all times. Desk should accommodate two attendants.
2. An exit control system (3-M Tattletape system) is required which can be easily monitored by the attendant at the service desk.

3. Attendant at the desk must be able to visually monitor the carrel and reading areas.
4. Users will be coming to the service desk from the B/C corridor, the library, the carrel areas, the reading areas, and the interaction rooms (former labs). All this traffic needs to be monitored from the desk.
5. Entrance and exit from behind the desk must be convenient to the carrel areas to allow staff members to assist and instruct new users and to spot and assist those appearing to be having trouble.
6. The desk area must be visible from offices, although book stacks may partially obstruct the view. There should be some means of communication with the offices and workrooms, such as a buzzer or intercom, to call a "back-up" person from the office during busy periods.
7. Equipment at the service desk.
  - a. Phone which can be picked up in the two offices with an intercom link with the library circulation and reference areas.
  - b. A microfiche reader for student roster and the microfiche catalog.
  - c. A CRT computer terminal will be located at the desk and, at some point in the future, a computer-based circulation system will be installed. Conduit to in-house computer will be required.
8. Service desk counter will also be used for computer printouts, class handouts, etc.
9. Shelving requirements for service desk area
  - a. A.V. material, 500 programs.
  - b. Print material, 400 volumes.
10. Space at desk for miscellaneous materials and equipment such as CAI manuals, equipment carts, book trucks, microscope paraphernalia, tools, etc.
11. Work space at service desk for various tasks done by the desk attendant when desk is not busy, such as labeling materials, sorting photocopy pages, etc.
12. Book return for materials used in the Learning Center.

C. Offices for 2 full time staff and 5 FTE student assistants.

1. Librarian's office.

Desk, wall bookshelves, small table and two or three side chairs.

2. Office and work space for assistant.

Desk for library assistant, desk or work table for student assistants, file cabinet, bulletin board, space for storage of office supplies, and facilities for duplicating audio cassettes.

D. Storage and work room space (old lab area will be used)

1. Ramp to lab area to move book trucks and equipment.

2. Shelving space for 2,000 A.V. programs.

3. Workspace for preparation of materials for loan to other libraries, processing material, etc.

4. Storage space for supplies and unused equipment.

5. Space for copy cameras to be managed by Biomedical Communication Dept.

6. Recording area.

E. Carrels

1. Approximately 110 carrels in three groupings. Group A will be those nearest the desk, adjacent to interaction rooms 1 and 2, and will be fully equipped. Group B will be to the left center, also fully equipped. And Group C will be in the area with the lowered floor and will not initially contain equipment.

2. Carrels will primarily be used for viewing videocassettes and slide/tape programs, but also will be used for some specialized material such as microfiche, 8mm film, phonographs, etc.

F. Tables

1. Print materials, such as books, reprints of journal articles, lecture notes, old exams, will require space for readers.

2. Some models may be located on tables.

G. Interaction rooms 1 or 2.

The rooms will be used to house models of various kinds and for microscopes.

H. Special services.

1. Computer terminals. Facilities for use of computer-assisted instruction should be located fairly close to the service desk. Area will require telephone connections for computer terminals, only two are used at present, but six should be planned.
2. Microcomputer. Free standing unit to be located near computer terminal.
3. Photocopy machines. Space for self-service, coin-operated photocopy needs to be located in an area close to the service desk.

I. Interaction rooms (old lab area).

Interaction rooms will be used by groups of students who wish to study together or use audio-visual materials in a group. Some interaction rooms will be set up with video or audio/slide equipment, others will be provided with equipment which is moved in from the service desk on portable carts as required. Interaction rooms will be signed out and controlled from the service desk. Some interaction rooms will also serve as preview rooms or faculty consulting and material development rooms.

III. General requirements

- A. Lighting. Reading areas require normal library lighting. Carrel area may have lower lighting requirements if carrels have individual lights.
- B. Floors. The area should be carpeted to reduce noise of the audio visual equipment and traffic.
- C. Washrooms. The washrooms need to be accessible from the library area, and from the Learning Center whenever it is open.
- D. Security. When the Learning Center is open longer hours, such as during test periods, entrance to the library will be locked and access to the stairwell to the main entrance of Diehl Hall must be open. Entrance to the corridor should be closed to prevent unauthorized individuals from gaining access to B/C.



- E. Open Shelving. Some materials will be on reserve at the desk and will require users to sign them out at the desk. Other materials will be on open shelves and be freely accessible to students. Use will be restricted to the Learning Center or library but may be checked out for short term periods.
- F. Bulletin Boards. Space near the main desk, in full view of in-coming traffic, is required for notices, special lists of audio-visual materials, class assignments, new materials, etc.
- G. Smoking. Smoking will be allowed only in selected interaction rooms or in the lobby.
- H. Partition. The partition between the Learning Center and the library should be part glass, particularly along the main traffic areas to allow users to visually orientate themselves to the floor and to locate convenient areas for study. It is expected that certain amounts of material would probably be taken out of the Learning Center into quieter areas of the Library for use, particularly for print materials, and the reverse may also be true. This poses no particular problem since the library makes hourly pick-ups of materials that are left on tables; this would include the Learning Center. Materials in the Learning Center or the library are clearly marked so that shelvers will know where they belong.

#### IV. Library Portion of Level Two

##### A. Book Stacks.

Book stacks need to be laid-out in a logical, easy to understand manner so that the shelving of journals can easily be followed from row to row, section to section.

##### B. Reading spaces

Tables need to be adjacent to all stack areas to provide convenient areas for reading library materials. Every effort should be made to provide maximum use of space for book stacks without unduly crowding reader spaces. Carpeting of primary reader spaces in the library should be included if possible. Individual study tables preferred, but not available from library's equipment inventory.

2 8/13/79

# HSAE

HEALTH SCIENCES ARCHITECTS AND ENGINEERS INC  
UNIVERSITY PARK PLAZA SUITE 704 2829 UNIVERSITY AVENUE S.E. MINNEAPOLIS, MINNESOTA 55414 (612) 378-3833

10 August 1979

AUG 13 Rec'd

UNIV. OF MINN.  
HEA  
05  
02

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

RE: Unit B/C Phase I-A  
Diehl Hall Learning Resource Center  
Library Remodeling Project

Dear Mr. Maupin:

Enclosed is our proposed schedule for the design and construction of the subject project which is transmitted for your review.

We have recently begun the schematic design/design development phase which is expected to be complete for submission to the Universtiy for review the fourth week in September. With completion of this phase, we will also provide an estimated construction cost for your evaluation. As discussed in our meeting of August 1st, however, we are in need of the User's narrative description of space use to allow our work to proceed.

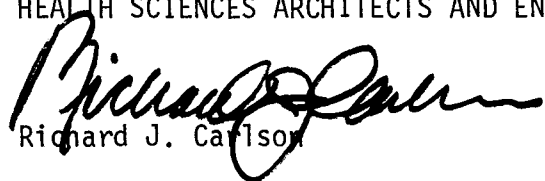
The schedule further indicates substantial completion of the Project for Owner occupancy the end of August, 1980 with final completion thirty days thereafter.

We will contact Bob Swanson within the next few days for an early meeting to review certain aspects of the project and to gain further clarification of program needs.

If you have any comments regarding the proposed schedule, please contact us.

Sincerely,

HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC.

  
Richard J. Carlson

RJC/kn

Enclosure

cc: John Patterson

1979

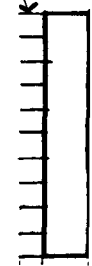
1980

MONTH	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	
ARCHITECT/ ENGINEER TAQ/HSAR			SP/DD		CONTR. DOP.			FIN.											
UNIVERSITY		PROGRAM					REV.			AWARD									
CONTRACTOR									BID					CONSTRUCTION (6 1/2 MONTHS)					SUBSTANTIAL COMPLETION

UNIT B/C PHASE I-A  
 DIEHL HALL LEARNING RESOURCE CENTER  
 LIBRARY REMODELING PROJECT  
**PROJECT SCHEDULE**  
 COMMISSION NUMBER 320.02

**LEGEND**

MARKS INDICATE APPROX.  
 NO. OF WEEKS PER EVENT



FEBRUARY 26 1979, REVISED AUG. 8, 1979  
 HEALTH SCIENCES ARCHITECTS AND ENGINEERS INC.

THE ARCHITECTS COLLABORATIVE, INC.  
HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC.

UNIVERSITY OF MINNESOTA  
HEALTH SCIENCES EXPANSION

AUG 29 Rec'd

UNIV. OF MINN.  
HEALTH SCIENCE  
PLANNING OFFICE

MEMORANDUM

MEMO TO: Unit B/C Phase I-A Diehl Hall - Commission No. 320.02  
MEMO BY: Michael Pederson  
DATED: 23 August 1979  
SUBJECT: Design Development Review Meeting  
PRESENT: Glenn Brudvig, David Garloff, Paul Maupin,  
Robert Swanson, Richard Carlson, Michael Pederson.

ITEM

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1. Proposed project schedule was discussed. It was pointed out that the construction phase would have to be accomplished in two stages in order to allow the moving of the books and stacks to the new location with minimal disruption to the library functions. It was suggested that a one to two week period would be needed to make the actual move. The stack area will be accessible from the main floor library area (Third floor) by use of the existing open stair.
2. The Architect pointed out that we were looking to reduce the number of toilet fixtures and therefore the space needed. It was agreed that the number of fixtures should be based upon the projected population of the entire 2nd Floor library learning resource center including remodeled support spaces to the west. Using an occupant load of 5-600 (which should be generous) and the State Building Code Table 17B, a total of only four fixtures would be required.
3. The wall at Grid 9 between the library area and the LRC should be glazed from at least Grid C to Grid G to allow visible contact with the stack area. Glazing should be from 3'-6" above floor to ceiling, to allow lower portion of wall to be used for shelving, etc.
4. 2 pair of doors, one on either side of the stair, will be provided connecting the library stack area with the LRC. These will normally be left standing open but will be lockable in order to secure the library while the LRC is open later hours.
5. The present lighting layout is adequate for both the stack areas and the reading areas. There is a desire however to have separate switching for the separate areas such as the carrel areas, etc.
6. It was suggested that because of the budget constraints, the present lighting and ceiling system should remain and be extended.

7. The carrels for the LRC are self contained modules and need only an electrical outlet nearby for power. It would be desirable to have as much flexibility as possible to allow for changes in the carrel layouts. A power supply grid layout of some sort from either overhead or from the floor could provide the flexibility. The possibilities include providing power poles from ceiling, power down existing building columns and along floor, under carpet, in a floor trench system. The Architect will study the various possibilities. Mr. Garloff will be providing the desired number and layout of the carrels.
8. All stacks, study tables, carrels, individual study desks, etc., are to be Group II existing or new.
9. The controlled check out system and entrance are part of the contract. 3M's Tattle-tale system will be specified.
10. The stack layout may change, providing better aisle arrangements. Mr. Brudvig will provide sketch of desired layout.
11. The two existing conference rooms to the north, and the existing Hospital Administration Library will remain as they are, except for the addition of carpet and painting. The partitions will remain in their present location.
12. The possibility of omitting the carpet at the stacks and the aisles between the stacks was suggested as a way of saving some money. This area would then be V.A.T.
13. Mr. Maupin suggested that the scope of this project extend only to Grid 6 thereby eliminating the stair and ramp to the west of the two new doors to the A.V. storage area. The doors and frames will be provided however.
14. The Owner expressed a desire to open Stair A at the Second Floor, in order to encourage the use of the stair by library patrons, instead of having them pass through the LRC. This stair however, is a required exit and needs a 2 hour enclosure. It may be possible to provide doors into the stair on hold open devices which would release when activated by the Fire Management System.
15. The lobby should provide space for a directory, display, seating for smokers, an after hours book drop, and should encourage the use of both the stair and the elevator for access to the library entrance on the Third floor and discourage library traffic through the LRC.
16. Security should be provided at the Diehl Hall and Unit B/C interface so that the LRC can operate after hours with access to Third floor via the stair. There may be hardware changes necessary at the stair at the upper and lower floors to allow the LRC patrons access at Third floor lobby and Second floor only.
17. Mr. Brudvig provided much needed programming information which was requested at the last meeting.
18. A code review meeting should be set soon. The question of whether or not Fire Management System will be required and connected to Unit B/C also needs to be determined.

THE ARCHITECTS COLLABORATIVE, INC.  
HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC.

UNIVERSITY OF MINNESOTA  
HEALTH SCIENCES EXPANSION

MEMORANDUM

MEMO TO: Unit B/C Phase I-A  
Library Remodeling Project  
MEMO BY: Michael Pederson  
DATED: 6 September 1979  
SUBJECT: Code Review Meeting

SEP 11 Rec'd

UNIV. OF MINN.  
HEALTH SCIENCES  
PLANNING OFFICE

PRESENT: Paul Maupin, Robert Swanson, Don Herron, Ron Holden, Gary Hall,  
Richard Carlson, Michael Pederson.

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Richard Carlson gave a rundown of the project describing the architect's interpretation of applicable code requirements.

It was agreed that there should be a one hour separation between the library spaces and the existing lab spaces to the west. This will occur generally at Grid 4 and will be accomplished by the University remodeling efforts, and will not be a part of this contract.

Don Herron and Ron Holden expressed that the existing two hour separation between Unit B/C and Diehl Hall is not sufficient as an "area separation" between two separate buildings. This appears to be in conflict with the original B/C code analysis done in 1975 where a two hour separation was used with openings protected by one and one-half hour B label doors.

The new opening from the B/C corridor to the Learning Resource Center will have to be a three hour A label rolling shutter instead of a one and one-half hour B label.

There is a desire to keep B/C and Diehl Hall separate in order to avoid major alterations to the existing B/C fire management system. The B/C fire management system will not be extended into Diehl Hall.

The Diehl Hall fire management system was not remodeled as had been planned. The existing manual alarm system will be expanded as appropriate for the second floor remodeling area. In addition, the alarm should be tied into the alarm system @ Unit A.

Sprinklers will be necessary throughout the project area because it is a below grade space. This requirement may mean changing the existing ceiling system if the sprinkling system cannot easily be installed around the existing grid.

cc: Paul Maupin  
Don Herron  
Ron Holden

kn

THE ARCHITECTS COLLABORATIVE, INC.  
HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC.

UNIVERSITY OF MINNESOTA  
HEALTH SCIENCES EXPANSION

OCT 9 Rec'd  
UNIV. OF MINN.  
HEALTH SCIENCES  
PLANNING DIVISION

MEMORANDUM

MEMO TO: Unit B/C Phase 1-A  
Diehl Hall Remodeling  
MEMO BY: Michael Pederson  
DATED: 3 October 1979  
SUBJECT: Meeting with User to Discuss Stack and Carrel Arrangements

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1. Problem of useage of elevator by people and for the transporting of animals was discussed at length. Paul Maupin will pursue this with the various users involved.
  2. It was requested by the users that the lounge seating just inside the LRC entrance be eliminated, and that more carrels be located in the area. The adjacent reading tables should also be located elsewhere, in order to move more carrels closer to service desk and entry. It is preferred that these carrels be of the TV equipment variety.
  3. The entrance turnstiles must be specified to be equipped with counting mechanisms.
  4. The Hamilton collection (Hospital Administration Library) will be moved, and the surrounding partition should be demolished. This area will then be used for stacks and reading tables.
  5. The microcomputer and counter at the west end of Stair E should be eliminated. The microcomputer will be located at leftover space at computer terminal area.
  6. Eliminate tackboard at south of Stair E, but add tackboard at west of Stair E.
  7. Eliminate one row of stacks at northeast, and add shelf for the purpose of book returns.
  8. Remove existing west ramp and add steps, and leave existing east ramp in.
  9. New stack total should be 572.
  10. Phased construction should allow for the completion of the east half of the project first (east of Grid 9). The elevator and Stair E to Floor 3 must remain accessable to the user, however.
  11. Individual study desks should not be located head to head.
  12. Phones/intercoms should be located at counter and offices only.

13. It was suggested that lighting levels at the carrel areas be adjustable. Fluorescent fixtures are not dimmable, so it would mean multiple switching of the fixtures. This, however, would require major modification to the existing panelboards, etc., which are presently set up to switch each quadrant of the room separately. The new fixtures are of a low glare variety and should not interfere with the viewing of the TV and slide projection screens.
14. Prices for alternate ceiling systems (i.e. open vs. new acoustic or refurbished existing) should be included in the design development package.

cc: Peter Bass  
Dr. Holland  
Paul Maupin ✓  
Glenn Brudvig  
David Garloff

bs





UNIVERSITY OF MINNESOTA  
TWIN CITIES

Health Sciences Planning Office  
Physical Planning  
4103 Powell Hall, Box 75  
500 Essex Street S.E.  
Minneapolis, Minnesota 55455  
(612) 373-8981

October 12, 1979

Mr. Richard Carlson  
Health Sciences Architects & Engineers  
University Park Plaza - Suite 704  
2829 University Avenue S.E.  
Minneapolis, Minnesota 55414

Subject: Unit B/C Phase I-A  
Design/Development Documents

Dear Mr. Carlson:

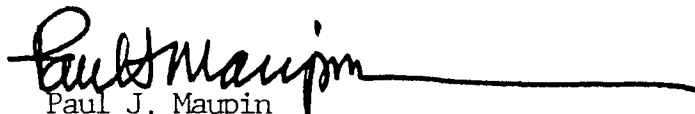
We have received the design/development documents for the Unit B/C Phase I-A, Deihl Hall Learning Resource Center Library Remodeling Project.

We must absolutely refuse to accept these documents for consideration at this time. As you are aware per the proceed order signed by the Architects and the University dated September 13, 1979, the construction cost is set at \$600,000. We consider the \$713,000 proposed construction cost a blatant non-professional response to a contract obligation.

At such a time as the design/development documents have been revised to eliminate \$113,000 of construction costs, we will consider them as a valid submission from the Architects.

I would also point out that duplication of effort by the Architect when not responding to the contract with the University is not the responsibility of the University and any additional expenses incurred by the Architects is solely their responsibility.

Very truly yours,

  
Paul J. Maupin

Health Sciences Planning Coordinator

cc: Clint Hewitt  
Duane Blanchard

PJM: jm

HSAE

HEALTH SCIENCES ARCHITECTS AND ENGINEERS INC  
UNIVERSITY PARK PLAZA SUITE 704 2829 UNIVERSITY AVENUE S.E. MINNEAPOLIS, MINNESOTA 55414 (612) 378-3833

10 October 1979

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

RE: Unit B/C Phase I-A  
Minn-HP-18  
Diehl Hall  
Learning Resource Center  
Library Remodeling Project

Dear Mr. Maupin:

It is our pleasure to submit for University of Minnesota review the completed design development documents of Unit B/C Phase I-A, Diehl Hall Learning Resource Center Library Remodeling Project.

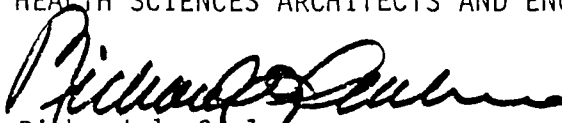
In addition to the project drawings which have been reduced and bound herein, we have included a revised project schedule dated 10 October 1979. The new schedule indicates completion of the Library portion for Owner occupancy by 1 July 1980 with final completion of the entire project by the first week in October, 1980. Substantial completion of the entire project for Owner occupancy will occur one month prior to final project completion, however.

The Probable Cost Summary indicates the total cost to be \$713,000.00. This amount represents construction cost only and does not include other attributable project costs. Alternate cost considerations are also included in this section. Upon completion of the contract document phase, another updated cost estimate will be prepared and submitted for your review.

We will be happy to meet at your convenience with the appropriate University Representatives to present this phase of the project.

Sincerely,

HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC.

  
Richard J. Carlson

RJC/kn



UNIVERSITY OF MINNESOTA  
TWIN CITIES

Office of the Assistant Vice President

Physical Planning  
340 Morrill Hall  
100 Church Street S.E.  
Minneapolis, Minnesota 55455

September 13, 1979

OCT 8 1979  
UNIV. OF MINN.  
HEALTH SCIENCES  
PLANNING OFFICE

THE ARCHITECTS COLLABORATIVE, INC. AND  
HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC.  
University Park Plaza - Suite 704  
2829 University Avenue S.E.  
Minneapolis, Minnesota 55414

SUBJECT: Diehl Hall Remodeling Project

Dear Sirs:

The purpose of this letter is to authorize the resumption of work on the Diehl Hall Remodeling portion of the Unit B/C project as identified in the Owner-Architect letter agreement dated September 17, 1974. The work is to be resumed in accordance with the following understandings and conditions.

A. THE ARCHITECTS COLLABORATIVE, INC. AND HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC., a Joint Venture, are hereby authorized to provide professional services to the University for the design, bidding and construction phases of the project segment identified as Diehl Hall Remodeling. It is understood the HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC. will assume the primary responsibility for the project and that the architectural and engineering work will be done in Minnesota.

B. The project segment includes the addition of a Learning Resources Center and revisions to the library space on floor two, including the remodeling of the existing Scientific Apparatus Services space for Library use. The total area included in the project scope is approximately 32,000 square feet. The construction of this work is to be done as a single prime contract and the construction work is to be substantially complete for Owner occupancy by November 1980. The total construction cost is set at \$600,000.

C. The Architect shall provide for the project segment complete architectural and engineering services. The Schematic Design Phase and Design Development Phase shall be done based upon the revised University schematic plan layout "C" and the reusable portions of the prior design. The Construction Documents, Bidding and Construction Phases shall be done in accordance with the referenced Owner-Architect agreement, appropriate to the scope of the work. Periodic site visits and attendance at scheduled meetings of the Contractors and the University shall not exceed one half day per month during the Construction Phase.

# HSAE

HEALTH SCIENCES ARCHITECTS AND ENGINEERS INC  
UNIVERSITY PARK PLAZA SUITE 704 2829 UNIVERSITY AVENUE S.E. MINNEAPOLIS, MINNESOTA 55414 (612) 378-3833

16 October 1979

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

OCT 22 Recd

UNIV. OF MINN.  
HEALTH SCIENCE  
PLANNING OFFICE

RE: Unit B/C - Phase I-A  
Minn. - HP - 18  
Diehl Hall  
Learning Resource Center  
Library Remodeling Project

Dear Mr. Maupin:

We wish to respond to your letter dated October 12, 1979 regarding our design development submittal for the Unit B/C Phase I-A Diehl Hall Learning Resource Center Library Remodeling Project.

We do not understand your indication that the design development submittal is not acceptable for consideration by the Planning Office. It is consistent with our professional responsibilities and our contract obligations to the University. These documents clearly describe the project design and provisions which are a response to programmatic requirements and needs established by the University's designated representatives.

The design development documents describe a solution which is projected to cost \$713,000.00, assuming a bid date of March 1980. The documents also identify and describe cost alternatives which can reduce the estimated construction cost to approximately the \$600,000.00 budget established in the proceed order. It should also be noted that a fire sprinkler system was added to the program scope by the University Building Official after the original construction budget was established. This system added \$26,850.00 of cost to the program requirements set by the University. A probable cost summary is included to express the cost alternatives suggested.

The design development documents have been developed so that the University can evaluate the program and cost implications. We are prepared to assist the University in this evaluation process to establish a design solution which is compatible with the budget. It is important that this analysis and cost evaluation review process begin as soon as possible so that the project can stay on schedule.

Mr. Paul Maupin  
Unit B/C Phase I-A  
16 October 1979

We believe a meeting with the Planning Office would be useful in initiating the design development review process. Please advise when such a meeting can be held.

Sincerely,



Richard J. Carlson  
HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC.

RJC/bs

Enclosure

cc: Clinton Hewitt  
Duane Blanchard  
John Patterson

PROBABLE COST SUMMARY

I. Basic Design Cost

A. Contractors Direct and Indirect Expenses	\$180,300.00
B. Demolition and Removal	22,170.00
C. Cut and Patch	5,000.00
D. New Work	182,720.00
E. Mechanical	83,630.00
F. Electrical	<u>155,140.00</u>
Subtotal	\$628,960.00
Design Contingency (5%)	31,450.00
Cost Escalation (8%)	<u>52,590.00</u>
TOTAL COST BASIC DESIGN	\$713,000.00
Budget Deficit	\$113,000.00

---

II. Reduced Design Cost

A. Basic Design Cost Subtotal	\$628,960.00
B. Cost Reductions	110,000.00
1. Alternate No. 2 - \$58,000	
2. Alternate No. 3 - \$52,000	<u>                    </u>
Subtotal	\$518,960.00
Design Contingency (5%)	25,948.00
Cost Escalation (8%) both	<u>43,592.00</u>
TOTAL REDUCED DESIGN COST	\$588,500.00
Budget Excess	\$11,500.00



UNIVERSITY OF MINNESOTA  
TWIN CITIES

Health Sciences Planning Office  
Physical Planning  
4103 Powell Hall, Box 75  
500 Essex Street S.E.  
Minneapolis, Minnesota 55455  
(612) 373-8981

October 23, 1979

Mr. Richard Carlson  
Health Sciences Architects & Engineers  
University Park Plaza - Suite 704  
2829 University Avenue S.E.  
Minneapolis, Minnesota 55414

Subject: Unit B/C - Phase I-A  
Diehl Hall Remodeling Project

Dear Mr. Carlson:

In response to your letter dated 10/16/79 regarding the above mentioned project, we wish to restate our position concerning the design development documents.

The proceed order very clearly indicates a construction limit of \$600,000. Therefore, you have not responded to the contract signed between the University and the Architects. While we are aware of the proposed alternatives, the design development documents must clearly fall within the construction limits set in the proceed order.

Again, please revise these documents accordingly. This work shall be at the Architects expense and shall be submitted to this office for consideration within a reasonable time period as not to undermine the construction schedule.

Very truly yours,

  
Paul J. Maupin  
Health Sciences Planning Coordinator

cc: Clint Hewitt  
John Patterson  
Duane Blanchard

PJM: jm

**HSAE**

HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC.  
UNIVERSITY PARK PLAZA SUITE 704 2829 UNIVERSITY AVENUE S.E. MINNEAPOLIS, MINNESOTA 55414 (612) 378-3833

29 October 1979

**NOV 2 Rec'd**

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

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

RE: Unit B/C Phase I-A  
Diehl Hall Remodeling Project

Dear Mr. Maupin:

We were pleased to have had the opportunity to review with you the status of the design development documents for Diehl Hall last week. We understand that the Planning Office will not review the submittal for approval until the programmatic scope and design provisions have been resolved with the budget. Since our submittal included design alternatives which can reduce the anticipated project cost to the budget, we are optimistic that the design scope and budget can be resolved promptly. We understand that the Planning Office will schedule the appropriate meetings as soon as possible to begin the cost evaluation process.

We believe the resolution of the programmatic design scope and project budget is a joint responsibility of the Architect and University. We submitted the design development documents to your office with the assumption that the design alternatives would be evaluated by the appropriate parties for budget direction. We expected that our assistance would be required as a part of this evaluation process. We will modify the documents per your request as soon as the evaluation process is complete and we have the appropriate direction from the University.

Sincerely yours,

HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC.

  
Duane E. Blanchard

DEB/kn

cc: Clinton Hewitt  
John Patterson  
Richard Carlson



THE ARCHITECTS COLLABORATIVE, INC.  
HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC.

UNIVERSITY OF MINNESOTA  
HEALTH SCIENCES EXPANSION

NOV 7 Recd

UNIV. OF MINN.  
HEALTH SCIENCE  
PLANNING OFFICE

MEMORANDUM

MEMO TO: Unit B/C Phase I-A File  
Diehl Hall Library Remodeling Project  
MEMO BY: Duane E. Blanchard  
SUBJECT: Design Development Review Meeting  
DATE: 1 November 1979  
PRESENT: Messrs: Maupin, Forslund, Dr. Holland, Herron, Holdon, Garloff,  
Brudvig, Carlson and Blanchard.

---

The purpose of the meeting was to review the completed design development documents and to reconcile the project design scope and provisions with the budget.

---

I. GENERAL REVIEW:

The Architect provided a general design and cost review of the project. This review was based upon the plans and specifications dated September 26, 1979, which were submitted to the Planning Office on October 10, 1979. The purpose of the review was to provide the committee members present with the appropriate cost information so that priorities could be established to reconcile the project design scope with the budget.

II. SPRINKLER SYSTEM REQUIREMENT:

The requirement of the sprinkler system was discussed at length. The Architect indicated he was supportive of the merits of including a sprinkler system in the project work scope but was concerned that the reason for its inclusion be properly identified for budget purposes.

It is the Architect's opinion that the sprinkler system is not required under the provisions of the State Building Code (1976 UBC). It is the Architect's understanding that the sprinkler provision is being requested by the University Building Official and the University Department of Environmental Health and Safety as a requirement by University Policy related to their application of the State Building Code for remodeling projects.

Messrs. Holden and Herron will review the sprinkler requirement and provide the Planning Office with a letter stating their official opinion on the matter.

III. PROJECT DESIGN AND BUDGET RECONCILIATION:

The following design alternatives were selected to reconcile the project budget with the estimated cost. The alternatives selected and cost savings are as follows:

A. Use existing suspended ceiling grid and lighting fixtures. Provide a ceiling in the Scientific Apparatus area which matches the existing. See Alternate No. 2 of the preliminary D.D. submittal for full description.	\$ 58,000
B. Existing Ceilings in Interaction Rooms (2), Conference Rooms (2) and Offices (2) are to remain.	4,000
C. Omit carpet at stack areas.	22,000
D. Omit the borrowed lights (2) between Grids C and E.	4,200
E. Omit door enclosure at Stair E.	1,000
F. Omit display case and substitute glass.	3,000
G. Omit computer terminal cubicles.	3,000
H. Provide V.A.T. at entrance in lieu of carpet.	400
I. Reduce perimeter radiation to minimum acceptable.	5,000
<hr/>	
TOTAL SAVINGS	\$100,600

IV. FINAL DESIGN DEVELOPMENT ESTIMATED COST

A. Original Design Development Estimated Cost	\$628,960
B. Cost Reductions	100,600
<hr/>	
Subtotal	\$528,360
Design Contingency	27,196
Cost Escalation (8%)	44,444
<hr/>	
TOTAL ESTIMATED COST	\$600,000

V. CONCLUSION:

Based upon the design alternatives selected, the estimated project cost is balanced with the project budget. The project design and estimate includes the cost of the sprinkler system at \$26,850.

The Architect is to modify the Design Development documents to include the selected design alternatives as the base design. The Architect also has approval to start the working drawings in accordance with the final design decisions.

cc: Meeting Attendees  
 John Patterson



UNIVERSITY OF MINNESOTA  
TWIN CITIES

Physical Planning  
340 Morrill Hall  
100 Church Street S.E.  
Minneapolis, Minnesota 55455

November 5, 1979

TO: Paul Maupin, Health Sciences  
Planning Coordinator

FROM: Ron Holden, Building Inspector

SUBJECT: Unit B/C Phase I-A  
Minn-HP-18, Diehl Hall Learning  
Resource Center Library Remodeling Project

In response to your request for clarification of our determination that sprinkling is required on the above mentioned project we offer the following interpretation. This office is responsible for local enforcement of the State Building Code and we feel remodeling of 30,000 square feet below grade into a library without providing sprinkling protection would be in violation of the code and good judgment.

The 1976 Uniform Building Code Section 103 states that "additions, alterations, and repairs and changes in use or occupancy in all buildings and structures shall comply with the provisions for new buildings and structures except as otherwise provided in Sections 104, 306 and 502 of this code".

Section 104(g) Existing Occupancy states "Buildings in existence at the time of the passage of this code may have their existing use or occupancy continued, if such use or occupancy was legal at the time of the passage of this code, provided such continued use is not dangerous to life. Any change in the use or occupancy of any existing building or structure shall comply with the provisions of Sections 306 and 502".

The existing laboratory space will be converted into Learning Resource Center offices. The Scientific Apparatus Shop will be changed in use to library functions. These both constitute a change in occupancy for this area. Also the number of people in the new 30,000 plus square feet of space will increase substantially from present use overall.

Paul Maupin  
November 5, 1979  
Page Two

Section 306 of the UBC paragraph (b) dealing with certification for occupancy states "changes in the character or use of a building shall not be made except as specified in Section 502 of this Code". Section 502 states, "No change shall be made in the character of occupancies or use of any building which would place the building in a different division of the same group of occupancy or in a different group of occupancies, unless such building is made to comply with the requirements of this code for such division or group of occupancy". An exception is made as follows, "the character of the occupancy of existing buildings may be changed subject to the approval of the Building Official and the building may be occupied for purposes in other groups without conforming to all the requirements of this code for those groups, provided the new or proposed use is less hazardous, based on life and fire risk, than the existing use". The Building Official's Office feels that this exception cannot be allowed in this case because of the increased fire load from library materials, greater hazard to life due to increased number of occupants and the absence of exterior openings (no windows) from which to provide rescue and fire fighting.

The above referenced UBC code sections establish jurisdiction and Sections 3802 b(2) and (4) give the conditions where sprinkling is required. The first, Section 3802 (b) states, "In every story, basement or cellar of all buildings except groups R, division 3 (e.g. dwellings) and M occupancies (e.g. garages) when floor area exceeds 1500 square feet and there is not provided at least 20 square feet of opening entirely above the adjoining ground level in each 50 lineal feet or fraction thereof of exterior wall in the story, basement or cellar on at least one side of the building . . ." Section 3802(b)(4) requires automatic sprinkling in "basements or cellars larger than 1500 square feet in floor area of group A (which includes libraries) and E occupancies (education up through 12th grade). Therefore we feel that sufficient jurisdiction and direction is provided by the code to require sprinkling on this project.

Also, it has been a matter of unwritten university policy to attempt to sprinkle all areas below grade where required by present code and where sufficient remodeling warrants it. If we were to evaluate every small remodeling project at the University of Minnesota by using the percentage factors expressed in Section 104 of the 1976 UBC, we would never have projects sufficient in size to require upgrading to present code.

Paul Maupin  
November 5, 1979  
Page Three

It appears that within two months the 1979 UBC will be adopted by reference into state law. Section 104 of that document has been completely revised. The new section pertaining to this subject reads, "Additions, alterations or repairs may be made to any building or structure without requiring the existing building or structure to comply with all the requirements of this code provided the addition, alteration or repair conforms to that required for a new building or structure . . .". This would require that a project of this nature be sprinkled as per requirements for new construction beginning in 1979 unless otherwise amended by the State Building Code Division.

RH:jr

cc: Clint Hewitt  
Don Herron  
Bob Swanson

UNIVERSITY OF MINNESOTA  
TWIN CITIES

Boynton Health Service  
410 Church Street S.E.  
Minneapolis, Minnesota 55455

NOV 7 1979

UNIV. OF MINN.  
HEALTH SCIENCE  
PLANNING OFFICE  
November 6, 1979

MEMORANDUM

To: Paul Maupin, Coordinator, Health Sciences Planning Office,  
4104 Powell Hall, East Bank Campus

From: Donald Herron, University Safety Officer, Department of  
Environmental Health and Safety *D. H.*

Subject: Code Conformance When Remodeling University Buildings

The need to provide automatic sprinklers for the Learning Resources Center Remodeling at Diehl Hall is based on a longstanding policy that as areas of a building are remodeled, it is done so in compliance with the most recent Building Code. The degree of remodeling dictates how extensively the code is enforced. The assumption which directly affects this ruling is that University buildings are not "owned," in the Building Code sense of the word, by an individual or a corporate group. Departments occupy sections of a building, sometimes this is an entire building; usually it is not. Therefore, it has been reasoned that as an occupant remodels areas (which the code refers to as buildings), that they be remodeled in compliance with the UBC as required by Section 104, Application to Existing Buildings. Although this reasoning is not specifically introduced in the UBC in Section 104, it is implied by Section 503, Mixed Occupancy. This logic has further merit as "buildings" become interconnected and very large, as in the Health Sciences complex. Twenty-five percent remodeling which would require code compliance, would rarely occur, if "building" is taken literally.

With this assumption now "given," the first reason for providing sprinklers, among others, can be given.

1. The Learning Resources Center remodeling, second floor Diehl Hall, involves more than 25 percent of their space. Therefore, Section 104(c) mandates that "...the new construction shall conform to the requirements of [the] code..."
2. We have generally been in good favor with the Minneapolis and St. Paul Fire Marshals' offices because they support this policy. The Fire Marshals inspect as per the Uniform Fire Code and the Life Safety Code. These codes are not grandfathered and do not have the percentage breakdown concept of Section 104 of the Uniform Building Code. We have frequently reasoned with them that deficiencies they report will be corrected when the space is remodeled. This recently happened at the Shops Building in Minneapolis.

3. The partial occupancy change from a shop to a library at the east end of the floor and from laboratory to a library at the west end, authorizes the Building Official to require code conformance (Section 502).
4. If code compliance is not required for "small" projects (less than 25% of the total building), departments could string a series of small projects together to complete a large one which would not meet the code, but should have. (In fact, small projects are the norm rather than the exception, because funds frequently come in small allotments.)
5. The codes are constantly changing. It is important to stay abreast of them by doing what is possible when we remodel. The LRC remodeling represents about 33% of the below-grade space at Diehl Hall. The UBC requires below-grade spaces to be sprinklered.
6. The ceiling in the LRC is to be replaced, therefore, automatic sprinklers can be installed with minimum disruption.

DH: db  
cc: Ronald Holden

# HSAE

HEALTH SCIENCES ARCHITECTS AND ENGINEERS INC  
UNIVERSITY PARK PLAZA SUITE 704 2829 UNIVERSITY AVENUE S.E. MINNEAPOLIS, MINNESOTA 55414 (612) 378-3833

12 November 1979

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

RE: Unit B/C Phase I-A  
Minn-HP-18  
Diehl Hall  
Learning Resource Center  
Library Remodeling Project

Dear Mr. Maupin:

It is our pleasure to submit for University of Minnesota review the completed design development documents of Unit B/C Phase I-A, Diehl Hall Learning Resource Center Library Remodeling Project.

In addition to the project drawings which have been reduced and bound herein, we have included a revised project schedule dated 12 November 1979. The new schedule indicates completion of the Library portion for Owner occupancy by 7 July 1980 with final completion of the entire project by the second week in October, 1980. Substantial completion of the entire project for Owner occupancy will occur one month prior to final project completion, however.

The Probable Cost Summary indicates the total cost to be \$600,000.00. This amount represents construction cost only and does not include other attributable project costs. Upon completion of the contract document phase, another updated cost estimate will be prepared and submitted for your review.

We will be happy to meet at your convenience with the appropriate University Representatives to further review the project.

Sincerely,

HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC.



Richard J. Carlson

RJC/bs



THE ARCHITECTS COLLABORATIVE, INC.  
HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC.

UNIVERSITY OF MINNESOTA  
HEALTH SCIENCES EXPANSION

NOV 23 1979  
UNIV. OF MINN.  
HEALTH SCIENCE  
PLANNING OFFICE

MEMORANDUM

MEMO TO: Unit B/C Phase I-A  
Diehl Hall  
Learning Resource Center  
Library Remodeling Project

MEMO BY: Richard J. Carlson

DATED: 13 November 1979

SUBJECT: Design Development Review Meeting

PRESENT: Messrs.: Maupin, Forslund, Dr. Holland, Garloff, Brudvig, Bass,  
Merz, Hudalla, Kerkow, Wilcox, and Carlson

---

The purpose of the meeting was to review the completed design development documents and to resolve the issue of the LRC cooling provision.

---

I. General Review:

The Architect and Engineer provided a general description of the project scope based upon the design development plans and specifications resubmitted on 12 November 1979. Upon reviewing the project history, the Architect stated that cooling of the LRC was not previously included programmatically and further the most recent design development submitted did not include cooling of these spaces due to tight budget restraints. The Architect and Engineer, however, indicated a desired preference for these cooling provisions and recommended further consideration be given if the budget could be adjusted accordingly.

II. Cooling System Description:

The Engineer provided a description of the new proposed cooling system for consideration:

1. Chilled water cooling coils would be added to the existing supply unit S-4 and the existing supply and return duct system would be utilized. This system would provide cooling for the Learning Resource Center and Library space on Floor Two. With the addition of this system, the entire Second Floor would then be cooled.

The estimated additional cost of this work would be approximately \$30,000.00.

2. Chilled water cooling coils would be added to the existing supply unit S-5 and the existing supply and return duct system would be utilized. This system would provide cooling for certain other portions of Floors Three and Four as well.

The estimated additional cost of this work would be approximately \$20,000.00.

Unit B/C Phase I-A  
Diehl Hall  
Learning Resource Center  
Library Remodeling Project  
13 November 1979  
Page Two

### III. Conclusion

The project budget will be adjusted to \$650,000.00 and the cooling proposals will be included in the contract documents as two separate deductive alternates. The Users will attempt to obtain the additional funds necessary to support these additional amounts. If the additional funds are not obtained by contract award time, these amounts may be taken from the group II (Study Carrel) budget.

### VI. Additional Discussion:

*Call Hudalle*  
Hudalla indicated it may be economically desirable for the contract documents to include provision of a return air system to serve the Learning Resource Center Offices which will be remodeled by the U of M Physical Plant. Wilcox indicated the program currently does not include this provision. If required, the additional cost budget of this system must be resolved. Hudalla will study the system further for a design resolution and additional input to the Engineer.

*Notes on Hudalle's Comments*  
Brudvig indicated it would be desirable to provide additional electrical outlets for equipment if none existed along the low wall at the floor level change (grid C). These additional outlets should be further identified by the User and included as an item in their design development review comments.

*Call Brudvig & Garloff*  
Maupin further stated that the design development review should be concluded as quickly as possible and the comments returned to the Health Sciences Planning Office for preparation of a joint response to the Architect. The Architect is now underway with the contract document phase of the project.

cc: Meeting Attendees  
Duane Blanchard  
John Patterson

**HSAE**

HEALTH SCIENCES ARCHITECTS AND ENGINEERS INC  
UNIVERSITY PARK PLAZA SUITE 704 2829 UNIVERSITY AVENUE S.E. MINNEAPOLIS, MINNESOTA 55414 (612) 378-3833

14 November 1979

NOV 20 Rec'd  
UNIV. OF MINN.  
HEALTH SCIENCES  
PLANNING OFFICE

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

RE: Unit B/C Phase I-A  
Minn-HP-18  
Diehl Hall  
Learning Resource Center  
Library Remodeling Project

Dear Mr. Maupin:

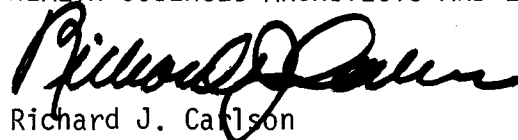
We wish to submit a copy of a memorandum which summarizes our review meeting of the project design development documents held on November 13 in your office.

We understand that the project budget will now be adjusted to \$650,000.00 to include provisions for cooling those spaces outlined in our meeting. Furthermore, those cooling systems will be included in the contract document phase by the appropriate deductive alternates for the Owner's cost identification.

2 | We are continuing with the preparation of the contract documents, and trust that the design development review comments will be transmitted to us expeditiously in order to maintain the project schedule.

Sincerely,

HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC.

  
Richard J. Carlson

RJC/kn

cc: Duane Blanchard  
John Patterson



UNIVERSITY OF MINNESOTA  
TWIN CITIES

Engineering and Construction Division  
~~Physical Plant Operations~~ Physical Plant Operations  
26 Folwell Hall  
9 Pleasant Street S.E.  
Minneapolis, Minnesota 55455

December 7, 1979

DEC 11 Rec'd

UNIV. OF MINN.  
HEALTH SCIENCE  
PLANNING OFFICE

TO: Evan B. Merz  
FROM: Robert Hudalla *RH*  
RE: December 5, 1979 Meeting on Various  
Projects Being Developed 2nd Floor  
Diehl Hall  
PRESENT: Paul Maupin ✓  
Don Herron  
Ron Holden  
Marlena Bomschwig  
Robert Lonneman  
Warren Forslund  
Robert Hudalla

A meeting was held to discuss code implications and problems inherent to developing Laboratory and Animal Research Space into Learning Resource Space. Problems arise because Project #111-79-0101 and Project #111-79-0373 were developed without knowledge or direction regarding the development of Rooms 203 thru 209 and Rooms 218 thru 225 into Learning Resource Space. This office was aware of Project #111-78-0715, HSA&E commission on Learning Resources Center, however, that project does not include the development of any Rooms in the Laboratory and Animal Research Area on the west end of 2nd floor Diehl Hall.

We became aware of the Health Sciences Planning Offices intentions to develop Rooms 203-209 and 218-225, when Warren Forslund visited our office on October 10, 1979.

We informed Warren at that time that the use of Laboratory and Animal Research Area as an extension of the Learning Resource Center presented certain problems which must be address. Namely:

1. Learning Resources is a low hazard area and laboratory space is an ordinary or high hazard area as defined by Life Safety Code NFPA 101 Section 4-2.2. A separation of both the construction and the mechanical ventilation systems must be maintained. Development of Rooms 203-209 and 218-225 as low hazard occupancy requires that a new line of separation be established with the high hazard laboratory space. Architectural and engineering evaluation and design time is needed to determine the extent of this problem. We requested a request for estimate forms 14 be initiated to cover the Planning Office Project in Rooms 503-509 and 518-525.
2. Dr. Fritz Bach - Department of Laboratory Medicine and Pathology intends to maintain a Mice Breeding Colony in Rooms 211 thru 216 which

Evan B. Merz  
December 7, 1979  
Page Two:

shares a common corridor with the proposed Learning Resource Area. This presents problems of odor migration thru the space openings and thru the ventilation system. These are not totally covered by codes, but require good engineering practice.

A form 14 has never been initiated for the Health Science Planning job nor has a project number been established. Considerable time has been spent by this office to identify and resolve the problems above. Additional problems were discussed and resolved at the above referenced meeting.

However, the problem still remains of obtaining funding to prepare estimates, design, and construct the modifications required to maintain an adequate separation between the remaining Research Space and the proposed Learning Resources Space.

Paul Maupin indicated at the above reference meeting that funds for this purpose were not available in the Learning Resource Budget. I indicated the budgets for projects #111-79-0101 and #111-79-0373 have already been established with no request in either project to include work required to develop Rooms 203-209 and 218-225 in Learning Resource Space.

Paul Maupin indicated Engineering and Construction should obtain added funds under projects #111-79-0101 and #111-79-0373 to provide the construction and mechanical separation required by the Planning Office project.

I indicated the development of Rooms 203-209 and Rooms 218-225 into Learning Resources is a new project as far as Engineering and Construction is concerned. That in addition to the separation problems discussed, this new project will require architectural, mechanical and electrical work for which a project should be established.

The question of who would take the initiative to notify the Medical School of the added work and the need to estimate that work remain unresolved.

RJH/gsc

cc: Paul Maupin  
Don Herron  
Ron Holden  
Marlena Bomschwig  
Robert Lonneman  
Warren Forslund  
Robert Hudalla  
Paul Kopietz



UNIVERSITY OF MINNESOTA  
TWIN CITIES

Health Sciences Learning Resources  
W42 Centennial Hall  
Minneapolis, Minnesota 55455  
(612) 376-4666

FEB 22 Rec'd

HEALTH SCIENCES LEARNING RESOURCES COMMITTEE

UNIV. OF MINN.  
HEALTH SCIENCE  
PLANNING OFFICE

MINUTES

Wednesday, January 9, 1980

Present: Brudvig, Finch, Garloff, Holland, Johnson, Kabat,  
MacDonald, McCollister, Rothenberger, Woodbury,  
Chairperson Moller and Guest - Warren Forslund

The meeting was called to order at 2:05 p.m.

A motion was made and seconded to approve the minutes of the last meeting held December 5, 1979.

Agenda Item #1 - Learning Resources Collection Development  
- S. Johnson

The National Library of Medicine grant is drawing to an end. The grant period ran from January 1977 to March 1980. Sandy Johnson is now in the process of compiling information for a final report. Was it successful? Listed below are some of the accomplishments of the grant.

- A. The LRC's collection of AV materials was strengthened. Attempts were made to expand underdeveloped areas. However, it was discovered that titles often were not available to meet specific needs.
- B. The collection for use outstate was organized. The best example of outstate use was the LRC in Fergus Falls, MN.
- C. A preliminary catalog has been printed of the LRC's holdings with a final catalog to be released in February 1980.
- D. New procedures were established for Interlibrary loan.
- E. Involvement of faculty brought increased awareness of the H.S. Learning Resource Center.
- F. A systematic selection process was established and these procedures will be continued when selecting future materials for the LRC.

Agenda Item #2 - Status of H.S. LRC Task Force Planning - W. Forslund

Construction plans are currently on schedule for the new LRC. Scientific Apparatus is now vacating the space on the second floor of Diehl Hall and renovation will follow. The budget for the

HSLRC  
Minutes 1/9/80

actual construction is adequate. However, \$10,000-\$15,000 is needed to purchase additional book stacks for the library. Money is also needed to purchase equipment for the LRC. It was suggested that next year all Health Science units merge their educational development funds into a pool to purchase the needed equipment. Another alternative would be for each Academic Unit to use their replacement equipment fund to purchase this equipment.

Agenda Item #3 - Report of meetings with Deans Hinsvark and Stauffer regarding AV Services - J. Moller

Both of the Deans agreed to change from a contract to a fee-for-service charge system for AV Services and will mention AV Services needs at the next Deans and Directors meeting.

Agenda Item #4 - Review of TV Control Room Space - J. Moller

A Task Force was formed to review. Members are: J. Moller, L. Ellis, M. Holland and D. Garloff.

The meeting was adjourned at 3:12 p.m.

No February meeting was held.

Next Meeting: Wednesday, March 5, 1980.  
2:00 p.m.  
555 Diehl Hall

**HSAE**

**HEALTH SCIENCES ARCHITECTS AND ENGINEERS INC**  
UNIVERSITY PARK PLAZA SUITE 704 2829 UNIVERSITY AVENUE S.E. MINNEAPOLIS, MINNESOTA 55414 (612) 378-3833

15 January 1980

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

JAN 18 recd  
UNIVERSITY OF MINN.  
HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC.

RE: Unit B/C Phase I-A  
Minn-HP-18 Diehl Hall  
Learning Resource Center  
Library Remodeling Project

Dear Mr. Maupin:

We wish to submit for University of Minnesota review the completed contract documents of Unit B/C Phase I-A Diehl Hall Learning Resource Center Library Remodeling Project.

The attached "Probable Cost Summary" indicates the total estimated cost to be \$650,000.00. This amount represents the probable construction cost only and does not include other attributable project costs.

Our recent project schedule allowed the University of Minnesota a three week contract document review period, beginning in mid-January 1980. In the interest of earlier bidding of the Project, however, we would like to suggest this review period be reduced if possible. Our feeling is that the current construction market seems favorable for this type of work, and if bid sooner rather than later it should produce positive cost results. With the recent bidding of B/C Phase V-1, we were pleased to see the number of responsible bidders and the subsequent results of their efforts.

We are prepared to proceed with further development of the project in accordance with your direction.

Sincerely,

HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC.

  
Richard J. Carlson

RJC/kn

Enclosure



UNIT B/C PHASE I-A  
MINN-HP-18  
DIEHL HALL  
LEARNING RESOURCE CENTER  
LIBRARY REMODELING PROJECT

15 January 1980

PROBABLE COST SUMMARY

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A. CONTRACTORS DIRECT AND INDIRECT EXPENSES	\$180,300.00	
B. DEMOLITION AND REMOVAL	22,170.00	
C. CUT AND PATCH	5,000.00	
D. NEW WORK	151,640.00	
E. MECHANICAL	170,550.00	
F. ELECTRICAL	<u>102,010.00</u>	
SUBTOTAL		\$631,670.00
COST ESCALATION (3%)		18,330.00
TOTAL PROBABLE CONSTRUCTION COST		<u>\$650,000.00</u>

UNIVERSITY OF MINNESOTA  
TWIN CITIES

Health Sciences Learning Resources  
W42 Centennial Hall  
Minneapolis, Minnesota 55455  
(612) 376-4666

FEB 4 Rec'd

TO: Paul Maupin  
FROM: David Garloff  
DATE: January 29, 1980.  
SUBJ: Health Sciences Shared Classrooms Adjacent to the Bookstore

UNIV. OF MINN.  
HEALTH SCIENCES  
PLANNING OFFICE

Dear Paul:

I understand there is momentum building to reassign the classrooms on the second floor adjacent to the bookstore to the bookstore for their use.

I would like to make the following argument about the shared classrooms. I hope these points will be considered before a decision is made:

1. There is a rationale for having the cluster of seminar rooms next to or on the same floor as the large auditoria. Because small group discussions are considered integral to medical school curricula needs and adult education formats in general, it was thought to be highly desirable to have a number of rooms available which could accommodate the students using the large auditoria. Furthermore, it is a matter of time efficiency to have these rooms in close proximity to the auditoria since small group sessions are often consequent to large lecture periods in the auditoria.
2. The trend in utilization has been to use the larger seminar rooms (20-26 seats) rather than the smaller rooms (8-16 seats). Thus, a loss of larger rooms would be a lopsided loss in terms of rooms in demand.
3. Providing support services to seminar rooms spread over a large area of the Health Sciences complex is a much more costly and difficult task than when they are clustered together. The clustering also affords the ability to store equipment locally to the rooms for quick use (i.e., AV equipment).
4. From the standpoint of scheduling, clustering allows for better satisfaction to users. Rooms dispersed throughout the complex make some rooms much less desirable to instructors, especially if they are situated in out-of-the-way areas not commonly identified as classroom areas.

I don't know what criteria are being used to make a decision, but perhaps these points can be raised to help come to an appropriate decision which is in the best interest of the educational mission of the Health Sciences Center.

DG:lw

HSAE

MEMO TO: Unit B/C Phase I-A Diehl Hall  
MEMO BY: Michael Pederson  
DATED: 14 February 1980  
SUBJECT: Contract Document Review Meeting

FEB 20 1980  
UNIV. OF MINN.  
HEALTH SCIENCE  
PLANNING OFFICE

Present: Paul Maupin, David Garloff, Glenn Brudvig, Gary Hall,  
Ed Ehlenz, Warren Forslund, Peter Bast, Glenn Hawkinson,  
Richard Carlson, Michael Pederson

The purpose of the meeting was to review the contract documents prior to issue for bidding.

1. There was a request for additional outlets at the service desk. An outlet strip will be added below counter to the south, and outlets will be added to north side of column G7.
2. Additional conduit for computer lines is necessary at service desk. These lines should connect to existing conduit below third floor. User will need to show HSAE engineer where connection is to be made.
3. At curved portion of service desk, omit shelves and provide knee space. Also provide pencil drawer.
4. At service desk between gate and recess for computer, omit drawers and provide open shelves.
5. There was a question of ceiling clearances needed for the library stacks. The existing stacks are 7'-6" high, and the existing ceiling over the stacks at its lowest point is 7'-9". This same relationship holds true in the remodeled areas.

Also, the sprinkler heads were specified to be of the recessed variety and will not protrude below the ceiling as was thought.

6. There was a request to provide a wood bench at the entry area instead of the furniture shown. The bench will be a part of the contract but will be handled as a deduct alternate.
7. Clock outlets should be provided with one at west wall of stair E enclosure, and one along grid 6 between grids F & G.
8. Omit plastic laminate counter along grid 14. Show typical half stack as not in contract.
9. Move door 204B to between grids D and E. Door should swing to west rather than to east.

Both door 204B and door 204A should be handled as label doors in a 1-hour wall.

10. It is preferable to have counters on the entrance turnstiles rather than the exit in order to match the third floor system. In previous conversations with the supplier this was not available, but it will be checked into again. If it is not available, the third floor system will have to be changed in the future to make an exit count just as the second floor system will be making an exit count.
11. Temporary dust partition may be more appropriately located to the east of grid 9 rather than to the west, and could possibly include in the first phase of construction the toilet and entry areas.
12. There are areas of existing vinyl asbestos tile which may be loose or in need of replacement. The specification should provide for this. The existing 9" x 9" Vat may also not be replaceable. A change order may be appropriate during construction to carpet one or two bays, or to handle the Vat in a different manner.
13. Glenn Brudvig would like to be informed as soon as possible as to when construction will begin so that he can hire people to move library stacks, etc. Moving during quarter break (week of March 24) would be preferable.

As of now the issue date is tentatively set for March 3rd with a bid date of March 25.

Written review comments were supplied by Glenn Brudvig and Ed Ehlenz (Elec). Comments from mechanical will be forwarded by Warren Forslund as will comments on the hardware schedule. These and any additional review comments are needed immediately in order to be incorporated in the documents for the March 3rd issue date.

All review comments will be responded to in writing when they have all been received.

cc: Meeting Attendees



DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

REGION V

300 SOUTH WACKER DRIVE  
CHICAGO, ILLINOIS 60606

OFFICE OF THE  
PRINCIPAL REGIONAL OFFICIAL

April 8, 1980

Our Reference: Mimm 18 (HP) - A  
Diehl Hall-Unit B/C  
University of Minnesota  
Minneapolis, Minnesota

APR 14 Recd

UNIV. OF MINN.  
HEALTH SCIENCE  
PLANNING OFFICE

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

Dear Mr. Maupin:

We have reviewed the final drawings (dated January 11, 1980) and specifications (not dated) for subject project, received March 24, 1980. Comments follow. Please request from the Architect/Engineer a reply in writing on the action taken with each of the comments.

This will confirm the Department of Health, Education and Welfare's approval to advertise for bids on the subject project, subject to compliance and/or resolution of comments contained herein prior to bid opening.

Please advise this office as soon as possible, in writing, the bid opening date. This is important so that subsequent wage rate modification issued by the U. S. Department of Labor may be sent to you.

After bid opening please submit to this Office the Award Documents which shall include:

- a. A recommendation or resolution of award.
- b. A certification of publication of advertisement for bids, or copies, and copies of written invitations of selective solicitation of bids.
- c. The Applicant is requested to take affirmative action to solicit Minority Construction Contractors to bid on the prime contracts and sub-contracts for the project. Submit a list of the Minority Construction Contracts solicited to bid on this project, including their address and identification of their trades.
- d. A certified copy of tabulation of bids. The bid tabulation shall asterisk (\*) those who are Minority Contractors. The bid tabulation shall so indicate when negative.

- e. The low bidders proposal.
- f. The bid security.
- g. Copies of all bid addenda issued, if not previously submitted to this office.
- h. A certification from the A/E that the State Agency, project applicant, and all other interested non-Federal parties have approved the bid drawings and specifications.
- i. The Cost and Construction Data Report (FEC 2-5) in duplicate.

As soon as the sub-contractor listing is received, please submit a copy, Atten: Daniel Jacobs, Acting Chief, Design and Engineering, identifying all Minority Construction Sub-Contractors including their address, type of work, and amount of contracts. A negative response is required when there are no Minority Construction Sub-Contractors.

#### SPECIFICATIONS (FRONT END)

1. General Conditions, Article 11.1.10: Minimum liability insurances shall be not less than \$500,000 for each person and not less than \$500,000 for each occurrence for injuries and property damage.
2. General Conditions, Article 17: Delete in its entirety and substitute Form HEW 514 (Rev. 8/78), total of 20 pages, copy enclosed. Reuse Articles 17.11 and 17.12, do not delete.
3. Minimum Federal Wage Rate Decision No. MN 79-2021, dated May 4, 1979 and Modification No. 1 are enclosed for incorporating in the specifications.

#### MECHANICAL AND ELECTRICAL

The final mechanical and electrical drawings dated January 11, 1980 and the respective technical specifications are approved subject to complying with the following comments:

##### Drawing E-2

1. Recommend emergency lights be provided in Toilet Rooms 209 and 210.

##### Specifications (15000 & 16000)

2. Section 15160, Article 2.2C: Because the spaces above the ceiling are used as return air plenums, a smoke developed rating not to exceed 150 is not acceptable. Revise to not exceed 50. Also, delete all specifications referencing FR Armaflex and P.V.C. insulated fitting covers since they are not acceptable in air plenums.

ARCHITECTURAL

The final architectural drawings dated January 11, 1980 and the respective technical specifications are approved subject to complying with the following comments:

Drawing A-5

1. In Details 1 through 4, the following dimensions for handicapped toilets shall be incorporated:
  - a. Toilets: 20 inches, floor to top of seat.
  - b. Urinals: 19 inches, floor to rim.
  - c. Grab bars: 33 inches, floor to center of bar.
  - d. Sanitary Napkin Dispenser: 40 inches, floor to coin slot.

Drawing A-2

2. The handrail provided at the new ramp shall extend at least 12 inches beyond the top and bottom of ramp.
3. Extension of existing handrails at new steps shall be at least 18 inches beyond the bottom step.
4. Rework the entry to Men's Toilet 209 and Womens' Toilet 210 to provide at least a 12 inch floor extension at the knob side of the door. With the doors scheduled, the entry width will require at least 50 inches.

Specifications

5. Provide specifications for plaques bearing raised letters or numbers to identify the rooms or offices.

Direct all comments to George L. Winter, P.E., Project Manager, at (312) 353-2758.

Sincerely,



Daniel Jacobs, P. E.  
Acting Chief, Design and Engineering  
Division of Regional Operations for  
Facilities Engineering  
and Construction

cc: James Durham, Program

STATE: Minnesota  
DECISION NUMBER: MN78-2021

COUNTIES: INDIAN, FAYON, CLINTON

DATE: Date of Publication

Superior's Decision No. MN78-2021, dated March 29, 1978 in 43 FR 12847  
DESCRIPTION OF WORK: Residential construction projects consisting of single family homes and garden type apartments up to and including 4 stories

	Basic Hourly Rates	Fringe Benefits Payments			
		H & W	Pensions	Vacation	Education and/or Appr. Tr.
BRICKLAYERS/BLOCKLAYERS	\$ 8.64				
CARPENTERS	7.53				
CEMENT MASONS/FINISHERS	8.73				
<u>DRYWALL WORKERS:</u>					
Hangers	8.60				
Tapers/Finishers	8.94				
ELECTRICIANS	8.47				
<u>LABORERS:</u>					
Common	5.79				
Landscape	3.00				
PAINTERS	6.64				
PLUMBERS/PIPEFITTERS	8.49				
ROOFERS	8.00				
SOFT FLOOR LAYERS/CARPET LAYERS	7.39				
SHEET METAL WORKERS	6.10				
TRUCK DRIVERS	7.36				
<u>POWER EQUIPMENT OPERATORS:</u>					
Bulldozer Operators	9.94				
Backhoe Operators	9.55				
Crane Operators	9.82				
Grader	9.82	90	1.25	11%	.05
Paver	9.82	90	1.25	11%	.05
Roller Operators	9.82	90	1.25	11%	.05

STATE: Minnesota  
DECISION NUMBER: MN78-2021

COUNTIES: See Below

DATE: Date of Publication

Superior's Decision No. MN78-2021, dated September 29, 1978 in 43 FR 45130  
DESCRIPTION OF WORK: Building (Including Residential), Construction Projects

COUNTIES: Anoka, Carver, Hennepin, Scott, Dakota, Ramsey & Washington

	Basic Hourly Rates	Fringe Benefits Payments			
		H & W	Pensions	Vacation	Education and/or Appr. Tr.
ASBESTOS WORKERS	\$11.13	.70	.65		
BOILERMAKERS	12.30	.85	1.00		.02
BRICKLAYERS & STONEMASONS	11.51	.655	.53	.56	
CARPENTERS:					
<u>Building</u>					
S.W. Portion of Scott Co.	11.70	.42			
Remainder of Cos. & Scott Co.					
Carpenters, Millwrights & Piledrivers	11.06	.55+.15	.55	.55	.02
Soft Floor Layers	10.73	.71	.64	.60	.02
<u>Site Preparation, Excavation &amp; Incidental Paving</u>	10.13	.60	.60		
ELECTRICIANS:					
<u>Building</u>					
Hennepin & Scott Cos. & Tups. of Anoka & Fridley in Anoka County					
Contracts over \$50,000	11.35	7%	6%	10 1/2%	1 3/4%
Contracts less than \$50,000	9.20	7%	6%	10 1/2%	1 3/4%
Remainder of Anoka County & Remaining Counties	11.85	5 3/4%	5 7/8%	11 1/2%	3/8%
<u>Residential</u>					
Carver, Hennepin & Scott Cos; Tups. of Anoka, Fridley, Crow & Ramsey in Anoka County:					
Construction of all new family dwellings up to & including 4-plexes; and to all residential remodeling, rewiring & repairing in apartment buildings up to & including a 400 ampere service. This is limited to 3 floor occupied as living quarters floors, & non-elevator apartment buildings.	7.13	.48	3%	.27	1%
<u>CEMENT MASONS:</u>					
<u>Building</u>	11.63	.60	.60		
<u>Site Preparation, Excavation &amp; Incidental Paving</u>	10.13	.60	.60		

1 of 5



DECISION NO. MN79-2021

ELECTRICIANS (CONT'D)	Basic Hourly Rates	Fringe Benefits Payments			
		H & W	Pensions	Vacation	Education and/or Appr. Tr.
Dakota, Ramsey, Washington Cos. & Remainder of Anoka Co.: Construction of all new family dwellings up to & including 4-plexes, townhouses of 4 or less contiguous units; and to all residential remodeling, rewiring & repairing except that any single apartment project including a change of main service entrance shall not exceed 8 living units or 400 amps.	8.00	.50	.32	.51	1/4 of 1%
<b>ELEVATOR CONSTRUCTORS:</b>					
Constructors	11.31	.745	.35	a	.02
Helpers	708JR	.745	.35	a	.02
Helpers (Prob.)	508JR				
<b>IRONWORKERS</b>	12.40	.75	.70		.04
<b>LATHERS:</b>					
Anoka, Carver & Hennepin Cos.	10.99	.50	.65		.01
Washington; Dakota & Ramsey Cos.	11.69		.50	.70	.01
<b>MARBLE SETTERS</b>	11.555	.655	.53		
<b>MARBLE FINISHERS</b>	9.35	.37	.50		
<b>TERRAZZO WORKERS</b>	12.02	.64	.25		
<b>TILE SETTERS</b>	11.50	.62	.50		
<b>TILE FINISHERS</b>	10.65	.62	.50		
<b>PAINTERS:</b>					
Dakota, Ramsey & Washington Cos:					
Brush & Drywall Finisher	10.84	.55	.25		.12
Structural Steel & Spray	11.44	.55	.25		.12
Remaining Counties:					
Brush & Roller	10.76	.55	.30		.11
Structural Steel & Spray	11.36	.55	.30		.11
<b>PLASTERERS:</b>					
Dakota, Ramsey & Washington Cos.	10.00	.70	.25	.65	.01
Remaining Counties	9.50	.45	.20		.01
<b>GLAZIERS</b>	10.50	.45	.50	.35	.01

DECISION NO. MN79-2021

PLUMBERS:	Basic Hourly Rates	Fringe Benefits Payments			
		H & W	Pensions	Vacation	Education and/or Appr. Tr.
Plumbers, Steamfitters & Pipefitters:					
Dakota, Ramsey & Washington Cos.	\$10.92	.53	.50	1.52	.06
Plumbers & Steamfitters & P/F Remaining Counties:					
Plumbers	11.09	.53	.50	1.35	.05
Steamfitter & Pipefitters	11.14	.54	.50	1.25	.05
<b>ROOFERS</b>	11.75	.85	.35		.03
<b>SHEET METAL WORKERS:</b>					
Dakota, Ramsey & Washington Cos.	12.66	.79	.90		.06
Remaining Counties	13.02	.52	.81		.06
<b>SPRINKLER FITTERS</b>	12.03	.75	1.05		.02

Welders - receive rate prescribed for craft performing operation to which welding is incidental.

**PAID HOLIDAYS:**

A-New Year's Day; B-Memorial Day; C-Independence Day; D-Labor Day;  
E-Thanksgiving Day; F-Christmas Day; G-Day After Thanksgiving

**FOOTNOTE:**

a. Employer contributes 2% Basic Hourly Rate for over 5 years service, 6% Basic Hourly Rate for under 5 years as Vacation Pay; 7 Paid Holidays A through G

2 95

DECISION NO. MN79-2021

MINN-27-LAB-1

LABORERS:  
BUILDING CONSTRUCTION

	Basic Hourly Rates	Fringe Benefits Payments			
		H & W	Pensions	Vacation	Education and/or Appr. Tr.
CLASS 1	\$ 9.40	.60	.45	.40	
CLASS 2	9.45	.60	.45	.40	
CLASS 3	9.50	.60	.45	.40	
CLASS 4	9.55	.60	.45	.40	
CLASS 5	9.65	.60	.45	.40	
CLASS 6	9.70	.60	.45	.40	
CLASS 7	9.75	.60	.45	.40	
CLASS 8	9.80	.60	.45	.40	
CLASS 9	10.105	.60	.45	.40	

- CLASS 1 - Common Laborer, Steel hoist handler (erection); Power Buggy Operator, Carpenter Tender, Earth Dumpman, Plagman
- CLASS 2 - Reinforced Steel Handler
- CLASS 3 - Men handling cement 2 hours per day (Bulk or Sack, excluding Mortar Mixer; Mason Tender; Concrete Joint Saw Operator, Demolition & Wrecking Laborer
- CLASS 4 - Hot tar caulker & corker; Laborers on swing stage line scaffold (excl. "patent" scaffolding); Automatic Tamper Operator; chipping Hammer Setter & Driver on Heavy Building, Excavation, Jackhammer Men
- CLASS 5 - Underground Work
- CLASS 6 - Pipelayer
- CLASS 7 - Caisson Work, Underpinning
- CLASS 8 - Nozzlemen
- CLASS 9 - Dynamite Men, Power for Blasting purposes

DECISION NO. MN79-2021

MINN-9-LAB

SITE PREPARATION, EXCAVATION & INCIDENTAL PAVING

LABORERS

Basic Hourly Rates	Fringe Benefits Payments			
	H & W	Pensions	Vacation	Education and/or Appr. Tr.
CLASS 1	\$ 9.35	.60	.45	.40
CLASS 2	9.45	.60	.45	.40
CLASS 3	9.50	.60	.45	.40
CLASS 4	9.60	.60	.45	.40
CLASS 5	9.65	.60	.45	.40
CLASS 6	9.70	.60	.45	.40
CLASS 7	9.75	.60	.45	.40
CLASS 8	9.78	.60	.45	.40
CLASS 9	9.80	.60	.45	.40
CLASS 10	9.98	.60	.45	.40
CLASS 11	10.03	.60	.45	.40

- CLASS 1 Unskilled Laborer, Drill Runner Helper, Landscape Gardener, Sod Layer & Nurseryman, Powder Monkey, Rein. Steel Lab., Rein. Steel Setter Salamander Heater & Blower Tender Carpenter Tender; Winch Handler
- CLASS 2 Laborer, wrecking & Demolition; Bit. Batchermen (Stationary Plant); Bricklayer Tender; Cement Handler; Cement Coverman (Batch trucks); Compaction Equip. Shoveler, batchermen Conc., Conc. Vibrator Tamper & Puddler (Paving); Conc. Longitudinal Floatmen; Conduit Layer (w.o. wiring); Chipping Hammer, Sub Setter (Stone or Precast Conc.) Rattleman (BIT. or lead); Service connection maker; Power Buggy; Joint Sawyer; Squeeze man ( Bit. Brick or Block); Stabilizing batchermen (Stationary Plant); Stonemasons tender; Drill Runner (Heavy, including Churn Drill)
- CLASS 3 Chainsaw Man, Conc. Mixer (1 bag); Jackhammer Man & Paving Buster; Mortar Mixer' Pipe Handler; Pipe Derrickman (Triped, manual)
- CLASS 4 Bottom Man (Sewer, Water or Gas trench, more than 8' below starting level of manual work); Tunnel Laborer (Atmospheric pressure); Underpinning Work, Caisson Work, Oher work more than 8' below level of manual work Open ditch Work

3 of 5

DECISION NO. MN79-2021

## LABORERS: (CONT'D)

CLASS 5 - Bituminous Tamper; Pipelayers; Sand Cushion & Bedmaker  
 CLASS 6 - Cement Gun (1 1/2 & over); Leadman  
 CLASS 7 - Nozzlemen (Gunitite)  
 CLASS 8 - Brick or Block Paving Setter  
 CLASS 9 - Bituminous Raker, Floater & Utility Man  
 CLASS 10 - Tunnel Man (Air pressure); Tunnel Miner  
 CLASS 11 - Powderman

	MINN-62-TD				
	Basic Hourly Rates	Fringe Benefits Payments			
		H & W	Pensions	Vacation	Education and/or Appr. Tr.
TRUCK DRIVERS: BUILDING, SITE PREPARATION, EXCAVATION & INCIDENTAL PAVING					
GROUP 1	9.20	.40	.50		
GROUP 2	8.90	.40	.50		
GROUP 3	8.60	.40	.50		
GROUP 4	8.60	.40	.50		

GROUP 1 - Driver (Hauling machinery for employer's own use, including operation of hand & power operated winches); Truck train Mechanic, Welder; Tractor-Trailer; Off-Road Truck

GROUP 2 - Tri-axle (including 4-Axles); Dump Dry Batch Hauler; Tank Truck (Gas, Oil, Road Oil & Water); Boom & "A" Frame; Ready Mix Concrete; Slurry Driver.

GROUP 3 - Bituminous Distributor; Bituminous Distributor (1-Man Operation); Tandem Axle.

GROUP 4 - Bituminous Distributor Spray (rear-end oiler); Dumpman; Greaser & truck Servicemen; Tank Truck Helper (Gas, Oil, Road Oil & Water) Teamster and Stableman. Tractor Operator (Wheel Type used for any purpose) Pilot car driver, self-Propelled Packer; Slurry Operator; Single Axle Trucks.

DECISION NO. MN79-2021

POWER EQUIPMENT OPERATORS:  
Building Construction

CLASS 1  
 CLASS 2  
 CLASS 3  
 CLASS 4  
 CLASS 5  
 CLASS 6  
 CLASS 7  
 CLASS 8  
 CLASS 9  
 CLASS 10  
 CLASS 11  
 CLASS 12

Basic Hourly Rates	MINN-1-PED-1 Fringe Benefits Payments			
	H & W	Pensions	Vacation	Education and/or Appr. Tr.
\$15.10	.70	.55		.05
13.45	.70	.55		.05
13.20	.70	.55		.05
12.60	.70	.55		.05
12.25	.70	.55		.05
12.15	.70	.55		.05
11.90	.70	.55		.05
11.78	.70	.55		.05
11.70	.70	.55		.05
11.43	.70	.55		.05
10.75	.70	.55		.05
10.30	.70	.55		.05

CLASS 1 - Helicopter Operator

CLASS 2 - Truck & Crawler Cranes with 300' of Boom and over, including jib  
 CLASS 3 - Truck & Crawler Cranes w/200' of Boom, up to and not including 300' of Boom, including jib

CLASS 4 - Truck & Crawler Cranes with 150' of Boom, up to and not including 200' of Boom, including jib

CLASS 5 - Traveling Tower Crane

CLASS 6 - Master Mechanic; Pile Driving Operator

CLASS 7 - Truck & Crawler Cranes up to 150' of Boom, including jib; Derrick (Guy & Stiffleg); Hoist Engineer (3 drums or more); Locomotive Operator; Overhead Crane Operator (Inside Building Perimeter); Tower Cranes - Stationary Tractor Operator with Boom; All Terrain Vehicle Cranes; Fireman, Chief License  
 CLASS 8 - Air Compressor Operator, 375 CFM or over; Pump Operator and/or Conveyor Opr., (2 or more machines); Hoist Engineer (two drum); Mechanic or Welder; Pumpcrete or Complaco-type Machine Operator; Forklift

CLASS 9 - Boom Truck Operator; Concrete Mixer Operator; Drill Rigs - Heavy Rotary or Churn when used for caisson drilling for Elevator Cylinder or Building Construction; Front End loader Operator; Hoist Engineer (one drum); Straddle Carrier Operator; Power Plant Engineer (100 KW and over on multiples equal to 100 KW and over); Tractor Operator over D2; Well Point Pump Operator  
 CLASS 10 - Concrete Batch Plant Operator; Fireman, First Class License; Gunitite Operator; Tractor Operator D-2 or similar size; Front End Loader Operator, up to 1 cu. yd.

CLASS 11 - Air Compressor Opr., 375 CFM or over; Pump and/or Conveyor Opr.; Fireman, Temporary Heat; Brakeman; Pick-up Sweeper (1 cu. yd. and over hopper capacity); Truck Crane Oiler; Welding Machine Opr. (see Schedule 16 on Air Comp., Pumps, Conveyors, Welding Mach.

CLASS 12 - Mechanical Space Heater (Temporary Heat); Oiler or Greaser; Elevator Operator

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REGISTRATION AND CLASSIFICATION

## POWER EQUIPMENT OPERATORS: (CONT'D)

DEFINITIONS AND CLASSIFICATION

SITE PREPARATION, EXCAVATION &amp;

INCIDENTAL PAVING

## POWER EQUIPMENT OPERATORS:

GROUP 1  
GROUP 2  
GROUP 3  
GROUP 4  
GROUP 5  
GROUP 6  
GROUP 7

Basic Hourly Rates	Fringe Benefits Payments			
	H & W	Pensions	Vacation	Education and/or Appr. Tr.
\$15.30	.70	.55		.05
12.91	.70	.55		.05
11.65	.70	.55		.05
11.52	.70	.55		.05
11.43	.70	.55		.05
10.55	.70	.55		.05
10.05	.70	.55		.05

GROUP 1 - Helicopter Pilot

GROUP 2 - Crane with over 135' Boom, excluding jib, Dragline and/or other similar equipment w/shovel type controls 3 cu. yds. &amp; over Mfg. rates capacity

GROUP 3 - Cableway Op., concrete Mixer, Stationary Plant over 34E, Derrick, Dragline and/or similar equipment with shovel type control up to 3 cu. yds. Mfg. rates capacity, Dredge Operator or Engineer, dredge Oper. (power) &amp; Yds. &amp; over, Grader or Motor Patrol Finishing earth &amp; bituminous, Locomotive crane Operator, Master Mechanic, Mixer (paving) Concrete Paving Op., Road Mole., Op., incl. power supply, Mucking Mach., incl. mucking operations Conveyor or similar type, Refrigeration Plant Engineer, Tandem Scraper, Tractor Op. (Boom Type), Truck Crane Op., Tugboat Op. 100 HP &amp; over

GROUP 4 - Dual Tractor Op., Elevating Grader Op., Pumpcrete Op., Scraper Op., Struck Capacity 32 cu. yds. &amp; over, Self-Propelled, Traveling Soil Stabilizer

GROUP 5 - Air track Rock Drill; Asphalt Bituminous Stabilizer Plant Op., Crushing Plant Op., or Gravel Washing, Crushing and Screening Plant Op., Dope Machine Op., Drill Rigs, Heavy Rotary or Churn or Cable Drill, Engineer in charge of Plant requiring First Class License, fork Lift or Lumber Stacker, Front End Loader Op., Loader Op., over 1 cu. yds., Hoist Engineer, Hydraulic Tree Planter, Launcher, Locomotive, all types, Mechanic or welder, Multiple machines, such as air compressors, welding machines, generators, pumps or crane oilers, paving breaker or tamping machines op., (power-driven - Mighty might or similar type, Pick-up sweeper, 1 cu. yd. &amp; over Hopper capacity, Pipeline wrapping, cleaning or bending machine Op. Power Plant Engineer, Power actuated horizontal boring mach., over 6" op., pugmill op., roller, 8 tons &amp; over, Rubber tired farm tractor, backhoe att., sheep foot op., tie tamper &amp; hallast mach. Op., Tractor op., over D2, TD6 or similar HP with power take-off, tractor Op., over 50 HP without power take-off, trenching machine Op., (sewer, water, gas) turnpull op., (or similar type) well point installation, dismantling or repair mechanic

GROUP 6 - Air compressor Op. 375 CFR or over, bituminous spreader and bituminous finishing machine op., Concrete dist. &amp; Spreader op., finishing machine longitudinal float op., joint mach. op., spray., concrete mixer op. 145 and under, concrete op. (Mult. Blade), curb mach. op., Fine grade Op., form trench digger, front end loader op. (up to &amp; incl. 1 cu. yd.), grader op. (motor patrol), gunite op. gunall, lead grader on truck or rack, loader op., power actuated Augers and boring mach. op. power actuated jacks op., pump op., roller op., self-propelled chip Spreader, shouldering mach. Op., stump chipper op., tractor op. (D2, TD6 or similar HP with power take-off)

GROUP 7 - Brakeman, switchman, conveyor op., deckhand, Fireman, Tank Car Heater op., Gravel screening plant op., greaser leverman, mech. helper, mech. space heater, oiler, self-prop. vib. packer op., sheep foot roller, tractor op. 50 HP or less w/o power take-off, truck crane oiler

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MODIFICATIONS P. 3

DECISION NO. MN79-2021 - MOD #1  
(44 FR 26463 - May 4, 1979)  
Anoka, Carver, Hennepin,  
Scott, Dakota, Ramsey &  
Washington Counties, Minnesota

CHANGE:

BRICKLAYERS & STONEMASONS  
ELECTRICIANS:

Residential

Carver, Hennepin & Scott Cos;  
Twp. of Anoka, Fridley, Crow  
& Ramsey in Anoka County:

Construction of all new  
family dwellings up to &  
including 4-plexes; and to  
all residential remodeling,  
rewiring & repairing in  
apartment buildings up to  
& including a 400 ampere  
service. This is limited  
to 3 floor occupied as  
living quarters floors &  
non-elevator apartment  
buildings

Dakota, Ramsey, Washington  
Cos; & Remainder of Anoka  
Co:

Construction of all new  
family dwellings up to &  
including 4-plexes, town-  
houses of 4 or less  
contiguous units; and to  
all residential remodel-  
ing, rewiring & repairing  
except that any single  
apartment project includ-  
ing a change of main ser-  
vice entrance shall not  
exceed 8 living units or  
400 amps.

IRONWORKERS

PAINTERS:

Remaining Counties:

Brush & Roller

Structural Steel & Spray

Basic Hourly Rate	Fringe Benefits Payments				Education and/or Appr. Tr.
	H & W	Pensions	Vacation		
\$11.16	.655	.73	.70		
8.50	.48	3%	.37	1%	
8.50	.50	3%	5%	3/4 of 1%	
12.20	.85	.80		.04	
11.31	.65	.40		.11	
11.91	.65	.40		.11	

MODIFICATIONS P. 4

DECISION NO. MN79-2021 - MOD #1 (Cont'd)

Basic Hourly Rate	Fringe Benefits Payments				Education and/or Appr. Tr.
	H & W	Pensions	Vacation		
\$11.30	.45	.50	.35	.01	
11.77	.53	.50	1.52	.06	
11.94	.53	.50	1.35	.05	
11.94	.54	.50	1.25	.05	
\$11.45					
10.00	7%	6%	10%	3/4 of 1%	
12.15	7%	6%	10%	3/4 of 1%	
11.39	.66	3%	6%	.25%	
9.11	.66	3%	6%	.25%	
12.20	.85	.80		.04	

DECISION NO. MN79-2022 - MOD #1  
(44 FR 26468 - May 4, 1979)  
Blue Earth, Fairbault,  
Freeborn & Mower Counties,  
Minnesota

CHANGE:

CEMENT MASONS & PLASTERERS:

Building: Blue Earth County

Cement Masons

ELECTRICIANS:

Blue Earth & Fairbault Cos;

Jobs outside the Mankato

City area less than \$50,000

Jobs within a 5 mile radius

of Mankato \$50,000 & over

Freeborn & Mower Counties;

\$75,000 or more

\$75,000 or less & Residential

IRONWORKERS

NEW REQUIREMENTS FOR FEDERALLY ASSISTED CONSTRUCTION CONTRACTS  
REGARDING LABOR STANDARDS AND EQUAL EMPLOYMENT OPPORTUNITY

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A. Equal Opportunity

1. During the performance of this contract the contractor agrees as follows:
  - a. The contractor will not discriminate against any employee or applicant for employment because of race, color, sex, religion, national origin or age. The contractor will take affirmative action to insure that applicants are employed and that employees are treated during employment without regard to their race, color, sex, religion, national origin or age. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by an appropriate agency of the Federal Government setting forth the requirements of these nondiscrimination provisions.
  - b. The contractor will state in all solicitations or advertisements for employees placed by or on behalf of the contractor that all qualified applicants will receive consideration for employment without regard to race, color, sex, religion, national origin or age.
  - c. The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding a notice, to be provided by the owner, advising the labor union or workers' representative of the contractor's commitments under Section 202 of Executive Order No. 11246 of September 24, 1965, as amended, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

- d. The contractor will comply with all provisions of Executive Order No. 11246 of September 24, 1965, as amended, and of the rules, regulations and relevant orders of the Secretary of Labor.
- e. The contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, as amended, and by the rules, regulations and orders of the Secretary of Labor or pursuant thereto, and will permit access to his books, records, and accounts by an appropriate agency of the Federal Government and by the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations and orders.
- f. In the event of the contractor's noncompliance with the equal opportunity conditions of this contract or with any of such rules, regulations or orders, this contract may be cancelled, terminated or suspended in whole or in part, and the contractor may be declared ineligible for further government contracts or Federally assisted contracts in accordance with procedures authorized in Executive Order No. 11246 of September 24, 1965, as amended, and such other sanctions may be imposed and remedies invoked as provided in said Executive Order, or by rule, regulation or order of the Secretary of Labor, or as otherwise provided by law.
- g. The contractor will include all clauses A.1.a to g. inclusive in every subcontract or purchase order unless exempted by rules, regulations or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order No. 11246 of September 24, 1965, as amended, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontractor or vendor as the appropriate agency of the Federal Government may direct as a means of enforcing such provisions, including sanctions for non-compliance, provided, however, that in the event the contractor becomes involved in, or

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is threatened with, litigation with a sub-contractor or vendor as a result of such direction by the appropriate agency of the Federal Government, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

2. Exemptions to the requirements of the above Equal Opportunity conditions are construction contracts and subcontracts not exceeding \$10,000, and contracts and subcontracts with regard to work performed outside the United States by employees who were not recruited in the United States.
3. Unless otherwise provided, the above Equal Opportunity provisions are not required to be inserted in subcontracts except for subcontracts involving the performance of construction work at the site of construction, in which case the provisions must be inserted in all subcontracts.

B. Certification of Nonsegregated Facilities

(Applicable to contracts and subcontracts exceeding \$10,000 which are not exempt from the provisions of paragraph A, "Equal Opportunity," of this form.)

1. By entering into an agreement related to the work described in the contract documents the contractor or subcontractor certifies that he does not maintain or provide for his employees any segregated facilities at any of his establishments, and that he does not permit his employees to perform their services at any location under his control where segregated facilities are maintained. The contractor or subcontractor further certifies that he will not maintain or provide for his employees any segregated facilities at any of his establishments and that he will not permit his employees to perform their services at any location under his control where segregated facilities are maintained. The contractor or subcontractor agrees that a breach of this certification is a violation of paragraph A, "Equal Opportunity." As used herein, the term "segregated facilities" means any waiting rooms, work areas, rest rooms and washrooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots,



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drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees on the basis of race, religion, color, or age or national origin, because of habit, local custom, or otherwise. The contractor further agrees that (except where he has obtained identical certifications from proposed subcontractors for specific time periods) he will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of paragraph A, "Equal Opportunity;" that he will retain such certifications in his files; and that he will forward the following notice to such proposed subcontractors (except where the proposed subcontractors have submitted identical certifications for specific time periods):

**"NOTICE TO PROSPECTIVE SUBCONTRACTORS OF REQUIREMENT FOR CERTIFICATION OF NONSEGREGATED FACILITIES"**

A certification of nonsegregated facilities, as required by the May 9, 1967, order (32 Federal Register 7439, May 19, 1967) on elimination of segregated facilities, by the Secretary of Labor, must be submitted prior to the award of a subcontract exceeding \$10,000 which is not exempt from the provisions of "Equal Opportunity." The certification may be submitted either for each subcontract or for all subcontracts during a period, i.e., quarterly, semiannually or annually.

2. The penalty for making false statements in certifications required by paragraph B.1 is prescribed in 18 U.S.C. 1001.

**Solicitations**

The following notice shall be included in, and shall be a part of, all solicitations for offers and bids on all Federally assisted construction contracts or subcontracts in excess of \$10,000 to be performed in designated geographical areas:

**"NOTICE OF REQUIREMENTS FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY(Executive Order No. 11246)**

1. The Offeror's or Bidder's attention is called to the 'Equal Opportunity Clause' and the 'Standard Federal Equal Employment Opportunity Construction Contract Specifications' set forth herein.
2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Timetables	Goals for Minority Participation in Each Trade	Goals for Female Participation in Each Trade
(Insert Goals for Each Year)		

From April 1, 1979 until fur ther notice 5.0

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or Federally assisted) performed in the covered areas.

The Contractor's compliance with Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity clause, specific affirmative action obligations required by the specifications set forth herein under paragraph D and its efforts to meet the goals established for the geographical area where the contract resulting from this solicitation is to be performed. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

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3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within 10 working days of award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor; employer identification number; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the contract is to be performed.
  4. As used in this Notice and in the contract resulting from this solicitation, the 'covered area' is the geographical areas where the contract is to be performed.

#### Equal Opportunity Clauses

Standard Federal Equal Employment Opportunity Construction Contract Specifications (Executive Order 11246) (Applicable to all Federally assisted construction contracts in excess of \$10,000 to be performed in designated geographical areas.)

1. As used in these specifications:
  - a. "Covered area" means the geographical area described in the solicitation from which this contract resulted;
  - b. "Director" means Director, Office of Federal Contract Compliance Programs, United States Department of Labor, or any person to whom the Director delegates authority;
  - c. "Employer identification number" means the Federal Social Security Number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941;
  - d. "Minority" includes:
    - (1) Black (all persons having origins in any of the Black African racial groups not of Hispanic origin);
    - (2) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish culture or origin, regardless of race);

- (3) Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands); and
- (4) American Indian or Alaskan Native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification).
2. Whenever the Contractor, or any Subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of \$10,000 the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.
3. If the Contractor is participating in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each Contractor or Subcontractor participating in an approved Plan is individually required to comply with its obligations under the Equal Employment Opportunity Clause, and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other Contractors or Subcontractors toward a goal in an approved Plan does not excuse any covered Contractor's or Subcontractor's failure to take good faith efforts to achieve the Plan goals and timetables.
4. The Contractor shall implement the specific affirmative action standards provided in paragraphs 7a through p of these specifications. The goals set forth in the solicitation from

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which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. The Contractor is expected to make substantially uniform progress toward its goals in each craft during the period specified.

5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the Contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the Contractor's obligations under these specifications, Executive Order 11246, or the regulations promulgated pursuant thereto.
6. In order for the nonworking training hours of apprentices and trainees to be counted in meeting the goals, such apprentices and trainees must be employed by the Contractor during the training period, and the Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.
7. The Contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The Contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:
  - a. Ensure and maintain a working environment free of harrassment, intimidation, and coercion at all sites, and in all facilities at which the Contractor's employees are assigned to work. The Contractor, where possible, will assign two or more women to each construction project. The Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.

- b. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Contractor or its union have employment opportunities available, and maintain a record of the organizations' responses.
- c. Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred, not employed by the Contractor, this shall be documented in the file with the reason therefor, along with whatever additional actions the Contractor may have taken.
- d. Provide immediate written notification to the Director when the union or unions with which the Contractor has a collective bargaining agreement has not referred to the Contractor a minority person or woman sent by the Contractor, or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.
- e. Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the Contractor's employment needs, especially those programs funded or approved by the Department of Labor. The Contractor shall provide notice of these programs to the sources compiled under 7b above.
- f. Disseminate the Contractor's Equal Employment Opportunity policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its Equal Employment

Opportunity obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company Equal Employment Opportunity policy on bulletin boards accessible to all employees at each location where construction work is performed.

- g. Review, at least annually, the company's Equal Employment Opportunity policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with on-site supervisory personnel such as superintendents, general foremen, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.
- h. Disseminate the Contractor's Equal Employment Opportunity policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the Contractor's Equal Employment Opportunity policy with other Contractors and Subcontractors with whom the Contractor does or anticipates doing business.
- i. Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the Contractor shall send written notification to organizations such as the above, describing the openings, screening procedures, and tests to be used in the selection process.

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- j. Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer and vacation employment to minority and female youth both in the site and in other areas of a Contractor's work force.
  - k. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.
  - l. Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.
  - m. Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that Equal Employment Opportunity policy and the Contractor's obligations under these specifications are being carried out.
  - n. Ensure that all facilities and company activities are nonsegregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.
  - o. Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.
  - p. Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's Equal Employment Opportunity policies and affirmative action obligations.
8. Contractors are encouraged to participate in voluntary associations which assist in fulfilling one or more of their affirmative action obligations (7a through p). The efforts of a contractor association, joint contractor-union, contractor-community, or



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other similar group of which the contractor is a member and participant, may be asserted as fulfilling any one or more of its obligations under 7a through p of these specifications provided that the Contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the Contractor's minority and female work force participation, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the Contractor. The obligations to comply, however, is the Contractor's and failure of such a group to fulfill an obligation shall not be a defense for the Contractor's noncompliance.

9. A single goal for minorities and a separate single goal for women have been established. The Contractor, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the Contractor may be in violation of the Executive Order if a particular group is employed in a substantially disparate manner (for example, even though the Contractor has achieved its goals for women generally, the Contractor may be in violation of the Executive Order if a specific minority group of women is underutilized).
10. The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex, or national origin.
11. The Contractor shall not enter into any subcontract with any person or firm debarred from Government contracts pursuant to Executive Order 11246.
12. The Contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Employment Opportunity clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or

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ordered pursuant to Executive Order 11246, as amended, and its implementing regulations, by the Office of Federal Contracts Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.

13. The Contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.
14. The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company Equal Employment Opportunity policy is being carried out, to submit reports relating to the provisions hereof as may be required by the Government, and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation, if any, employee identification number when assigned, social security number, race, sex, status (e.g. mechanical, apprentice, trainee helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, Contractors shall not be required to maintain separate records.
15. Nothing herein provided shall be construed as a limitation upon the application of other laws which establish different standards of compliance or upon the application of requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

## Minimum Wages

1. All mechanics and laborers, employed or working directly upon the site of the work shall be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by the Copeland Regulations (29 CFR Part 3)), the full amounts due at time of payment computed at wage rates not less than the aggregate of the basic hourly rates and the rates of payments, contributions, or costs for any fringe benefits contained in the wage determination decision of the Secretary of Labor, which is attached hereto and made a part hereof, regardless of any contractual relationships which may be alleged to exist between the Contractor or Subcontractor and such laborers and mechanics and the wage decision shall be posted by the Contractor at the site of the work in a prominent place where it can easily be seen by the workers.
2. The Owner shall require that any class of laborers or mechanics, including apprentices and trainees, which is not listed in the wage determination and which is to be employed under the contract shall be classified or reclassified conformably to the wage determination and a report of the action taken shall be sent to the Department of Health, Education, and Welfare. If the interested parties cannot agree on the proper classification or reclassification of a particular class of laborers or mechanics, including apprentices and trainees to be used, the Owner shall submit the question together with his recommendation through the Department of Health, Education, and Welfare to the Secretary of Labor for final determination.
3. The Owner shall require, whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly wage rate and the Contractor is obliged to pay a cash equivalent of such a fringe benefit, an hourly cash equivalent thereof to be established. In the event interested parties cannot agree upon a cash equivalent of the fringe benefit, the question, accompanied by the recommendation of the Owner shall be referred to the Secretary of Labor for determination.

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4. If the Contractor does not make payments to a trustee or other third person, he may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing benefits under a plan or program of a type expressly listed in the wage determination decision of the Secretary of Labor which is a part of this contract: Provided, however, the Secretary of Labor has found, upon the written request of the Contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the Contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

F. Payrolls and Basic Records

1. The Contractor shall maintain payrolls and basic records relating thereto during the course of the work and shall preserve them for a period of three years thereafter for all laborers and mechanics, including apprentices and trainees, working at the site of the work. Such records shall contain the name and address of each employee, his correct classification, rate of pay (including rates of contribution for, or costs assumed to provide, fringe benefits), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Contractor has obtained approval from the Secretary of Labor as provided in paragraph E.4, the Contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits.
2. The Contractor shall submit weekly a copy of all payrolls to the Owner. The prime contractor shall be responsible for the submission of copies of payrolls of all Subcontractors. Each such copy shall be accompanied by a statement signed by the Contractor indicating that the payrolls are correct and complete, that the wage rates contained therein are not less than those determined by the Secretary of Labor, and that the classification set forth for

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each laborer or mechanic, including apprentices and trainees, conform to the work he performed. Submission of the "Weekly Statement of Compliance" required under this contract and the Copeland Regulations of the Secretary of Labor (29 CFR Part 3) shall satisfy the requirement for submission of the above statement. The Contractor shall submit also a copy of any approval by the Secretary of Labor with respect to fringe benefits which is required by paragraph E-4.

3. Contractors employing apprentices or trainees under approved programs shall include a notation on the first weekly certified payrolls submitted to the Owner that their employment is pursuant to an approved program and shall identify the program.
4. The Contractor will make the records required under the labor standards clauses of the contract available for inspection by authorized representatives of the Owner, U.S. Department of Health, Education, and Welfare, and the U.S. Department of Labor, and shall permit such representatives to interview employees during working hours on the job.

#### Apprentices and Trainees

1. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Manpower Administration, Bureau of Apprenticeship and Training, or with a State Apprenticeship Agency recognized by the Bureau, or if a person is employed in his first 90 days of probationary employment as an apprenticeship in such an apprenticeship program who is not individually registered in the program but who has been certified by the Bureau of Apprenticeship and Training or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen in any craft classification shall not be greater than the ratio permitted to the Contractor as to his entire work force under the registered program. Any employee listed on a

payroll at an apprentice wage rate, who is not a trainee as defined in subparagraph 2 of this paragraph or is not registered or otherwise employed as stated above, shall be paid the wage rate determined by the Secretary of Labor for the classification of work he actually performed. The Contractor will be required to furnish to the Owner or a representative of the U.S. Department of Labor written evidence of the registration of his program and apprentices as well as the appropriate ratios and wage rates (expressed in percentages of the journeyman hourly rates), for the area of construction prior to using any apprentices on the contract work. The wage rate paid apprentices shall be not less than the appropriate percentage of the journeyman's rate contained in the applicable wage determination.

## 2. Trainees

Trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval evidenced by formal certification, by the U.S. Department of Labor, Manpower Administration, Bureau of Apprenticeship and Training. The ratio of trainees to journeymen shall not be greater than permitted under the plan approved by the Bureau of Apprenticeship and Training. Every trainee must be paid not less than the rate specified in the approved program for his level of progress. Any employee listed in the payroll at a trainee rate who is not registered and participating in a training plan approved by the Bureau of Apprenticeship and Training shall be paid not less than the wage rate determined by the Secretary of Labor for the classification of work he actually performed. The Contractor will be required to furnish the Owner or a representative of the U.S. Department of Labor written evidence of the certification of his program, the registration of the trainees, and the ratios and wage rates prescribed in that program. In the event the Bureau of Apprenticeship and Training withdraws approval of a training program, the Contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

### 3. Equal Employment Opportunity

The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.

#### Compliance with Copeland Regulations

1. The Contractor shall comply with the Copeland Regulations of the Secretary of Labor (29 CFR Part 3) which are incorporated herein by reference. In addition, the Weekly Statement of Compliance required by these regulations shall also contain a statement that the fringe benefits paid are equal to or greater than those set forth in the minimum wage decision.

#### Contract Work Hours and Safety Standards Act - Overtime Compensation and Safety Standards (40 U.S.C. 327-330)

- 1/ 1. The Contractor shall not require or permit any laborer or mechanic, including apprentices and trainees, in any workweek in which he is employed on any work under this contract to work in excess of 8 hours in any calendar day or in excess of 40 hours in such workweek on work subject to the provisions of the Contract Work Hours and Safety Standards Act unless such laborer or mechanic, including apprentices and trainees, receives compensation at a rate not less than one and one-half times his basic rate of pay for all such hours worked in excess of 8 hours in any calendar day or in excess of 40 hours in such workweek, whichever is the greater number of overtime hours. The "basic rate of pay" as used in this provision shall be the amount paid per hour, exclusive of the Contractor's contribution or cost for fringe benefits, and any cash payment made in lieu of providing fringe benefits, or the basic hourly rate contained in the wage determination, whichever is greater.
- 1/ 2. In the event of any violation of the provisions of paragraph I.1, the Contractor shall be liable to any affected employee for any amounts due and to the United States for liquidated damages. Such liquidated damages shall be computed with respect

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Exclude from construction contracts on projects insured under FHA/HUD Section 242 of the National Housing Act.

to each individual laborer or mechanic, including apprentices and trainees, employed in violation of the provisions of paragraph I.1, in the sum of \$10 for each calendar day on which such employee was required or permitted to be employed on such work in excess of 8 hours or in excess of the standard workweek of 40 hours without payment of the overtime wages required by paragraph I.1.

- 3. The Contractor shall not require or permit any laborer or mechanic, including apprentices and trainees, employed in the performance of this contract to work in surroundings or under conditions which are unsanitary, hazardous, or dangerous to his health as determined under construction safety and health standards promulgated by the Secretary of Labor by regulation (29 CFR Part 1926, 36 FR 7340, April 17, 1971) pursuant to Section 107 of the Contract Work Hours and Safety Standards Act.

J. Withholding of Funds

- 1. The Owner may withhold or cause to be withheld from the Contractor as much of the accrued payments or advances as may be considered necessary (a) to pay the laborers and mechanics, including apprentices and trainees, employed by the Contractor or any Subcontractor on the work the full amount of wages required by the contract, and (b) to satisfy any liability of any Contractor for liquidated damages under paragraph I hereof entitled "Contract Work Hours and Safety Standards Act - Overtime Compensation and Safety Standards (40 U.S.C. 327-330)."
- 2. If the Contractor or any Subcontractor fails to pay any laborer or mechanic, including apprentices and trainees, employed or working on the site of the work, all or part of the wages required by the contract, the Owner may after written notice to the prime contractor take such action as may be necessary to cause suspension of any further payments or advances until such violations have ceased.

K. Subcontracts

- 1. The Contractor will insert in all subcontracts, paragraphs E through L inclusive, entitled:



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"Minimum Wages," "Payrolls and Basic Records," "Apprentices and Trainees," "Compliance with Copeland Regulations," "Contract Work Hours and Safety Standards Act - Overtime Compensation and Safety Standards (40 U.S.C. 327-330)," "Withholding of Funds," "Subcontracts," and "Contract Termination -- Debarment," and shall further require all Subcontractors to incorporate physically these same paragraphs in all subcontracts.

2. The term "Contractor" as used in such paragraphs in any subcontract shall be deemed to refer to the Subcontractor except when the phrase "Prime Contractor" is used.

#### Contract Termination - Debarment

1. A breach of paragraphs E through K inclusive, respectively entitled "Minimum Wages," "Payrolls and Basic Records," "Apprentices and Trainees," "Compliance with Copeland Regulations," "Contract Work Hours and Safety Standards (40 U.S.C. 327-330)," "Withholding of Funds," "Subcontracts" may be grounds for termination of the contract and for debarment as provided in 29 CFR 5.6.

ADDENDUM NO. 1

17 April 1980

First Addendum to conditions, specifications, related documents and drawings entitled:

UNIT B/C PHASE 1-A DIEHL HALL  
LEARNING RESOURCE CENTER  
LIBRARY REMODELING PROJECT  
UNIVERSITY OF MINNESOTA  
HEALTH SCIENCES EXPANSION  
PROJECT NO.: MINN-HP-18

APR 22 1980

UNIV. OF MINN.  
HEALTH SCIENCE  
PLANNING OFFICE

Cambridge, Massachusetts

THE ARCHITECTS COLLABORATIVE, INC.

HEALTH SCIENCES ARCHITECTS & ENGINEERS, INC.  
University Park Plaza - Suite 704  
2829 University Avenue Southeast  
(612) 378-3833

Minneapolis, Minnesota  
55414

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The additions, revisions, omissions, corrections and clarifications contained herein shall be made to drawings and specifications for the project and shall be included in the scope of work and proposals to be submitted. References made below to specifications and drawings shall be used as a general guide only. Bidders and Contractors shall determine for themselves the work affected by Addendum items.

SPECIFICATIONS - ALL CONSTRUCTION

- 1 - Project Identification: (A) Wherever project number occurs, complete project identification by adding: "University Project Number 111-78-0715".
- 2 - Bidding Requirements - Section A3 - Bid Form: (A) Page A3-2: Void page A3-2 and replace with revised page A3-2 included with and as part of this Addendum.
- 3 - Section C1 - General Conditions of the Contract: (A) Page C-34.  
Article 11.1.10: Minimum liability insurances shall be not less than \$500,000 for each person and not less than \$500,000 for each occurrence for injuries and property damage.  
  
(B) Page C-53 thru C-59, Article 17: Delete paragraphs 17.1 thru 17.10.2 in their entirety and substitute Form HEW 514 (Rev. 8/78), total of 20 pages, copy enclosed with and as a part of this Addendum. Reuse Articles 17.11 and 17.12, do not delete.
- 4 - Section C2, Wage Decisions: (A) Include Minimum Federal Wage Rate Decision No. MN 79-2021, dated May 4, 1979 and Modification No. 1 a total of 6 pages, included with and as a part of this Addendum.

UM HEALTH SCIENCES  
UNIT B/C PHASE 1-A  
ADDENDUM #1  
Page 1

5 - Section 01100 - Description of Alternates: (A) Article 1.2, Identification. Omit this article in its entirety.

(B) Article 2.1, pages 2, 3 and 4: Delete designations G-1, G-2, M-2, E-2, G-3, G-4, G-5, M-6, E-6, M-7, and E-7 following various headings.

SPECIFICATIONS - GENERAL CONSTRUCTION

6 - Section 09500, Acoustical Treatment: (A) 2.1A. Acoustical lay-in panels should be classic design Minaboard, Armstrong #765A.

7 - Acceptable Manufacturers: The below listed manufacturers of materials, equipment or systems are acceptable subject to final acceptance of the specific products as to satisfying all requirements of the Contract Documents. The cost of any changes in the work of all trades as a result of substitutions shall be borne by the Contractor making the substitutions:

<u>Specification Reference</u>	<u>Item</u>	<u>Acceptable Manufacturers</u>
08330 2.1A	Rolling Shutters	1) Afton Metal Product Corp. 2) Atlas Door Corp.
09500 2.1A	Acoustical Lay-in Panels	Conwed Constellation II Vinyl Coated 5/8 x 24 x 48
10160 2.1A	Toilet Compartments	Ampco Products, Inc.

DRAWINGS - GENERAL CONSTRUCTION

8 - Sheet A2:

(A) Handrail on wall at west side of ramp at entry to lobby 202 shall turn corner (at both the top and bottom of ramp) and extend 12" to the west and return to wall. See 36/A4.

(B) Relocate doors 209 and 210 and adjacent walls to position shown on Sheet 1 Appendix A. Alter elevations 2/A2 and 9/A2 and ceiling plan accordingly.

(C) On Detail 1/A2 increase width of mullion between doors 203A and 203E to 5". See Appendix A, Sheet 2.

SPECIFICATIONS - ELECTRICAL CONSTRUCTION

9 - Acceptable Manufacturers: The below listed manufacturers of materials, equipment or systems are acceptable subject to final acceptance of the specific products as to satisfying all requirements of the Contract Documents. The cost of any changes in the work of all trades as a result of substitutions shall be borne by the Contractor making the substitutions.

<u>Specification Section</u>	<u>Item</u>	<u>Acceptable Manufacturer</u>
16400-2.6	Battery inverter power unit	Exide

DRAWINGS - ELECTRICAL CONSTRUCTION

10 - Sheet E-2: (A) Room 209, 210, 211. Electrical equipment installation shall be as shown on attached drawing #3.

ACKNOWLEDGE RECEIPT OF THIS ADDENDUM ON THE BID FORM

(8) Base Bid: Bidder agrees to provide all work required by the Contract Documents for the lump sum of: \_\_\_\_\_

\_\_\_\_\_ \$ \_\_\_\_\_

(9) Alternates: Refer to Section 01100, Description of Alternates:

Alternate No. 1: (Omit lobby bench): DEDUCT \_\_\_\_\_

\_\_\_\_\_ \$ \_\_\_\_\_

Alternate No. 2: (Omit Rooms 207 and 208): DEDUCT \_\_\_\_\_

\_\_\_\_\_ \$ \_\_\_\_\_

Alternate No. 3: (Omit VAT in Room 211): DEDUCT \_\_\_\_\_

\_\_\_\_\_ \$ \_\_\_\_\_

Alternate No. 4: (Omit carpeting): DEDUCT \_\_\_\_\_

\_\_\_\_\_ \$ \_\_\_\_\_

Alternate No. 5: (Omit duct enclosure): DEDUCT \_\_\_\_\_

\_\_\_\_\_ \$ \_\_\_\_\_

Alternate No. 6: (Omit air conditioning floor 2): DEDUCT \_\_\_\_\_

\_\_\_\_\_ \$ \_\_\_\_\_

Alternate No. 7: (Omit air conditioning floors 3 and 4): DEDUCT \_\_\_\_\_

\_\_\_\_\_ \$ \_\_\_\_\_

NEW REQUIREMENTS FOR FEDERALLY ASSISTED CONSTRUCTION CONTRACTS  
REGARDING LABOR STANDARDS AND EQUAL EMPLOYMENT OPPORTUNITY

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A. Equal Opportunity

1. During the performance of this contract the contractor agrees as follows:

- a. The contractor will not discriminate against any employee or applicant for employment because of race, color, sex, religion, national origin or age. The contractor will take affirmative action to insure that applicants are employed and that employees are treated during employment without regard to their race, color, sex, religion, national origin or age. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by an appropriate agency of the Federal Government setting forth the requirements of these nondiscrimination provisions.
- b. The contractor will state in all solicitations or advertisements for employees placed by or on behalf of the contractor that all qualified applicants will receive consideration for employment without regard to race, color, sex, religion, national origin or age.
- c. The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding a notice, to be provided by the owner, advising the labor union or workers' representative of the contractor's commitments under Section 202 of Executive Order No. 11246 of September 24, 1965, as amended, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

- d. The contractor will comply with all provisions of Executive Order No. 11246 of September 24, 1965, as amended, and of the rules, regulations and relevant orders of the Secretary of Labor.
- e. The contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, as amended, and by the rules, regulations and orders of the Secretary of Labor or pursuant thereto, and will permit access to his books, records, and accounts by an appropriate agency of the Federal Government and by the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations and orders.
- f. In the event of the contractor's noncompliance with the equal opportunity conditions of this contract or with any of such rules, regulations or orders, this contract may be cancelled, terminated or suspended in whole or in part, and the contractor may be declared ineligible for further government contracts or Federally assisted contracts in accordance with procedures authorized in Executive Order No. 11246 of September 24, 1965, as amended, and such other sanctions may be imposed and remedies invoked as provided in said Executive Order, or by rule, regulation or order of the Secretary of Labor, or as otherwise provided by law.
- g. The contractor will include all clauses A.1.a to g. inclusive in every subcontract or purchase order unless exempted by rules, regulations or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order No. 11246 of September 24, 1965, as amended, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontractor or vendor as the appropriate agency of the Federal Government may direct as a means of enforcing such provisions, including sanctions for non-compliance, provided, however, that in the event the contractor becomes involved in, or

is threatened with, litigation with a sub-contractor or vendor as a result of such direction by the appropriate agency of the Federal Government, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

2. Exemptions to the requirements of the above Equal Opportunity conditions are construction contracts and subcontracts not exceeding \$10,000, and contracts and subcontracts with regard to work performed outside the United States by employees who were not recruited in the United States.
3. Unless otherwise provided, the above Equal Opportunity provisions are not required to be inserted in subcontracts except for subcontracts involving the performance of construction work at the site of construction, in which case the provisions must be inserted in all subcontracts.

B. Certification of Nonsegregated Facilities

(Applicable to contracts and subcontracts exceeding \$10,000 which are not exempt from the provisions of paragraph A, "Equal Opportunity," of this form.)

1. By entering into an agreement related to the work described in the contract documents the contractor or subcontractor certifies that he does not maintain or provide for his employees any segregated facilities at any of his establishments, and that he does not permit his employees to perform their services at any location under his control where segregated facilities are maintained. The contractor or subcontractor further certifies that he will not maintain or provide for his employees any segregated facilities at any of his establishments and that he will not permit his employees to perform their services at any location under his control where segregated facilities are maintained. The contractor or subcontractor agrees that a breach of this certification is a violation of paragraph A, "Equal Opportunity." As used herein, the term "segregated facilities" means any waiting rooms, work areas, rest rooms and washrooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots,



drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees on the basis of race, religion, color, or age or national origin, because of habit, local custom, or otherwise. The contractor further agrees that (except where he has obtained identical certifications from proposed subcontractors for specific time periods) he will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of paragraph A, "Equal Opportunity;" that he will retain such certifications in his files; and that he will forward the following notice to such proposed subcontractors (except where the proposed subcontractors have submitted identical certifications for specific time periods):

**"NOTICE TO PROSPECTIVE SUBCONTRACTORS OF REQUIREMENT FOR CERTIFICATION OF NONSEGREGATED FACILITIES"**

A certification of nonsegregated facilities, as required by the May 9, 1967, order (32 Federal Register 7439, May 19, 1967) on elimination of segregated facilities, by the Secretary of Labor, must be submitted prior to the award of a subcontract exceeding \$10,000 which is not exempt from the provisions of "Equal Opportunity." The certification may be submitted either for each subcontract or for all subcontracts during a period, i.e., quarterly, semiannually or annually.

2. The penalty for making false statements in certifications required by paragraph B.1 is prescribed in 18 U.S.C. 1001.

**Solicitations**

The following notice shall be included in, and shall be a part of, all solicitations for offers and bids on all Federally assisted construction contracts or subcontracts in excess of \$10,000 to be performed in designated geographical areas:

**"NOTICE OF REQUIREMENTS FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (Executive Order No. 11246)**

1. The Offeror's or Bidder's attention is called to the 'Equal Opportunity Clause' and the 'Standard Federal Equal Employment Opportunity Construction Contract Specifications' set forth herein.
2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Timetables	Goals for Minority Participation in Each Trade	Goals for Female Participation in Each Trade
(Insert Goals for Each Year)		

From April 1, 1979 until further notice      5.0

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or Federally assisted) performed in the covered areas.

The Contractor's compliance with Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity clause, specific affirmative action obligations required by the specifications set forth herein under paragraph D and its efforts to meet the goals established for the geographical area where the contract resulting from this solicitation is to be performed. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within 10 working days of award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor; employer identification number; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the contract is to be performed.
4. As used in this Notice and in the contract resulting from this solicitation, the 'covered area' is the geographical areas where the contract is to be performed.

#### Equal Opportunity Clauses

Standard Federal Equal Employment Opportunity Construction Contract Specifications (Executive Order 11246) (Applicable to all Federally assisted construction contracts in excess of \$10,000 to be performed in designated geographical areas.)

#### 1. As used in these specifications:

- a. "Covered area" means the geographical area described in the solicitation from which this contract resulted;
- b. "Director" means Director, Office of Federal Contract Compliance Programs, United States Department of Labor, or any person to whom the Director delegates authority;
- c. "Employer identification number" means the Federal Social Security Number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941;
- d. "Minority" includes:
  - (1) Black (all persons having origins in any of the Black African racial groups not of Hispanic origin);
  - (2) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish culture or origin, regardless of race);

- (3) Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands); and
- (4) American Indian or Alaskan Native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification).

2. Whenever the Contractor, or any Subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of \$10,000 the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.
3. If the Contractor is participating in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each Contractor or Subcontractor participating in an approved Plan is individually required to comply with its obligations under the Equal Employment Opportunity Clause, and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other Contractors or Subcontractors toward a goal in an approved Plan does not excuse any covered Contractor's or Subcontractor's failure to take good faith efforts to achieve the Plan goals and timetables.
4. The Contractor shall implement the specific affirmative action standards provided in paragraphs 7a through p of these specifications. The goals set forth in the solicitation from

which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. The Contractor is expected to make substantially uniform progress toward its goals in each craft during the period specified.

5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the Contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the Contractor's obligations under these specifications, Executive Order 11246, or the regulations promulgated pursuant thereto.
6. In order for the nonworking training hours of apprentices and trainees to be counted in meeting the goals, such apprentices and trainees must be employed by the Contractor during the training period, and the Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.
7. The Contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The Contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:
  - a. Ensure and maintain a working environment free of harrassment, intimidation, and coercion at all sites, and in all facilities at which the Contractor's employees are assigned to work. The Contractor, where possible, will assign two or more women to each construction project. The Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.

- b. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Contractor or its union have employment opportunities available, and maintain a record of the organizations' responses.
- c. Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred, not employed by the Contractor, this shall be documented in the file with the reason therefor, along with whatever additional actions the Contractor may have taken.
- d. Provide immediate written notification to the Director when the union or unions with which the Contractor has a collective bargaining agreement has not referred to the Contractor a minority person or woman sent by the Contractor, or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.
- e. Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the Contractor's employment needs, especially those programs funded or approved by the Department of Labor. The Contractor shall provide notice of these programs to the sources compiled under 7b above.
- f. Disseminate the Contractor's Equal Employment Opportunity policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its Equal Employment

Opportunity obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company Equal Employment Opportunity policy on bulletin boards accessible to all employees at each location where construction work is performed.

- g. Review, at least annually, the company's Equal Employment Opportunity policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with on-site supervisory personnel such as superintendents, general foremen, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.
- h. Disseminate the Contractor's Equal Employment Opportunity policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the Contractor's Equal Employment Opportunity policy with other Contractors and Subcontractors with whom the Contractor does or anticipates doing business.
- i. Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the Contractor shall send written notification to organizations such as the above, describing the openings, screening procedures, and tests to be used in the selection process.

- j. Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer and vacation employment to minority and female youth both in the site and in other areas of a Contractor's work force.
  - k. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.
  - l. Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.
  - m. Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that Equal Employment Opportunity policy and the Contractor's obligations under these specifications are being carried out.
  - n. Ensure that all facilities and company activities are nonsegregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.
  - o. Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.
  - p. Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's Equal Employment Opportunity policies and affirmative action obligations.
8. Contractors are encouraged to participate in voluntary associations which assist in fulfilling one or more of their affirmative action obligations (7a through p). The efforts of a contractor association, joint contractor-union, contractor-community, or



other similar group of which the contractor is a member and participant, may be asserted as fulfilling any one or more of its obligations under 7a through p of these specifications provided that the Contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the Contractor's minority and female work force participation, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the Contractor. The obligations to comply, however, is the Contractor's and failure of such a group to fulfill an obligation shall not be a defense for the Contractor's noncompliance.

9. A single goal for minorities and a separate single goal for women have been established. The Contractor, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the Contractor may be in violation of the Executive Order if a particular group is employed in a substantially disparate manner (for example, even though the Contractor has achieved its goals for women generally, the Contractor may be in violation of the Executive Order if a specific minority group of women is underutilized).
10. The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex, or national origin.
11. The Contractor shall not enter into any subcontract with any person or firm debarred from Government contracts pursuant to Executive Order 11246.
12. The Contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Employment Opportunity clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or

ordered pursuant to Executive Order 11246, as amended, and its implementing regulations, by the Office of Federal Contracts Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.

13. The Contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.
14. The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company Equal Employment Opportunity policy is being carried out, to submit reports relating to the provisions hereof as may be required by the Government, and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation, if any, employee identification number when assigned, social security number, race, sex, status (e.g. mechanical, apprentice, trainee helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, Contractors shall not be required to maintain separate records.
15. Nothing herein provided shall be construed as a limitation upon the application of other laws which establish different standards of compliance or upon the application of requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

## Minimum Wages

1. All mechanics and laborers, employed or working directly upon the site of the work shall be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by the Copeland Regulations (29 CFR Part 3)), the full amounts due at time of payment computed at wage rates not less than the aggregate of the basic hourly rates and the rates of payments, contributions, or costs for any fringe benefits contained in the wage determination decision of the Secretary of Labor, which is attached hereto and made a part hereof, regardless of any contractual relationships which may be alleged to exist between the Contractor or Subcontractor and such laborers and mechanics and the wage decision shall be posted by the Contractor at the site of the work in a prominent place where it can easily be seen by the workers.
2. The Owner shall require that any class of laborers or mechanics, including apprentices and trainees, which is not listed in the wage determination and which is to be employed under the contract shall be classified or reclassified conformably to the wage determination and a report of the action taken shall be sent to the Department of Health, Education, and Welfare. If the interested parties cannot agree on the proper classification or reclassification of a particular class of laborers or mechanics, including apprentices and trainees to be used, the Owner shall submit the question together with his recommendation through the Department of Health, Education, and Welfare to the Secretary of Labor for final determination.
3. The Owner shall require, whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly wage rate and the Contractor is obliged to pay a cash equivalent of such a fringe benefit, an hourly cash equivalent thereof to be established. In the event interested parties cannot agree upon a cash equivalent of the fringe benefit, the question, accompanied by the recommendation of the Owner shall be referred to the Secretary of Labor for determination.

4. If the Contractor does not make payments to a trustee or other third person, he may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing benefits under a plan or program of a type expressly listed in the wage determination decision of the Secretary of Labor which is a part of this contract: Provided, however, the Secretary of Labor has found, upon the written request of the Contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the Contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

F. Payrolls and Basic Records

1. The Contractor shall maintain payrolls and basic records relating thereto during the course of the work and shall preserve them for a period of three years thereafter for all laborers and mechanics, including apprentices and trainees, working at the site of the work. Such records shall contain the name and address of each employee, his correct classification, rate of pay (including rates of contribution for, or costs assumed to provide, fringe benefits), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Contractor has obtained approval from the Secretary of Labor as provided in paragraph E.4, the Contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits.
2. The Contractor shall submit weekly a copy of all payrolls to the Owner. The prime contractor shall be responsible for the submission of copies of payrolls of all Subcontractors. Each such copy shall be accompanied by a statement signed by the Contractor indicating that the payrolls are correct and complete, that the wage rates contained therein are not less than those determined by the Secretary of Labor, and that the classification set forth for

each laborer or mechanic, including apprentices and trainees, conform to the work he performed. Submission of the "Weekly Statement of Compliance" required under this contract and the Copeland Regulations of the Secretary of Labor (29 CFR Part 3) shall satisfy the requirement for submission of the above statement. The Contractor shall submit also a copy of any approval by the Secretary of Labor with respect to fringe benefits which is required by paragraph E-4.

3. Contractors employing apprentices or trainees under approved programs shall include a notation on the first weekly certified payrolls submitted to the Owner that their employment is pursuant to an approved program and shall identify the program.
4. The Contractor will make the records required under the labor standards clauses of the contract available for inspection by authorized representatives of the Owner, U.S. Department of Health, Education, and Welfare, and the U.S. Department of Labor, and shall permit such representatives to interview employees during working hours on the job.

#### Apprentices and Trainees

1. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Manpower Administration, Bureau of Apprenticeship and Training, or with a State Apprenticeship Agency recognized by the Bureau, or if a person is employed in his first 90 days of probationary employment as an apprenticeship in such an apprenticeship program who is not individually registered in the program but who has been certified by the Bureau of Apprenticeship and Training or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen in any craft classification shall not be greater than the ratio permitted to the Contractor as to his entire work force under the registered program. Any employee listed on a

payroll at an apprentice wage rate, who is not a trainee as defined in subparagraph 2 of this paragraph or is not registered or otherwise employed as stated above, shall be paid the wage rate determined by the Secretary of Labor for the classification of work he actually performed. The Contractor will be required to furnish to the Owner or a representative of the U.S. Department of Labor written evidence of the registration of his program and apprentices as well as the appropriate ratios and wage rates (expressed in percentages of the journeyman hourly rates), for the area of construction prior to using any apprentices on the contract work. The wage rate paid apprentices shall be not less than the appropriate percentage of the journeyman's rate contained in the applicable wage determination.

## 2. Trainees

Trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval evidenced by formal certification, by the U.S. Department of Labor, Manpower Administration, Bureau of Apprenticeship and Training. The ratio of trainees to journeymen shall not be greater than permitted under the plan approved by the Bureau of Apprenticeship and Training. Every trainee must be paid not less than the rate specified in the approved program for his level of progress. Any employee listed in the payroll at a trainee rate who is not registered and participating in a training plan approved by the Bureau of Apprenticeship and Training shall be paid not less than the wage rate determined by the Secretary of Labor for the classification of work he actually performed. The Contractor will be required to furnish the Owner or a representative of the U.S. Department of Labor written evidence of the certification of his program, the registration of the trainees, and the ratios and wage rates prescribed in that program. In the event the Bureau of Apprenticeship and Training withdraws approval of a training program, the Contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

### 3: Equal Employment Opportunity

The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.

#### Compliance with Copeland Regulations

1. The Contractor shall comply with the Copeland Regulations of the Secretary of Labor (29 CFR Part 3) which are incorporated herein by reference. In addition, the Weekly Statement of Compliance required by these regulations shall also contain a statement that the fringe benefits paid are equal to or greater than those set forth in the minimum wage decision.

#### Contract Work Hours and Safety Standards Act - Overtime Compensation and Safety Standards (40 U.S.C. 327-330)

1. The Contractor shall not require or permit any laborer or mechanic, including apprentices and trainees, in any workweek in which he is employed on any work under this contract to work in excess of 8 hours in any calendar day or in excess of 40 hours in such workweek on work subject to the provisions of the Contract Work Hours and Safety Standards Act unless such laborer or mechanic, including apprentices and trainees, receives compensation at a rate not less than one and one-half times his basic rate of pay for all such hours worked in excess of 8 hours in any calendar day or in excess of 40 hours in such workweek, whichever is the greater number of overtime hours. The "basic rate of pay" as used in this provision shall be the amount paid per hour, exclusive of the Contractor's contribution or cost for fringe benefits, and any cash payment made in lieu of providing fringe benefits, or the basic hourly rate contained in the wage determination, whichever is greater.
2. In the event of any violation of the provisions of paragraph I.1, the Contractor shall be liable to any affected employee for any amounts due and to the United States for liquidated damages. Such liquidated damages shall be computed with respect

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Exclude from construction contracts on projects insured under FHA/HUD Section 242 of the National Housing Act.

to each individual laborer or mechanic, including apprentices and trainees, employed in violation of the provisions of paragraph I.1, in the sum of \$10 for each calendar day on which such employee was required or permitted to be employed on such work in excess of 8 hours or in excess of the standard workweek of 40 hours without payment of the overtime wages required by paragraph I.1.

3. The Contractor shall not require or permit any laborer or mechanic, including apprentices and trainees, employed in the performance of this contract to work in surroundings or under conditions which are unsanitary, hazardous, or dangerous to his health as determined under construction safety and health standards promulgated by the Secretary of Labor by regulation (29 CFR Part 1926, 36 FR 7340, April 17, 1971) pursuant to Section 107 of the Contract Work Hours and Safety Standards Act.

J. Withholding of Funds

1. The Owner may withhold or cause to be withheld from the Contractor as much of the accrued payments or advances as may be considered necessary (a) to pay the laborers and mechanics, including apprentices and trainees, employed by the Contractor or any Subcontractor on the work the full amount of wages required by the contract, and (b) to satisfy any liability of any Contractor for liquidated damages under paragraph I hereof entitled "Contract Work Hours and Safety Standards Act - Overtime Compensation and Safety Standards (40 U.S.C. 327-330)."
2. If the Contractor or any Subcontractor fails to pay any laborer or mechanic, including apprentices and trainees, employed or working on the site of the work, all or part of the wages required by the contract, the Owner may after written notice to the prime contractor take such action as may be necessary to cause suspension of any further payments or advances until such violations have ceased.

K. Subcontracts

1. The Contractor will insert in all subcontracts, paragraphs E through L inclusive, entitled:



"Minimum Wages," "Payrolls and Basic Records," "Apprentices and Trainees," "Compliance with Copeland Regulations," "Contract Work Hours and Safety Standards Act - Overtime Compensation and Safety Standards (40 U.S.C. 327-330)," "Withholding of Funds," "Subcontracts," and "Contract Termination -- Debarment," and shall further require all Subcontractors to incorporate physically these same paragraphs in all subcontracts.

2. The term "Contractor" as used in such paragraphs in any subcontract shall be deemed to refer to the Subcontractor except when the phrase "Prime Contractor" is used.

#### Contract Termination - Debarment

1. A breach of paragraphs E through K inclusive, respectively entitled "Minimum Wages," "Payrolls and Basic Records," "Apprentices and Trainees," "Compliance with Copeland Regulations," "Contract Work Hours and Safety Standards (40 U.S.C. 327-330)," "Withholding of Funds," "Subcontracts" may be grounds for termination of the contract and for debarment as provided in 29 CFR 5.6.

SUPERVISOR'S DECISION

COUNTIES: See Below  
 DATE: Date of Publication  
 REGISTRATION NUMBER: WA 9-2021  
 Expedited Decision No. M378-1073, dated September 21, 1978 in 43 FR 45130  
 DESCRIPTION OF WORK: Building (including Residential), Construction Projects

COUNTIES: Anoka, Carver, Hennepin, Scott, Dakota, Ramsey & Washington

	Basic Hourly Rates	Fringe Benefits Payments				Education and/or Appr. Tr.
		H & W	Pensions	Vacation		
ASBESTOS WORKERS	\$11.13	.70	.65		.02	
BOILERMAKERS	12.30	.85	1.00		.02	
BRICKLAYERS & STONEMASONS	11.51	.655	.53	.56		
CARPENTERS: Building	11.70	.42				
S.W. Portion of Scott Co. Remainder of Cos. & Scott Co. Carpenters, Millwrights & Fitters/Drivers	11.06	.55+.15	.55	.55	.02	
Soft Floor Layers	10.73	.71	.64	.60	.02	
Site Preparation, Excavation & Incidental Paving	10.13	.60	.60			
ELECTRICIANS: Building Hennepin & Scott Cos. & Typs. of Anoka & Fridley in Anoka County Contracts over \$50,000 Contracts less than \$50,000 Remainder of Anoka County & Remaining Counties Residential Carver, Hennepin & Scott Cos; Typs. of Anoka, Fridley, Crow & Ramsey in Anoka County; Construction of all new family dwellings up to & including 4-piers; and to all res- idential remodeling, rewiring & repairing in apartment buildings up to & including a 400 square service. This is limited to 3 floor occupied as living quarters floors, & non-elevator apartment buildings.	11.35 9.20 11.85	.71 .71 5 1/42	.62 .62 5 7/82	10.42 10.42 11.42	1 3/42 1 3/42 3/82	
CEMENT MASONS: Building Site Preparation, Excavation & Incidental Paving	7.13 11.63 10.13	.40 .60 .60	.31 .60 .60	.27	.12	

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SUPERVISOR'S DECISION

COUNTIES: In Area, LARSON, QUINCY  
 DATE: Date of Publication  
 REGISTRATION NUMBER: WA 9-2021  
 Expedited Decision No. M378-1073, dated March 23, 1979 in 44 FR 17695  
 DESCRIPTION OF WORK: Residential Construction Projects consisting of family  
 single units and garden type apartments up to and including 4 stories

	Basic Hourly Rates	Fringe Benefits Payments				Education and/or Appr. Tr.
		H & W	Pensions	Vacation		
BRICKLAYERS/BLOCKLAYERS	\$ 8.64					
CARPENTERS	7.51					
CEMENT MASONS/FINISHERS	8.78					
DRYWALL WORKERS: Painters/Finishers	8.00 8.94					
ELECTRICIANS	8.47					
LABORERS: Common Landscaps	5.79 3.00					
PAINTERS	6.64					
PLUMBERS/WATERFIITERS	8.49					
ROOFERS	8.00					
SOFT FLOOR LAYERS/CARPET LAYERS	7.39					
SHEET METAL WORKERS	6.10					
TRUCK DRIVERS	7.36					
POWER EQUIPMENT OPERATORS: Bulldozer Operators Backhoe Operators Crane Operators Grader Paver Roller Operators	9.94 9.55 9.82 9.82 9.82 9.82 9.82	90 90 90	1.25 1.25 1.25	116 116 116	.05 .05 .05	

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ELECTRICIANS (CONT'D)

Dakota, Ramsey, Washington Cos. & Remainder of Anoka Co.: Construction of all new family dwellings up to & including 4-plexes, townhouses of 4 or less contiguous units; and to all residential remodeling, rewiring & repairing except that any single apartment project including a change of main service entrance shall not exceed 8 living units or 400 amps.

ELEVATOR CONSTRUCTORS:

Constructors  
Helpers  
Helpers (Prob.)

IRONWORKERS

LATHERS:

Anoka, Carver & Hennepin Cos.  
Washington, Dakota & Ramsey Cos.

MARBLE SETTERS

MARBLE FINISHERS

TERRAZZO WORKERS

TILE SETTERS

TILE FINISHERS

PAINTERS:

Dakota, Ramsey & Washington Cos.

Brush & Dry-wall Finisher  
Structural Steel & Spray

Remaining Counties:

Brush & Roller  
Structural Steel & Spray

PLASTERERS:

Dakota, Ramsey & Washington Cos.

Remaining Counties

GLAZIERS

Basic Hourly Rates	Fringe Benefits Payments			
	M & W	Pensions	Vacation	Education and/or Appr. Tr.
8.00	.50	.32	.51	3/4 of 1%
11.31	.745	.35	.4	.02
704JR	.745	.35	.4	.02
501JR				
12.40	.75	.70		.04
10.99	.50	.65		.01
11.69		.50	.70	.01
11.555	.655	.53		
9.35	.37	.50		
12.02	.64	.25		
11.50	.62	.50		
10.65	.62	.50		
10.84	.55	.25		.12
11.44	.55	.25		.12
10.76	.55	.30		.11
11.36	.55	.30		.11
10.00	.70	.25	.65	.01
9.50	.45	.70		.01
10.50	.45	.50	.35	.01

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PLUMBERS:

Plumbers, Steamfitters & Pipefitters:

Dakota, Ramsey & Washington Cos.

Plumbers & Steamfitters & P/F

Remaining Counties:

Plumbers  
Steamfitter & Pipefitters

ROOFERS

SHEET METAL WORKERS:

Dakota, Ramsey & Washington Cos.

Remaining Counties

SPRINKLER FITTERS

Welders - receive rate prescribed for craft performing operation to which welding is incidental.

Basic Hourly Rates	Fringe Benefits Payments			
	M & W	Pensions	Vacation	Education and/or Appr. Tr.
\$10.92	.53	.50	1.52	.06
11.09	.53	.50	1.35	.05
11.14	.54	.50	1.25	.05
11.75	.85	.35		.03
12.66	.79	.90		.06
13.02	.52	.21		.06
12.03	.75	1.05		.02

PAID HOLIDAYS:

A-New Year's Day; B-Memorial Day; C-Independence Day; D-Labor Day;  
E-Thanksgiving Day; F-Christmas Day; G-Day After Thanksgiving

FOOTNOTES:

a. Employer contributes 2% Basic Hourly Rate for over 5 years service, 1% Basic Hourly Rate for under 5 years as Vacation Pay; 7 Paid Holidays A through G

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MIMM-27-LAB-1

LABORERS:  
BUILDING CONSTRUCTION

Basic Hourly Rates	Fringe Benefits Payments			
	H & W	Pensions	Vacation	Education and or Appr. Tr.
\$ 9.40	.60	.45	.40	
9.45	.60	.45	.40	
9.50	.60	.45	.40	
9.55	.60	.45	.40	
9.65	.60	.45	.40	
9.70	.60	.45	.40	
9.75	.60	.45	.40	
9.80	.60	.45	.40	
10.105	.60	.45	.40	

- CLASS 1 - Common Laborer, Steel hoist handler (erection); Power Buggy Operator, Carpenter Tender, Earth Dumpman, Flagman
- CLASS 2 - Reinforced Steel Handler
- CLASS 3 - Men handling cement 2 hours per day (Bulk or Back, excluding Mortar Mixer; Mason Tender; Concrete Joint Saw Operator, Demolition & Wrecking Laborer
- CLASS 4 - Hot tar caulker & corker; Laborers on swing stage scaffold (excl. "patent" scaffolding); Automatic Tamper Operator; chipping Hammer Setter & Driver on Heavy Building, Excavation, Jackhammer Men
- CLASS 5 - Underground Work
- CLASS 6 - Pipelayer
- CLASS 7 - Caisson Work, Underpinning
- CLASS 8 - Hoziemen
- CLASS 9 - Dynamite Men, Power for Blasting purposes

DECISION NO. MN79-2021

SITE PREPARATION, EXCAVATION & INCIDENTAL PAVING

LADN79-5

- CLASS 1
- CLASS 2
- CLASS 3
- CLASS 4
- CLASS 5
- CLASS 6
- CLASS 7
- CLASS 8
- CLASS 9
- CLASS 10
- CLASS 11

MIMM-9-LAB

Basic Hourly Rates	Fringe Benefits Payments			
	H & W	Pensions	Vacation	Education and or Appr. Tr.
\$ 9.35	.60	.45	.40	
9.45	.60	.45	.40	
9.50	.60	.45	.40	
9.60	.60	.45	.40	
9.65	.60	.45	.40	
9.70	.60	.45	.40	
9.75	.60	.45	.40	
9.78	.60	.45	.40	
9.80	.60	.45	.40	
9.98	.60	.45	.40	
10.03	.60	.45	.40	

- CLASS 1 Unskilled Laborer, Drill Runner Helper, Landscape Gardener, Sod Layer & Nurseryman, Powder Monkey, Rein. Steel Lab., Rein. Steel Setter Salamander Beater & Blower Tender Carpenter Tender; Winch Handler
- CLASS 2 Laborer, wrecking & Demolition; Bit. Batchermen (Stationary Plant); Bricklayer Tender; Cement Handler; Cement Coverman (Batch trucks); Compaction Equip. Shoveler, batchermen Conc., Conc. Vibrator Tamper & Puddler (Paving) Conc. Longitudinal Floatmen; Conduit Layer (w.o. wiring); Chipping Hammer, Sub Setter (Stone or Precast Conc.) Kettleman (BIT. or lead); Service connection maker; Power Buggy; Joint Saver; Squeeze man ( Bit. Brick or Block); Stabilizing batchermen (Stationary Plant); Stonemasons tender; Drill Runner (Heavy, including Churn Drill)
- CLASS 3 Chainsaw Man, Conc. Mixer (1 bag); Jackhammer Man & Paving Buster; Mortar Mixer' Pipe Handler; Pipe Derrickman (Triped, manual)
- CLASS 4 Bottom Man (Sewer, Water or Gas trench, more than 8' below starting level of manual work); Tunnel Laborer (Atmospheric pressure) Underpinning Work, Caisson Work, Oher work more than 8' below level of manual work Open ditch Work

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## LABORERS: (CONT'D)

CLASS 5 - Bituminous Taper; Pipelayers; Sand Cushion & Bedmaker  
 CLASS 6 - Cement Gun (1 1/2 & over); Leadman  
 CLASS 7 - Nozzlemen (Gunite)  
 CLASS 8 - Brick or Block Paving Setter  
 CLASS 9 - Bituminous Raker, Floater & Utility Man  
 CLASS 10 - Tunnel Man (Air pressure); Tunnel Miner  
 CLASS 11 - Powderman

## MINN-62-TD

TRUCK DRIVERS:  
 BUILDING, SITE PREPARATION,  
 EXCAVATION & INCIDENTAL  
 PAVING

Basic Hourly Rates	Fringe Benefits Payments			
	H & W	Pensions	Vacation	Education and/or Appr. Tr.
9.20	.40	.50		
8.90	.40	.50		
8.80	.40	.50		
8.60	.40	.50		

GROUP 1 - Driver (hauling machinery for employer's own use, including operation of hand & power operated winches); Truck train Mechanic, Welder; Tractor-Trailer; Off-Road Truck

GROUP 2 - Tri-axle (including 4-Axles); Dump Dry Batch Hauler; Tank Truck (Gas, Oil, Road Oil & Water); Boom & "A" Frame; Ready Mix Concrete; Slurry Driver.

GROUP 3 - Bituminous Distributor; Bituminous Distributor (1-Man Operation); Tandem Axle.

GROUP 4 - Bituminous Distributor Spray (rear-end roller); Dumpman; Greaser & truck Servicemen; Tank Truck Helper (Gas, Oil, Road Oil & Water) Teamster and Stableman. Tractor Operator (Wheel Type used for any purpose) Pilot car driver, self-propelled Packer; Slurry Operator; Single Axle Trucks.

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## MINN-1-PEO-1

POWER EQUIPMENT OPERATORS:  
 Building Construction

Basic Hourly Rates	Fringe Benefits Payments			
	H & W	Pensions	Vacation	Education and/or Appr. Tr.
CLASS 1	15.10	.70	.55	.05
CLASS 2	13.45	.70	.55	.05
CLASS 3	13.20	.70	.55	.05
CLASS 4	12.60	.70	.55	.05
CLASS 5	12.25	.70	.55	.05
CLASS 6	12.15	.70	.55	.05
CLASS 7	11.90	.70	.55	.05
CLASS 8	11.78	.70	.55	.05
CLASS 9	11.70	.70	.55	.05
CLASS 10	11.43	.70	.55	.05
CLASS 11	10.75	.70	.55	.05
CLASS 12	10.30	.70	.55	.05

CLASS 1 - Helicopter Operator  
 CLASS 2 - Truck & Crawler Cranes with 300' of Boom and over, including jib  
 CLASS 3 - Truck & Crawler Cranes w/200' of Boom, up to and not including 300' of Boom, including jib  
 CLASS 4 - Truck & Crawler Cranes with 150' of Boom, up to and not including 200' of Boom, including jib  
 CLASS 5 - Traveling Tower Crane  
 CLASS 6 - Master Mechanic; Pile Driving Operator  
 CLASS 7 - Truck & Crawler Cranes up to 150' of Boom, including jib; Derrick (Guy & Stiffleg); Hoist Engineer (3 drums or more); Locomotive Operator; Overhead Crane Operator (Inside Building Perimeter); Tower Cranes - Stationary Tractor Operator with Boom; All Terrain Vehicle Cranes; Fireman, Chief License  
 CLASS 8 - Air Compressor Operator, 375 CFM or over; Pump Operator and/or Conveyor Opr., (2 or more machines); Hoist Engineer (two drum); Mechanic or Welder; Pumperete or Complaco-type Machine Operator; Forklift  
 CLASS 9 - Boom Truck Operator; Concrete Mixer Operator; Drill Pipe - Heavy Rotary or Churn when used for casing drilling for Elevator Cylinder or Building Construction; Front End loader Operator; Hoist Engineer (one drum); Straddle Carrier Operator; Power Plant Engineer (100 KW and over on multiples equal to 100 KW and over); Tractor Operator over D2; Well Point Pump Operator  
 CLASS 10 - Concrete Batch Plant Operator; Fireman, First Class License; Gunite Operator; Tractor Operator D-2 or similar size; Front End loader Operator, up to 1 cu. yd.  
 CLASS 11 - Air Compressor Opr., 375 CFM or over; Pump and/or Conveyor Opr.; Fireman, Temporary Heat; Brakeman; Pick-up Sweeper (1 cu. yd. and over hopper capacity); Truck Crane Oiler; Welding Machine Opr. (see Schedule 16 on Air Comp., Pumps, Conveyors, Welding Mach.  
 CLASS 12 - Mechanical Space Heater (Temporary Heat); Oiler or Greaser; Elevator Operator

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REGISTRATION NO. 1924-1001

POWER EQUIPMENT OPERATORS: (CONT'D)

SITE PREPARATION, EXCAVATION & INCIDENTAL PAVING

MINI-TRENCHING

POWER EQUIPMENT OPERATORS:

Basic Hourly Rates	Fringe Benefits Payments			
	M & W	Pensions	Vacation	Education and/or Appr. Tr.
GROUP 1	\$15.30	.70	.55	.05
GROUP 2	12.91	.70	.55	.05
GROUP 3	11.65	.70	.55	.05
GROUP 4	11.52	.70	.55	.05
GROUP 5	11.43	.70	.55	.05
GROUP 6	10.55	.70	.55	.05
GROUP 7	10.05	.70	.55	.05

- GROUP 1 - Helicopter Pilot
- GROUP 2 - Crane with over 135' boom, excluding jib, Dragline and/or other similar equipment w/shovel type controls 3 cu. yds. & over Mfg. rates capacity
- GROUP 3 - Cableway Op., concrete Mixer, Stationary Plant over 34E, Derrick, Dragline and/or similar equipment with shovel type control up to 3 cu. yds. Mfg. rates capacity, Dredge Operator or Engineer, dredge Oper. (power) & Ydr. & over, Grader or Motor Patrol Finishing earth & bituminous, Locomotive crane Operator, Master Mechanic, Mixer (paving) Concrete Paving Op., Road Mole. Op., incl. power supply, Mucking Mach., incl. mucking operations Conveyor or similar type, Refrigeration Plant Engineer, Tandem Scraper, Tractor Op. (Boom Type), Truck Crane Op., Turboat Op. 100 HP & over
- GROUP 4 - Dual Tractor Op., Elevating Grader Op., Pumpcrete Op., Scraper Op., Struck Capacity 32 cu. yds. & over, Self-Propelled, Traveling Soil Stabilizer
- GROUP 5 - Air track Rock Drill; Asphalt Bituminous Stabilizer Plant Op., Crushing Plant Op., or Gravel Washing, Crushing and Screening Plant Op., Dope Machine Op., Drill Rigs, Heavy Rotary or Churn or Cable Drill, Engineer in charge of Plant requiring First Class License, fork Lift or Lumber Stacker, Front End Loader Op., Loader Op., over 1 cu. yds., Hoist Engineer, Hydraulic Tree Planter, Launchermen, Locomotive, all types, Mechanic or welder, Multiple machines, such as air compressors, welding machines, generators, pumps or crane cilers, paving breaker or tamping machines op., (power-driven - Mighty might or similar type, Pick-up sweeper, 1 cu. yd. & over Hopper capacity, Pipeline wrapping, cleaning or bending machine Op. Power Plant Engineer, Power actuated horizontal boring mach., over 6" op., pugmill op., roller, 8 tons & over, Rubber tired farm tractor, backhoe att., sheep foot op., tie tamper & ballast mach. Op., Tractor op., over D2, TD6 or similar HP with power take-off, tractor Op., over 50 HP without power take-off, trenching machine Op., (sewer, water, gas) turnpull op., (or similar type) well point installation, disassembling or repair mechanic

- GROUP 6 - Air compressor Op. 375 CFM or over, bituminous spreader and bituminous finishing machine op., Concrete dist. & Spreader op., finishing machine longitudinal float op., joint mach. op., spray., concrete mixer op. 145 and under, concrete op. (Mult. Blade), curb mach. op., Fine grade Op., form trench digger, front end loader op. (up to & incl. 1 cu. yd.), grader op. (motor patrol), gunite op. gunall, lead grader on truck or rack, loader op., power actuated Augers and boring mach. op. power actuated jacks op., pump op., roller op., self-propelled chip Spreader, shouldering mach. Op., stump chipper op., tractor op. (D2, TD6 or similar HP with power take-off)
- GROUP 7 - Brakeman, switchman, conveyor op., deckhand, Fireman, Tank Car Heater op., Gravel screening plant op., greaser leverman, mech. helper, mech. space heater, oiler, self-prop. vib. packer op., sheep foot roller, tractor op. 50 HP or less w/o power take-off, truck crane oiler

5/6

MODIFICATIONS P. 3

DECISION NO. MN79-2021 - MOD #1  
(44 FR 26481 - May 4, 1979)  
Anoka, Carver, Hennepin,  
Scott, Dakota, Ramsey &  
Washington Counties, Minnesota

CHANGE:

**BRICKLAYERS & STONEMASONS**  
**ELECTRICIANS:**  
Residential  
Carver, Hennepin & Scott Cos;  
Twp. of Anoka, Fridley, Crow  
& Ramsey in Anoka County:  
Construction of all new  
family dwellings up to &  
including 4-plexes; and to  
all residential remodeling,  
rewiring & repairing in  
apartment buildings up to  
& including a 400 ampere  
service. This is limited  
to 3 floor occupied as  
living quarters floors &  
non-elevator apartment  
buildings  
Dakota, Ramsey, Washington  
Cos; & Remainder of Anoka  
Co:  
Construction of all new  
family dwellings up to &  
including 4-plexes, town-  
houses of 4 or less  
contiguous units; and to  
all residential remodel-  
ing, rewiring & repairing  
except that any single  
apartment project includ-  
ing a change of main ser-  
vice entrance shall not  
exceed 8 living units or  
400 amps.  
**IRONWORKERS**  
**PAINTERS:**  
Remaining Counties:  
Brush & Roller  
Structural Steel & Spray

Scale Hourly Prior	Fringe Benefits Payments			
	H & W	Pensions	Vacation	Education and/or Appr. Tr.
\$11.16	.655	.73	.70	
8.50	.48	.32	.37	.12
8.50	.50	.32	.52	3/4 of 12
12.20	.85	.80		.04
11.31	.65	.40		.11
11.91	.65	.40		.11

MODIFICATIONS P. 4

DECISION NO. MN79-2021 - MOD #1 (Cont'd)

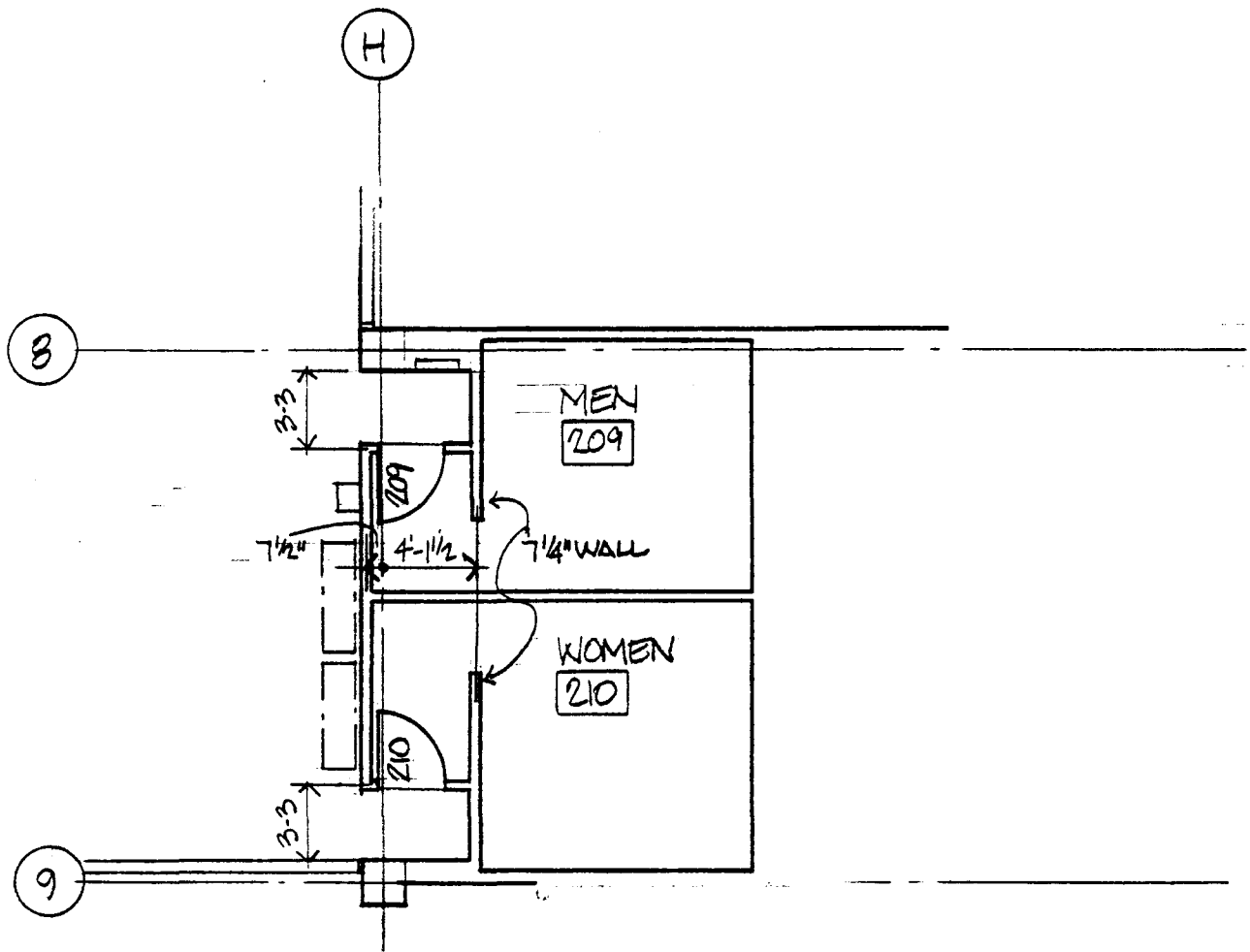
Basic Hourly Rates	Fringe Benefits Payments			
	H & W	Pensions	Vacation	Education and/or Appr. Tr.
\$11.30	.45	.50	.35	.01
11.77	.53	.50	1.52	.06
11.94	.53	.50	1.35	.05
11.94	.54	.50	1.25	.05
\$11.45				
10.00	.72	.62	10%	3/4 of 12
12.15	.72	.62	10%	3/4 of 12
11.39	.66	.32	.62	.252
9.11	.66	.32	.62	.252
12.20	.85	.80		.04

DECISION NO. MN79-2022 - MOD #1  
(44 FR 26468 - May 4, 1979)  
Blue Earth, Fairbault,  
Freeborn & Mower Counties,  
Minnesota

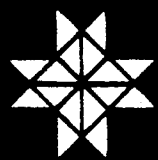
CHANGE:

**CEMENT MASONS & PLASTERERS:**  
Building: Blue Earth County  
Cement Masons  
**ELECTRICIANS:**  
Blue Earth & Fairbault Cos;  
Jobs outside the Mankato  
City area less than \$50,000  
Jobs within a 5 mile radius  
of Mankato \$50,000 & over  
Freeborn & Mower Counties;  
\$75,000 or more  
\$75,000 or less & Residential  
**IRONWORKERS**

6866



RELOCATION OF  
DOORS 209 & 210



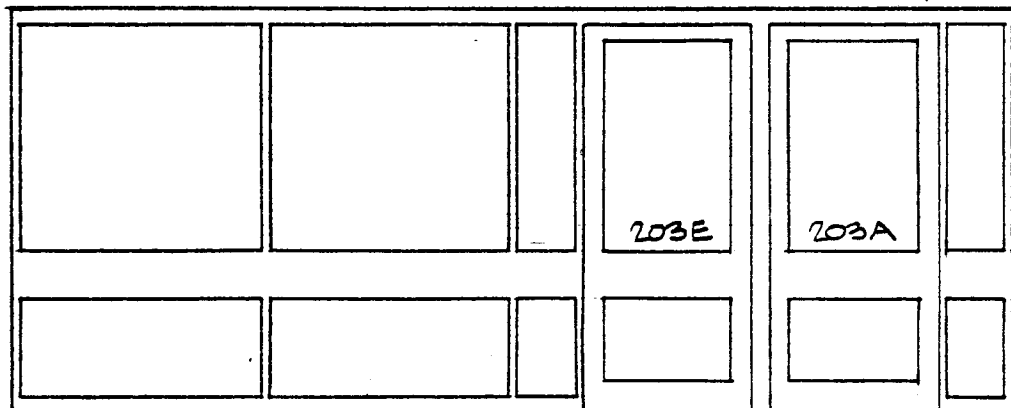
**UNIVERSITY OF MINNESOTA  
HEALTH SCIENCES EXPANSION**  
THE ARCHITECTS COLLABORATIVE, INC. CAMBRIDGE, MASS. &  
THE HEALTH SCIENCES ARCHITECTS & ENGINEERS, INC.

JOB NO 320.02  
DRAWN MP  
CHECK MP  
SCALE 1/8" = 1'-0"  
DATE 15 APR 80

UNIT B/C  
PHASE I-A  
DIEHL HALL

SHEET NO  
APPENDIX  
A  
SHEET 1





$1\frac{1}{2}$ "  $5-0\frac{5}{16}$ "  $1\frac{1}{2}$ "  $5-0\frac{5}{16}$ "  $1\frac{1}{2}$ "  $1-3\frac{1}{16}$ "  $1\frac{1}{2}$ " 3-6" 5" 3-6"  $1\frac{1}{2}$ "  $1-3\frac{1}{16}$ "  $1\frac{1}{2}$ "  
 20-8 $\frac{3}{4}$ " (VERIFY)

5" MULLION BETWEEN  
DOORS 203E AND 203A



UNIVERSITY OF MINNESOTA  
HEALTH SCIENCES EXPANSION

THE ARCHITECTS COLLABORATIVE, INC. CAMBRIDGE, MASS. &  
THE HEALTH SCIENCES ARCHITECTS & ENGINEERS, INC.

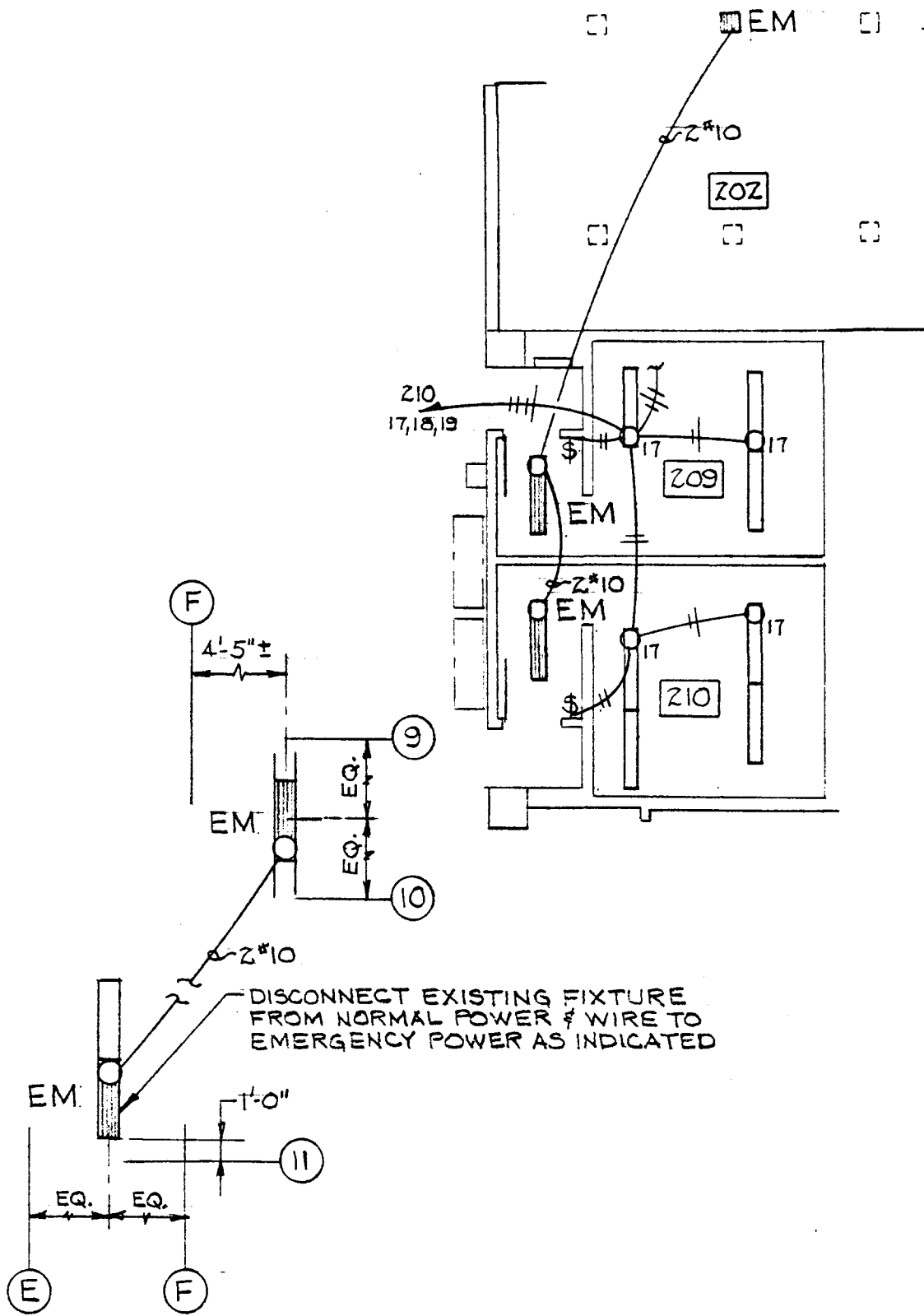
JOB NO 320.02  
 DRAWN MP  
 CHECK MP  
 SCALE  $\frac{1}{4}" = 1'-0"$   
 DATE 16 APR 80

UNIT B/C  
 PHASE I-A  
 DIEHL HALL

SHEET NO  
 APPENDIX  
 A  
 SHEET 2

J

F7



DISCONNECT EXISTING FIXTURE FROM NORMAL POWER & WIRE TO EMERGENCY POWER AS INDICATED



**UNIVERSITY OF MINNESOTA  
HEALTH SCIENCES EXPANSION**

THE ARCHITECTS COLLABORATIVE, INC. CAMBRIDGE, MASS. &  
THE HEALTH SCIENCES ARCHITECTS & ENGINEERS, INC.

JOB NO	320.0Z
DRAWN	DNA
CHECK	JB
SCALE	1/8"=1'-0"
DATE	17 APR 80

UNIT B/C PHASE I-A  
DIEHL HALL  
LIGHTING REVISION

SHEET NO

3

OF 3



UNIVERSITY OF MINNESOTA  
TWIN CITIES

Health Sciences Planning Office  
Physical Planning  
4103 Powell Hall, Box 75  
500 Essex Street S.E.  
Minneapolis, Minnesota 55455  
(612) 373-8981

April 15, 1980

TO: Glen Brudvig  
Bio Medical Library

FROM: Warren Forslund *Warren*  
Health Sciences Planning Office

SUBJECT: Health Sciences Expansion  
Unit B/C - Phase I-A Diehl Hall  
Learning Resources Center and Library  
Contract Documents Review

This project is out for bids at the present time. Bids will be received on April 29, 1980.

Please review the attached subject documents and return letter with comments on changes that should be incorporated by addendum in the Contract Documents by April 17, 1980. If you have no comments, so note in this letter.

This is a fast turn around but is necessitated by the minimum amount of time left to get out an addendum.

If for any reason comments can't be completed by this time, please notify this office.

WF:mg  
cc: Paul Maupin ✓

23 April 1980

Second Addendum to conditions, specifications, related documents and drawings entitled:

UNIT B/C PHASE 1-A DIEHL HALL  
LEARNING RESOURCE CENTER  
LIBRARY REMODELING PROJECT  
UNIVERSITY OF MINNESOTA  
HEALTH SCIENCES EXPANSION  
PROJECT NO.: MINN-HP-18

APR 24 1980

UNIV. OF MINN.  
HEALTH SCIENCES  
EXPANSION

THE ARCHITECTS COLLABORATIVE, INC.

Cambridge, Massachusetts

HEALTH SCIENCES ARCHITECTS & ENGINEERS, INC.  
University Park Plaza - Suite 704  
2829 University Avenue Southeast  
(612) 378-3833

Minneapolis, Minnesota  
55414

-----  
The additions, revisions, omissions, corrections and clarifications contained herein shall be made to drawings and specifications for the project and shall be included in the scope of work and proposals to be submitted. References made below to specifications and drawings shall be used as a general guide only. Bidders and Contractors shall determine for themselves the work affected by Addendum items.

SPECIFICATIONS - ALL CONSTRUCTION

1 - Section 01100 - Description of Alternates: (A) Article 2.1: Deduct Alternate No. 5.

(B) General Construction. Omit paragraph B. If deduct Alternate No. 5 is taken, rated access panels shall be used elsewhere, as needed, or turned over to the Owner.

SPECIFICATIONS - GENERAL CONSTRUCTION

2 - Section 09200 - Lath & Plaster: (A) Article 2.1M. Omit phrase "...in and around Rooms 209 and 210..."

3 - Acceptable Manufacturers: The below listed manufacturers of materials, equipment or systems are acceptable subject to final acceptance of the specific products as to satisfying all requirements of the Contract Documents. The cost of any changes in the work of all trades as a result of substitutions shall be borne by the Contractor making the substitutions.

<u>Specification Section</u>	<u>Item</u>	<u>Acceptable Manufacturer</u>
09200 2.5C	One coat Gypsum Veneer Plaster	Thoro System Products
09500 2.1	Accoustical Lay in Panels	U.S. Gypsum Auratone Pin Perforated Plastic Coated
10800 2.2-2.6	Toilet and Bath Accessories	American Dispenser Company Accessory Specialties, Inc.
10800 2.6	Grab Bars	Tubular Specialties Manufacturing Inc.

DRAWINGS - GENERAL CONSTRUCTION

4 - Sheet A2:

(A) Elevation 3A/A2. At door 204B, show glass lite on right side of door instead of left.

(B) Floor Plan. Door 204A should be shown swinging to west rather than to east. Hinge remains at south jamb.

(C) Room Finish Schedule. Note Number 5 should indicate that the new VAT that is necessary east of grids 11 and 12 is installed over existing concrete floor.

SPECIFICATIONS - MECHANICAL CONSTRUCTION

5 - Acceptable Manufacturers - Mechanical Contracts: The below listed manufacturers of materials, equipment or systems are acceptable subject to final acceptance of the specific products as to satisfying all requirements of the Contract Documents. The cost of any changes in the work of all trades as a result of substitutions shall be borne by the Contractor making the substitutions.

<u>Specification Reference</u>	<u>Item</u>	<u>Acceptable Manufacturer</u>
15130	Water hammer arrestors	J.R. Smith
15140	Pipe hangers	Michigan
15300	Fixture carriers	J.R. Smith
15650	Reheat coils	Bohn York
15800	Turning vanes	HEP
15800	Balancing dampers	Cesco



UNIVERSITY OF MINNESOTA  
TWIN CITIES

Health Sciences Planning Office  
Physical Planning  
4103 Powell Hall, Box 75  
500 Essex Street S.E.  
Minneapolis, Minnesota 55455  
(612) 373-8981

April 30, 1980

Mr. Richard Carlson  
Health Sciences Architects & Engineers, Inc.  
University Park Plaza - Suite 704  
2829 University Avenue S.E.  
Minneapolis, Minnesota 55414

Subject: Unit B/C - Phase IA  
Diehl Hall Learning Resources Center  
Library Remodeling Project

Dear Mr. Carlson:

Confirming our telephone conversation of today, please respond and give your justification in writing on why there was such a wide variance between your estimate and the bids received on the Diehl Hall Learning Resource/Library project.

Using a figure of \$388,000 (average of the six lowest bidders) for a real world price, the variance between this price and your estimate is 67% (\$262,000 divided by \$388,000). It is difficult to believe that hunger on the part of the bidders could account for this.

Variance of this magnitude reflects very unfavorably on your professional capabilities and adds great uncertainties to this offices' ability to perform its work of getting the most project for the budgeted dollars.

Obviously many things were taken out of the project's program much to the detriment of the project to meet your projected cost over runs. Therefore, we would like to reinstate some items into this project such as ceiling and lighting system as one example, which will cost considerably more at this time.

Please inform us as to the best method of proceeding and on what basis your charges will be made for this service.

Very truly yours,

Warren G. Forslund  
Asst. Health Sciences Planning Coordinator

cc: Paul J. Maupin  
Duane Blanchard

WF:jm

# HSAE

HEALTH SCIENCES ARCHITECTS AND ENGINEERS INC  
UNIVERSITY PARK PLAZA SUITE 704 2829 UNIVERSITY AVENUE S.E. MINNEAPOLIS, MINNESOTA 55414 (612) 378-3833

5 May 1980

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

MAY 7 1980  
UNIVERSITY OF MINN.  
HEALTH SCIENCES  
PLANNING OFFICE

RE: Unit B/C Phase I-A  
Diehl Hall Remodeling Project

Dear Mr. Maupin:

Reference is made to the letter from Warren Forsland dated 30 April 1980 in which he requested our justification of the variance between our estimate and the lower bid amounts received by the University on April 29th.

After the bid opening we had the opportunity of discussing the project with some of the bidders. Their consensus of opinion seemed to indicate current competition is getting tougher since the volume of work in the construction industry is tapering off. We were told some contractors have no work whatsoever and are bidding jobs low enough to "break even" in order to stay in business. This condition was further evidenced by the number of responsible bids received (twelve) and the apparent small range (\$7800.00±) of the lowest six bidders. The current building industry trend seems to have created a temporarily favorable Owner's market.

An important part of our professional service is the provision of estimated costs for the Owner's review during development of the project. Since this is a responsibility we take seriously, our office hired a professional cost estimator, Hodges Jage of Minnesota to provide continuous cost monitoring and key estimates during the various project phases. Since early in the development of the project your office constantly reminded us that the budgeted amount was absolute and could not be exceeded. We were, therefore, encouraged to design an "economical" project. Furthermore, we met in early November 1979 to reduce apparent costs since it seemed evident that the project was running over the budgeted amount.

After the bid opening we had the opportunity of comparison of our breakdown of estimated costs with those of one of the lower bidders. The two breakdowns were parallel in comparison with the exception of the "Contractors Direct and Indirect Expenses" or the "front-end" work. Our

Paul Maupin

5 May 1980

Page Two

estimate indicated approximately \$175,000.00 while the contractors indicated approximately \$40,000 for this work. In the preparation of his estimate our cost consultant perceived this component of the work as being much more difficult and costly to perform. He, therefore, allowed more cost due to the uncertainty of remodeling, the phased completion, and site accessibility aspects in his consideration. The contractors profit and overhead amounts were also anticipated to be higher than actually experienced. These factors were the components which accounted for the major cost differences of our estimate.

It may be of interest to note, however, that the five lowest bids were within a \$2900± range. This is a valid indication to us that the documents were clear, concise, and easily understood and enhances our confidence of abilities in the preparation of contract documents.

In the development of the documents the project program has remained substantially unchanged. Omission of major program items or reduction of project area has not occurred. The items which were omitted do not substantially affect the program since these relate mainly to the quality of finishes and the economical utilization of existing systems. Certain of the items omitted can easily be reinstated into the project by modification/change order.

The ceiling system currently includes new acoustic tile and new sprinklers while utilizing the existing grid, diffusers, and light fixtures. The existing light fixtures will be cleaned, relamped, relensed and thus appear to be new. With the development of this ceiling system we do not feel the program was compromised, but that good prudent cost consciousness was exercised. Certain other items which were omitted in our 1 November 1979 meeting may be more desirable for inclusion such as carpet of the stack area, the borrowed lights in the LRC/Library wall, the display case, computer terminal cubicals, etc.

Additionally, approximately \$5000.00 must be added for more sprinkler heads in the Library identified after the last addendum. Bob Hudalla is also studying the need for tying the Diehl Hall chillers to those in Unit B/C for increased chiller capacity.

Furthermore we were aware of budget restraints which impared procurement of additional study carrels, library shelving, and other group II equipment. The budget allotment for the remodeling of the adjacent library offices was also strained we understand. It would seem some of the excess could be applied to these areas.

We stand ready to assist your office in the development and prioritizing those items and features which may be desirable to include at this time



Paul Maupin  
5 May 1980  
Page Three

by modification/change order. We will dedicate our resources to further adjustment of the project scope as needed to be more consistent with your budget. In summary, however, we feel the project now is an effective economical design which will fulfill the users needs and expectations without any program compromise of significance.

Sincerely,

HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC.

A handwritten signature in black ink, appearing to read "Richard J. Carlson". The signature is written in a cursive, flowing style.

Richard J. Carlson

RJC:cac

cc: Duane Blanchard

# HSAE

HEALTH SCIENCES ARCHITECTS AND ENGINEERS INC  
UNIVERSITY PARK PLAZA SUITE 704 2829 UNIVERSITY AVENUE S.E. MINNEAPOLIS, MINNESOTA 55414 (612) 378-3833

7 May 1980

Mr. Victor E. Scott  
Federal Project Coordinator  
Dept. of Physical Planning  
University of Minnesota  
321 Morrill Hall  
Minneapolis, Minnesota 55455

RE: Unit B/C Phase I-A  
Diehl Hall Remodeling Project

Dear Mr. Scott:

The purpose of this letter is to advise that the Architect has sent to all known non-Federal interested parties complete sets of Unit B/C Phase I-A Diehl Hall Remodeling Project bid drawings and specifications for their review approval and files.

We trust that the above statement provides a satisfactory response for ROFEC. Please forward this information to ROFEC at your earliest convenience.

Sincerely,

HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC.



Richard J. Carlson

RJC:cac

cc: Paul Maupin

23 April 1980

Second Addendum to conditions, specifications, related documents and drawings entitled:

UNIT B/C PHASE I-A DIEHL HALL  
LEARNING RESOURCE CENTER  
LIBRARY REMODELING PROJECT  
UNIVERSITY OF MINNESOTA  
HEALTH SCIENCES EXPANSION  
PROJECT NO.: MINN-HP-18

UNIVERSITY OF MINNESOTA  
HEALTH SCIENCE  
PLANNING OFFICE

THE ARCHITECTS COLLABORATIVE, INC.

Cambridge, Massachusetts

HEALTH SCIENCES ARCHITECTS & ENGINEERS, INC.  
University Park Plaza - Suite 704  
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(612) 378-3833

Minneapolis, Minnesota  
55414

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15140	Pipe hangers	Michigan
15300	Fixture carriers	J.R. Smith
15650	Reheat coils	Bohn York
15800	Turning vanes	HEP
15800	Balancing dampers	Cesco

Department of Health, Education, and Welfare  
 Facilities Engineering and Construction Agency  
**HEALTH FACILITIES COST AND CONSTRUCTION DATA REPORT**

Date of Bid Opening \_\_\_\_\_

NAME, LOCATION, COUNTY AND PROJECT NUMBER	CATEGORY (Check those applicable)	TYPE OF CONSTRUCTION
	<input type="checkbox"/> 01 Hospital, General <input type="checkbox"/> 06 Com. Mental Health Center <input type="checkbox"/> 10 Dental Teaching Facilities (P.L. 88-129) <input type="checkbox"/> 02 Hospital, Chronic <input type="checkbox"/> 07 Rehabilitation <input type="checkbox"/> 11 Mental Retardation Facilities (P.L. 88-164) <input type="checkbox"/> 03 Hospital, Mental <input type="checkbox"/> 08 Out-Patient Facility <input type="checkbox"/> 12 Nurse Training Facilities (P.L. 88-581) <input type="checkbox"/> 04 Health Center <input type="checkbox"/> 09 Teaching Facilities (P.L. 88-129) <input type="checkbox"/> 13 _____ <input type="checkbox"/> 05 Nursing Home	<input type="checkbox"/> 1 NEW BUILDING <input type="checkbox"/> 2 EXTENSION <input type="checkbox"/> 3 ADDITIONAL STORIES <input checked="" type="checkbox"/> 4 MODERNIZATION <input type="checkbox"/> 5 REPAIR & ALTERATION

MAXIMUM PROJECTED STUDENT ENROLLMENT	NO. OF BEDS	GROSS FLOOR AREA		CONSTRUCTION & FIXED EQUIPMENT COST			PROJECT COST		
		TOTAL SQ. FT.	SQ. FT. PER BED	TOTAL	PER SQ. FT.	PER BED	TOTAL	PER SQ. FT.	PER BED
254	NA	27500	NA	\$	\$	\$ NA	\$	\$	\$ NA

COSTS	DESCRIPTIONS	CODE
General Construction \$ _____	<input checked="" type="checkbox"/> PROJECT HAS: <input type="checkbox"/> Full Basement; <input type="checkbox"/> Part Basement; <input type="checkbox"/> No Basement	NA
Mechanical Work _____	STORIES above basement or ground (number) _____	N.A.
Electrical Work _____	ELEVATORS (number) <u>2 EXISTING</u> DUMB WAITERS (number) _____	
Elevators _____	FOOTINGS & FOUNDATIONS: <input type="checkbox"/> Reinf. Conc.; <input type="checkbox"/> Piles _____	N.A.
Fixed Equipment (not in above) _____	FRAME: <input type="checkbox"/> Steel; <input type="checkbox"/> Reinf. Conc.; <input type="checkbox"/> Wall bearing _____	N.A.
Contingencies \$ _____	FLOORS: <input type="checkbox"/> Slab on Gr.; <input type="checkbox"/> Conc. Slab; <input type="checkbox"/> Conc. Joist; <input type="checkbox"/> Steel Joists _____	N.A.
TOTAL CONSTRUCTION & FIXED EQUIP. \$ _____	FLOOR FINISH: <input type="checkbox"/> Terrazzo; <input type="checkbox"/> Asph. Tile; <input type="checkbox"/> Rubber Tile; <input checked="" type="checkbox"/> Ceram. Tile; <input type="checkbox"/> Vinyl Tile; <input checked="" type="checkbox"/> Vinyl Asb.; <input checked="" type="checkbox"/> Carpet _____	
Movable Equipment _____	EXTERIOR WALLS: <input type="checkbox"/> Brick & Blk.; <input type="checkbox"/> Porcelain Enam. Panels; <input type="checkbox"/> Stuccoed Blk. _____	N.A.
Site Survey & Soil Investigation _____	PARTITIONS: <input type="checkbox"/> Conc. Blk.; <input type="checkbox"/> Gyp. Blk.; <input checked="" type="checkbox"/> Met. Stud; <input type="checkbox"/> Clay Tile; <input type="checkbox"/> Wood Stud. _____	
Architects Basic Fee _____	WALL FINISHES: <input checked="" type="checkbox"/> Plaster; <input checked="" type="checkbox"/> Ceram. Tile; <input type="checkbox"/> Vinyl Fab.; <input type="checkbox"/> Exposed Const. _____	
Architects on Site Representative _____	CEILING FINISHES: <input checked="" type="checkbox"/> Plaster; <input type="checkbox"/> Acoustical Pl.; <input checked="" type="checkbox"/> Acoustical Tile _____	
Health Center Site Cost _____	ROOF: <input type="checkbox"/> Flat; <input type="checkbox"/> Pitched; <input type="checkbox"/> B.U.; <input type="checkbox"/> Shingles; <input type="checkbox"/> Wood Dk.; <input type="checkbox"/> Conc.; <input type="checkbox"/> Met. Dk. _____	NA
Other (specify) _____	BOILER PLANT: <input checked="" type="checkbox"/> New <input type="checkbox"/> Existing; <input type="checkbox"/> IN SEPARATE BLDG. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No _____	
TOTAL PROJECT COST \$ _____	HEATING SYSTEM: <input type="checkbox"/> Water; <input checked="" type="checkbox"/> Steam; <input type="checkbox"/> Air; <input type="checkbox"/> Oil; <input type="checkbox"/> Gas; <input type="checkbox"/> Coal; <input type="checkbox"/> Electric _____	
REMARKS: Indicate unusual aspects of project, such as special services, large OPD, etc. See "Remarks" in Instructions.	HAS PROJECT A LAUNDRY: <input type="checkbox"/> Yes <input type="checkbox"/> No _____	N.A.
	AIR COND.: <input type="checkbox"/> None; <input type="checkbox"/> Completely; <input checked="" type="checkbox"/> In following areas only (Specify) _____	
	FLOOR 2 2 2 2	
	(Signature & Title)	

THE ARCHITECTS COLLABORATIVE, INC.  
HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC.

UNIVERSITY OF MINNESOTA  
HEALTH SCIENCES EXPANSION

MAY 12 1980  
UNIV. OF MINN.  
OFFICE

MEMO TO: B/C Phase I-A Diehl Hall  
MEMO BY: Michael Pederson  
DATE: 8 May 1980  
SUBJECT: Meeting to discuss apparent low bids

PRESENT: Paul Maupin, Warren Forslund, Glenn Brudvig, David Garloff,  
Mel Holland, Richard Carlson, Michael Pederson

The purpose of the meeting was to discuss the low bids and what additional items the user might want to include in the project. The meeting was under the direction of the planning office.

1. The apparent low bid was identified and it was pointed out that the items that were deleted in the D.D. stage were of a finish nature and were no detriment to the program itself.
2. It was noted that an additional \$5000 would be required for additional sprinklers identified as necessary after the last addendum was put out.
3. Richard Carlson explained what we felt were the reasons for the low bids. The over estimate of the "front-end" by Hodges-Jage, and the fact that many contractors need work.
4. The excess money from the Federal Grant cannot be used for Group II equipment. It may however be used for the lab spaces to be remodeled to the west.
5. It was generally agreed that a new ceiling system would be unnecessary. New lighting would need to meet the new energy code and would therefore be at a slightly lower lighting level than if existing remained and were cleaned, relamped and relensed. It was suggested, however, that the existing grid and diffusers be painted.
6. Bookshelves behind service desk and along west wall could be in contract. Could be wood or p lam to match service desk. It may be cheaper to buy the items from a manufacturer rather than building custom.
7. Carpeting of stack area could cost \$30,000. Users think entire area should be carpeted, including spaces to the west which are to be remodeled.
8. Discussed other items deleted for cost items.

LOW BID MEETING  
PAGE TWO

9. Chiller tie in from B/C is an item which may be included. This would insure better cooling of the Diehl Hall spaces than what would be available from an overburdened Diehl Hall system.
10. Warren Forslund will be assembling a list from which the user can select items to be included in the project.
11. It is advisable that because this is a remodeling project and there may be unknowns encountered during construction, a healthy contingency fund should be set aside from the excess funds available.
12. It was thought that the project would be awarded to the low bidder shortly after the end of this meeting.

cc: Paul Maupin



UNIVERSITY OF MINNESOTA  
TWIN CITIES

Health Sciences Planning Office  
Physical Planning  
4103 Powell Hall, Box 75  
500 Essex Street S.E.  
Minneapolis, Minnesota 55455  
(612) 373-8981

May 8, 1980

Mr. Richard Carlson  
Health Sciences Architects & Engineers, Inc.  
University Park Plaza - Suite 704  
2829 University Avenue S.E.  
Minneapolis, Minnesota 55414

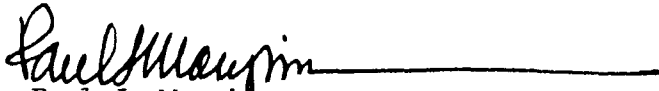
Subject: Unit B/C Phase IA  
Diehl Hall Remodeling Project

Dear Dick:

We appreciate your rapid and professional response to Mr. Forslund's inquiry concerning the bid response on the above mentioned project.

Your analysis puts to rest our concerns regarding the large variance between the estimates and the actual bids submitted to the University on April 29, 1980.

Very truly yours,

  
Paul J. Maupin  
Health Sciences Planning Coordinator

cc: Clint Hewitt  
Duane Blanchard

PJM: jm





UNIVERSITY OF MINNESOTA  
TWIN CITIES

Health Sciences Learning Resources  
W42 Centennial Hall  
Minneapolis, Minnesota 55455  
(612) 376-4666

JUN 16 Rec'd

UNIV. OF MINN.  
HEALTH SCIENCE  
PLANNING OFFICE

TO: Members of the Health Sciences Learning Resources Committee  
FROM: David Garloff  
DATE: Friday, June 13, 1980.  
SUBJ: Review of program for space adjacent to main Health  
Sciences Learning Resources Center.  
Meeting Scheduled: Thursday, June 19th at 3:00 p.m.  
in room B-192 HS Unit B/C.

We are in the fortunate position to renovate the support area of the LRC beyond that which was previously planned. Favorable bidding for the main portion of the LRC will allow us to improve what was a bare bones project in the vacated laboratories on the second floor of Diehl Hall.

To do this we must act quickly to review the space for its program elements. The Building Construction Committee will need our committee's recommendations before they proceed with their planning. Therefore, a meeting of the HSLR Committee has been scheduled for Thursday, June 19th at 3:00 p.m. We hope you will be able to attend.

I've included a proposed floor plan of the area by Glenn Brudvig, a copy of the 1971 original plan and the most recent plan. If you have ideas relative to needs you see your school having for the new LRC, we can discuss them on Thursday.

Enclosures



UNIVERSITY OF MINNESOTA  
TWIN CITIES

Health Sciences Learning Resources  
W42 Centennial Hall  
Minneapolis, Minnesota 55455  
(612) 376-4666

## HEALTH SCIENCES LEARNING RESOURCES COMMITTEE

### MINUTES

Thursday, June 19, 1980.

Present: Finch, Garloff, Holland, Kabat, Maupin, McCollister, Ellis,  
Chairperson Moller and guest, W. Forslund

#### Summary:

The 1971 plan for the support area of the new HSLR Center was reviewed for its program elements. After a brief discussion of this plan and that currently proposed by G. Brudvig, the following program elements were identified as critical to renovation:

1. That interaction rooms be a high priority completion area and that it:
  - a. Be separated from the support area
  - b. Contain a ramped entrance
  - c. Contain the computer room (room 207) and a quiet room for computer study (room 206).
  - d. Have sound proofing between the interaction rooms and the computer rooms.
2. Have AV storage as a second priority. The plan proposed by G. Brudvig should be adopted.
3. Then general purpose workrooms be completed as best possible to provide faculty and staff work support space.
4. Change G. Brudvig's plan to enlarge room 223A by eliminating the wall between it and the camera room.

P. Maupin will use these recommendations for construction planning and will return to the committee sometime in mid July to present the working plan to the committee members. The full committee will like to stay involved in discussions of planning/construction as the project continues for the entire HSLRC.

J. Moller distributed a memo (attached) to the members indicating Dr. J. Werntz's response to the EDP collaborative effort. D. Garloff will pursue meeting with each health science dean, J. Moller and the school's committee member to seek approval for writing such a proposal. Because a number of committee members were absent, it was recommended that D. Garloff phone them to seek any additional input into the review of the program for the space.

The meeting adjourned at 4:10 p.m.

The program would also include a speaker or speakers to review the history of the LRC project and recognize some of the individuals who were involved over the years in making this occasion happen. M. Holland will take the responsibility of designing the program and assigning tasks.

2. Informal Program: This would immediately follow the formal speakers and take place in the LRC. It would consist of a self-guided tour of demonstration stations set up in the LRC. The staff would be available as "well-wishers" and to answer any questions that may arise. Refreshments will be available, such as coffee and cookies or doughnuts. N. Sauro will be responsible for organizing this portion of the program.

3. Media Fair: It was suggested that this occasion be celebrated not just on this one day, but with a series of special events, displays, or demonstrations in the LRC. For example, spotlighting programs in specific subject areas or those developed by U of M faculty (with the faculty members actually present). Some of this could also be done in conjunction with the Open House.

PUBLICITY: Laura Willers is coordinator of Health Sciences Public Relations. As such, she will be able to advise us regarding how to make the program attractive. She can serve as our liaison to the news service, and help us set up the invitations before printing.

INVITATIONS: This should be treated as a major event, involving the whole campus and the media. We may be able to get one or more Regents to attend, perhaps President McGrath. The original committee members should receive special invitations. (G. Brudvig has the file which will enable us to identify all past committee members and others involved in making this happen).

FINANCES: The Bio-Medical Library will cover incidental costs, such as refreshments for the LRC tour following the formal program. Other University sources of funding could be explored, as well as non-University funding. Where the funding comes from and how much is needed depends on the requirements of the major speaker.



UNIVERSITY OF MINNESOTA  
TWIN CITIES

Health Sciences Learning Resources  
W42 Centennial Hall  
Minneapolis, Minnesota 55455  
(612) 376-4666

HEALTH SCIENCES LEARNING RESOURCES COMMITTEE  
MINUTES

Wednesday, June 4, 1980.

Present: Burns, Ellis, Finch, Garloff, Holland, Kabat, Keck, McCollister, Perlmutter, Rothenberger, MacDonald, guest-Nancy Sauro, and guest-Pam Olson, a student from the University of Illinois doing an internship with Bio-Medical Graphics.

The meeting was called to order at 2:07 by D. Garloff in Dr. Moller's absence.

Agenda Item #1 - Presentation of proposal that the Health Sciences Computer Lab move into the New Learning Resources Center.

A copy of the proposal was distributed to the committee. Such a move would be beneficial both to the LRC as well as to the H.S. Computer Lab. The Lab would be provided with much needed security and accessibility. The LRC (which currently has two terminals which are not highly used) would probably see a heavier usage rate if more machines were available and if students were more aware of their presence and if there were a consultant available. The consultant will be supplied by the computer lab on Monday-Friday from 8-5 p.m. and on Saturdays from 9-1p.m. One concern of the committee was the noise of the computers. Would special sound-proofing be necessary? Hopefully, this will not be a problem due to the fact that the University has slowly phased out the noiser machines and the extremely loud Remote Job Entry Machine will not be moved into the area. Each terminal makes no more noise than a typewriter.

A motion was made and seconded for the committee to support the principle of University Computer Services using the LRC as a site to accommodate student computer activities.

Before final approval is granted by the committee for this merger the Task Force on the LRC Construction Planning should convene. Because construction funding is now available to renovate the area where the interaction rooms are located it would be wiser to do all remodeling at once rather than in two phases as originally planned.

New Business - LRC Grand Opening

The subcommittee in charge of the Grand Opening of the new LRC met on Monday, May 19, 1980. The minutes of this meeting are enclosed.

The meeting adjourned at 3:08 p.m.



UNIVERSITY OF MINNESOTA  
TWIN CITIES

Center for Educational Development  
Office of the Vice President for Academic Affairs  
317 Walter Library  
117 Pleasant Street S.E.  
Minneapolis, Minnesota 55455  
(612) 373-4537

June 4, 1980

James H. Moller  
Box 447 Mayo  
Minneapolis Campus

Dear Jim:

I profited from our short meeting on May 28 to inform me about the developmental plans for Health Sciences Learning Resources.

As I have observed it, the Health Sciences Learning Resources has developed into a solid unit in support of the instructional programs of the health sciences. Obviously its achievements have been the result of the work of an able staff and the guidance of the committee under the leadership of Professor Holland and, now, yourself. I take satisfaction that some of that success has been supported with EDP resources.

As I explained when we met, I know no reason why the health sciences units could not decide to assign their Educational Development Program allocation for 1981-82 or for subsequent years to a coordinated effort to accelerate the development of Health Sciences Learning Resources. Any proposal that resulted from this decision would have to follow the general guidelines of the EDP, of course; as I understood your plans, that should present no fundamental problems. I suspect that your larger difficulty will involve gaining simultaneous agreement from each of the Health Sciences units--the Medical School, Dentistry, Pharmacy, Public Health and Nursing--that such a collective effort would be then top priority for educational development.

It may be that, as your plans develop, you will want to consult also with Professor Tom Benson (Associate Director of the Center for Educational Development) and with Professor Tom Noonan, Chairman of the University Committee on Educational Development. Please, also, keep me informed.

Sincerely,

James H. Wernitz, Director  
Center for Educational Development

JHW:lkw

cc: Tom Benson  
Cherie Perlmutter



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W42 Centennial Hall  
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JUL 15 1980

HEALTH SCIENCES LEARNING RESOURCES COMMITTEE  
SUBCOMMITTEE

Minutes - Monday, May 19, 1980.

Present: G. Brudvig, M. Finch, M. Holland, J. Moller and N. Sauro

The Subcommittee met to discuss initial plans for the grand opening of the Learning Resources Center early in 1981. Following the meeting, G. Brudvig and N. Sauro met with Laura Willers of Health Sciences Public Relations who was not able to be present earlier.

The following topics were discussed:

**TIMING:** The grand opening should take place after construction is completed, and ideally several weeks after the actual opening "after the bugs are out". It should not coincide with other major University or local activities which may detract from its importance. Since construction has not yet started, and there may be delays during the construction, an exact date cannot be chosen at this time. However, the sooner we can choose a date, the better, with regard to finding a good place on the University's calendar and to scheduling a speaker or speakers for the program. Laura Willers recommended no later than August and preferably much sooner.

**PROGRAM:** The program should be held in the afternoon, and be in two parts. First would be a program held in the second floor auditorium of the Phillips-Wangensteen Building; just outside what will be the entrance to the LRC, and this would be followed by an informal tour in the LRC.

1. **Formal Program:** This is envisioned as a talk by a speaker who would be well-known enough and speak on a topic of sufficient interest to be a drawing card. The topic might be the future, especially with regard to education or the broader field of information, and tying in the library and self-education. Some of the names mentioned were Dr. Martin Cummings (National Library of Medicine), Dr. Dan Tostesm-Dean of the Harvard Medical School who has been involved with organizing looking at the subject of information management in media; David Rogers (head of the Johnson Foundation) and Dr. Sam Postlethwaite of Purdue University. G. Brudvig will explore suggestions for speakers.



UNIVERSITY OF MINNESOTA  
TWIN CITIES

Health Sciences Planning Office  
Physical Planning  
4103 Powell Hall, Box 75  
500 Essex Street S.E.  
Minneapolis, Minnesota 55455  
(612) 373-8981

September 4, 1980

Mr. Richard Carlson  
Health Sciences Architects & Engineers, Inc.  
University Park Plaza - Suite 704  
2829 University Avenue S.E.  
Minneapolis, Minnesota 55414

Subject: Dieh Hall Learning Resource Center

Dear Mr. Carlson:

I understand from Mr. Forslund that we have a design error in our fire management sprinkler system creating a change order for approximately \$11,000. He has also informed me that you received verbal approval from me to proceed with the bidding of the change order with full knowledge of the design error and an understanding that the necessary correction would follow.

I do not recall any discussion with regard to this design error or giving my approval for this expenditure of project funds.

It has always been and will continue to be the policy of this office, that any direction regarding project costs will be in written form.

Please make it clear to your staff that they shall not deviate from program or standard state of the art design practice without prior written approval from this office.

Very truly yours,

  
Paul J. Maupin  
Health Sciences Planning Coordinator

cc: Clint Hewitt  
Warren Forslund

PJM: jm



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Health Sciences Planning Office  
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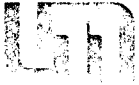
September 29, 1980

TO: Clint Hewitt  
FROM: Paul J. Maupin *Paul*  
SUBJECT: Diehl Hall Learning Resource Center/Library  
Fire Management Sprinkler System

With reference to your memo of September 19, 1980, I have discussed this matter with Mr. Forslund who advises me that code deficiencies were brought to the Architects' attention shortly before bid opening. The Architects brought this matter to our attention and it was agreed that we would receive bids with the deficiency and develop a change order with the successful bidder. At the present, the funding for the change order will have to be contingency funds.

PJM: jm





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TWIN CITIES

Health Sciences Planning Office  
Physical Planning  
4103 Powell Hall, Box 75  
500 Essex Street S.E.  
Minneapolis, Minnesota 55455  
(612) 373-8981

September 30, 1980

Mr. Mike Pederson  
Health Sciences Architects & Engineers  
University Park Plaza - Suite 704  
2829 University Avenue S. E.  
Minneapolis, MN 55414

SUBJECT: Unit B/C Phase I-A  
Diehl Learning Resources Center/Library  
Fire Management Sprinkler System

Dear Mr. Pederson:

It appeared in this morning's construction meeting that we have a serious design problem regarding the type of sprinkler head specified. This portion of the library contains several million dollars worth of priceless books.

As stated in the meeting water damage to books is much more extensive and severe as compared to fire damage in most fire cases. Therefore, we would assume during your investigations of this project you would have specified an on-off head activated by heat to minimize and localize the area of water damage to books.

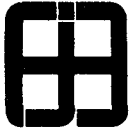
However, that not being the case, we request your immediate recommendation on how we may solve this design problem in the best interests of the University.

Very truly yours,

Warren Forslund  
Asst. Health Sciences Planning Coordinator

cc: Duane Blanchard, Paul Maupin

WF:mka



**ABJ Enterprises, Inc.**

Tom  
Kyle

1980

OCT 16 1980

arthur b. johnson

September 30, 1980

**SUBJECT:** Progress Meeting #7

**PROJECT:** Unit B/C Phase 1-A  
Diehl Hall

**PRESENT:** Phil Malmstedt - ABJ Enterprises, Inc.  
Michael Pederson - HSAE  
Dave Johnson - ABJ  
Glenn Brudvig - U of M Bio-Med Library  
Irving Sims - H. Conrad Co.  
Warren G. Forslund - U of M  
John Smoluch - Arrow Sprinkler  
Dan Johnson - Weiss  
Gordon Dahlen - U of M  
Jim Hastert - U of M  
Wally Mellums - U of M

Meeting called to order by Gordon Dahlen at 10:00 A.M..

**REVIEW OF LAST MEETING:**

**Old Business: Fire Sprinkler status:**

- A) Material delivered 9-26-80
- B) On site installation started 9-26-80
- C) System to be installed by 10-17-80  
for Phase I.

In order to complete Phase I by 11-14-80 ABJ Enterprises, Inc. needs to know the status of the various Modifications that involve finishing materials. An example is Modification 4P which adds carpet in Rooms 211 (critical area for Phase I completion) and Rooms 213 and 214. St. Paul Linoleum & Carpet Co. must be notified very soon so they can order additional carpet.

Gordon Dahlen will hand carry Modification 4P along with other Modifications the University wishes to accept thru the U of M system so that a change order can be written.

**Continued Old Business:**

Miscellaneous steel channels will be delivered 10-1-80.  
Type F fixtures in Toilet rooms are 4 weeks away from being shipped.

Sprinkler drawings - ABJ is still waiting for them. John Smoluch and Ron Hitzemann have discussed some minor changes. Mike Pederson will check on where they are at HSAE.

John Smoluch reported on the Victaulic fittings:

- #72 will not be used due to a delay in receiving it
- #920 not available in 2½" diameter

John talked of the screwed fittings as a means of speeding up the installation. Jim Hastert reminded him of the U of M spec with regard to welded connections.

On the question of a certified welder, John said he talked to Ron Hitzemann before he ever started the fabrication and Ron was going to pursue this matter with the U of M.

Jim Hastert closed the discussion by referring to the meeting that took place after the 9-16-80 progress meeting. At that time, Jim, John and Ron settled on which Victaulic fittings could be used on the job.

Dan Johnson - Weiss Electric - reported:

- he has the revised panel drawing to resubmit
- he stated the fixture supplier will move only at their pace not that of the U of M or Weiss Electric

Gordon Dahlen gave the Modification status report:

- A) Modifications 1E, 3E, 4P and 8E approved and will be incorporated into change order # 1
- B) 5E, 6A & 7P ready for ABJ signature. Philip Malmstedt will sign them after today's meeting to expedite their processing.

Note- 6A is approved in the amount of \$11,512.00. This should be incorporated into a change order promptly as a courtesy to the Mechanical contractors who have pursued the sprinkler change on a field memo to date.

- C) Jim Hastert would like to see a more detailed cost breakdown on Modification 2E. Irving Sims will check into this with the Ed H. Anderson Company.

#### PROGRESS REPORT:

General - David Johnson

- ramp and steps are poured
- electric fixtures (possible substitution) should be resolved for the toilet rooms to progress
- one man working on suspended ceiling is adequate
- painter needs a decision on repainting ceiling grid

Mechanical - Irving Sims

- Diffusers installed
- Plumbing work in Toilets as far as they can go
- Shipping of chilled water coils early in November. Installation late November

Electrical - Dan Johnson  
- Demolition complete  
- Conduit in place  
- Clean fixtures next week

Sprinkler system - John Smoluch  
- Will do everything to insure a 10-17-80  
completion Phase I.

**New Business:**

Irving Sims pointed out the spec calls for insulating all ductwork. Existing supply air mains are not insulated. Mike Pederson will check.

Parking is a real problem. No one has any solutions.

Jim Hastert asked why an on/off type sprinkler head was not considered in the critical book stack areas. Mike will check with his engineer on this point.

Dan Johnson is still waiting for an approval on the sample lens he submitted at the August 19, 1980 Progress meeting. He is talking about \$7,000.00 worth of material and he wants a letter for his file authorizing the use of the lens. Mike Pederson said the lens was approved by the HSA&E. He will see that the sample is delivered to Warren Forslund.

Dan Johnson said the fixtures in the Toilets are going to cause some critical delays. Wally Mellum will check with other contractors on U of M projects and the University's inventory to see if any suitable fixtures can be found and swapped.

John Smoluch pointed out he would have to enter Phase II area to run his piping. Jim Hastert said it was O.K. to do this in order to tie into the mains, but to keep the back-and-forth movement to a minimum.

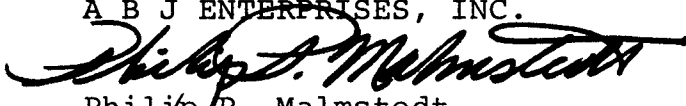
No storage of material will be allowed in Phase II until Phase I is completed.

No lath & plastering will be allowed in Phase II until Phase I is complete.

Meeting adjourned at 10:55 A.M..

Respectfully submitted,

A B J ENTERPRISES, INC.

  
Philip P. Malmstedt  
Estimator

PPM/bjs

cc: All present  
Approved U of M list

Kerkow

**HSAE**

HEALTH SCIENCES ARCHITECTS AND ENGINEERS INC  
UNIVERSITY PARK PLAZA SUITE 704 2829 UNIVERSITY AVENUE S.E. MINNEAPOLIS, MINNESOTA 55414 (612) 378-3833

20 October 1980

OCT 21 1980

Mr. Warren Forslund, Coordinator  
Health Sciences Planning Office  
4106 Powell Hall  
University of Minnesota  
Minneapolis, Minnesota 55455

Re: UM Health Science Expansion  
B/C Phase 1-A, Diehl Hall

Dear Mr. Forslund:

Our office was informed at the progress meeting by you that the lighting fixture lens which was specified for the Type A, B and B1 light fixtures was rejected by the U of M after your review of a sample lens provided at your request.

Previous to this rejection of the Holophane #8224 refractive grid lens, our office had processed the light fixture shop drawings for the project through the normal channels as outlined and required by the University procedures for A/E consultants. The Type B and B1 fixture shop drawings with the Holophane #8224 lens were submitted to the U of M Engineering and Construction office, reviewed and returned to our office for approval without any special concern for the use of the Holophane #8224 lens. The Type A fixtures are existing light fixtures in which the lens is to be replaced with a Holophane #8224 lens to match the type Type B and B1 fixtures and therefore a shop drawing for the Type A fixture was not provided.

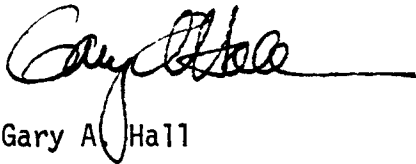
I am troubled regarding the handling of this matter and the possible problems associated with project progress. The rejected product affects the lighting design and if the design is to be changed the new design must be reviewed and accepted by a representative of U of M Engineering and Construction. The specified lens was specifically selected for this project application because of concern for lighting quality and energy conservation. An alternative lens with similar qualities is not available for these existing fixtures.

We returned approved shop drawings for this lighting equipment on August 8, 1980 which has therefore set in motion the purchasing of this equipment. I received a telephone call from the supplier of the Hollophane lens indicating that the electrical distributor had cancelled the lens order at the direction of the electrical contractor. The supplier was questioning the cancellation and I explained I could not give him direction regarding the matter. My concern regarding the cancellation is the negative cost implications and possible project delays which may occur now that the lens order has been cancelled.

Mr. Warren Forslund  
20 October 1980  
Page Two

I believe it is necessary to meet with the appropriate U of M personnel including representatives from Engineering and Construction to resolve the issue and give proper direction to the contractor as soon as possible.

Sincerely,



Gary A. Hall

GAH:co

cc: Mr. D.B. Kerkow, U of M ✓  
Mr. Paul Maupin, U of M  
Dick Carlson, HSAE



UNIVERSITY OF MINNESOTA  
TWIN CITIES

Engineering and Construction Division  
Physical Plant Operations  
26 Folwell Hall  
9 Pleasant Street S.E.  
Minneapolis, Minnesota 55455

October 31, 1980

NOV 4 Rec'd

TO: Paul Maupin  
FROM: E. B. Meyer  
RE: Remodeling 203 - 209, 218 - 225 - Diehl Hall  
Project No. 111-78-0715

Considering the background of the referenced project, it was interesting to be advised by my staff that you have elected to commission HSAE to provide the necessary contract documents for the project, presumably because Engineering and Construction could not meet a critical February 1981 construction completion.

My staff has been involved off and on with this project since October 1979 when Mr. Forslund identified it and requested some "free" engineering information. Since then, we have investigated and discussed code problems, we have met with you and discussed funding responsibility for code related construction, have provided cost estimates for required work and more recently (9-30-80), an engineering ticket for design work was received and assigned.

Basically, I have no trouble with your decision to go with HSAE on this project - indeed when we become aware of the project, Bob Hudalla and I raised the question with you and your staff as to why it was not included in the B/C Phase IA (Learning Resources Center) work.

However, I am concerned that over a year has been taken in the planning process, leaving but 4 months for design and construction. And I'm not optimistic about your being able to complete the work by February even by handling the work as a change order to Phase IA as I understand you are considering,

In the context of a change order to an existing project, is funding adequate to pay the Contractor's price as compared to taking competitive bids? Will this change order exceed the 10% limit established for contract change orders?

If funding problems on this project (Phase I-A) have eased as implied by the above, it is recommended that you also reconsider your decision of August 26, 1980 not to proceed with the chilled water interconnection with the A-B/C plant. The implications of not providing this interconnection are clearly shown in Bob Hudalla's review of Phase I-A dated February 26, 1980. In essence, it means that there is a strong possibility that chilled

Paul Maupin  
October 31, 1980  
Page 2 -

water service interruptions from the Diehl plant for this project can occur under maximum load conditions,

The possibility of exceeding the instantaneous chilled water capacity was pointed by this office during an earlier meeting with user departments in your conference room. I assume you have advised them of your decision of August 26, 1980.

It should also be mentioned that the cost of the proposed interconnection is the cheapest viable method of assuring continuous, reliable air conditioning for the Phase I-A project areas and the Biomedical Library.

EBM/dfs

cc: D. B. Kerkow  
Bob Hudalla



**HSAE**

HEALTH SCIENCES ARCHITECTS AND ENGINEERS INC  
UNIVERSITY PARK PLAZA SUITE 704 2829 UNIVERSITY AVENUE S.E. MINNEAPOLIS, MINNESOTA 55414 (612) 378-3833

4 November 1980

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

NOV 5 1980

RE: Unit B/C Phase I-B  
Diehl Hall Remodeling Modification

Dear Mr. Maupin:

Last week we had the opportunity of meeting with Warren Forslund and Bob Hudalla to discuss the subject project.

Mr. Forslund indicated that the project design schedule needed to be tight to assure construction completion of these spaces concurrent with the completion of the adjacent Learning Resource Center.

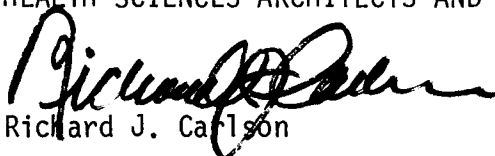
Attached is our proposed compressed schedule for the project. The contract document phase is indicated to be complete by 1 January 1981 at which time the Contractor would be allowed to quote the work. One week is allowed for review and acceptance of the Contractor's proposal and construction would begin by 1 February 1981.

During our meeting we had some discussion regarding prepurchase of certain long lead time materials. You may wish to give further consideration of construction beginning 1 January 1981 and overlapping the costing period which conceivably could save one month of the schedule by allowing the Contractor to order certain materials.

We hope our proposed schedule will satisfy the total and timely completion of this project. Furthermore we would welcome the opportunity of providing our services to the University in the completion of this important Work.

Sincerely,

HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC.

  
Richard J. Carlson

RJC:kae  
Enclosure

cc: Warren Forslund  
John Patterson

**PROJECT SCHEDULES**

**NAME**

**DUANE E. BLANCHARD : PARTNER IN CHARGE**  
**RICHARD CARLSON : PROJECT COORDINATOR**

**HGA**

HAMEL GREEN AND ABRAMSON &  
 ARCHITECTS  
 303 UNIVERSITY AVENUE  
 SAINT PAUL, MINNESOTA

**15. OCTOBER 1980**  
**1990 | 1991 | 1992 | TO OCTOBER 1980 (REVISED)**

**DATE**

PROJECT/DATE	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN		
B/C PHASE I-A DIEHL HALL FL. 2	CONST. LIB.					URG																																
B/C PHASE V-1 IMMUNOLOGY FL. 7	CONST.																																					
B/C PHASE V-2 N.I.P. V. 6, FL. 5, 7, 15	CD REV P	BID 21	19 AND	CONST.												* 19 SHELL SPACE																						
B/C PHASE V-3 ONCOLOGY FL. 5	CD REV	BID	REV AND				CONST.									SHELL SPACE																						
B/C PHASE V-4 ELEVATORS FL. 1, 2, 3, 10, 11, & 12	REV CD	BID 16	AND	CONST.																																		
B/C PHASE VIII SURGERY FL. 5MT	REV CD	REV		DD																																		
B/C PHASE XI TEDS & MED FL. 13 & 14	REV CD	REV	REV 24 FP AND	REV BID 21	CONST.																																	
B/C PHASE XII HOSPITAL CENTRST. CLINIC FL. 7	REV CD	REV CD	REV 21 KEY	REV CD 24 AND	REV CD																																	
B/C PHASE I-B DIEHL HALL MODIFICATION	REV CD	REV CD	REV CD	REV CD 24 AND	REV CD 21 AND																																	

LINK COMPLETION 30 JUNE 82

COMPLETION 30 APR. 82

COMPLETION 1 AUG 82

SECURITY

AL  
HSAE  
11/11/80

HEALTH SCIENCES ARCHITECTS AND ENGINEERS INC  
UNIVERSITY PARK PLAZA SUITE 704 2829 UNIVERSITY AVENUE S.E. MINNEAPOLIS, MINNESOTA 55414 (612) 378-3800

6 November 1980

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

RE: Unit B/C Phase I-B  
Diehl Hall Remodeling Modification

Dear Mr. Maupin:

Reference is made to our letter of 4 November 1980 in which we relayed our proposed project schedule. According to Warren Forslund, because of the duration of design time indicated, the schedule apparently was considered unacceptable to the Health Sciences Planning Office.

In further discussion today with Mr. Forslund he agreed the schematic design/design development phase could be "streamlined" and the time required for these phases therefore reduced. Complete and extensive design development documents would not be required for submittal to the extent as we have prepared in the past. Certain design review meetings with University Building Officials and University Engineering would be held concurrently with the design of the project and preparation of the documents.

We are willing to work closely with the Health Sciences Planning Office and University Engineering in the project development and if appropriate, in the identification of long lead time items for preparation of the necessary modification documents to improve the construction schedule.

We have revised the project schedule according to our discussion with Mr. Forslund and resubmit it for your review and acceptance.

Sincerely,

  
Richard J. Carlson

RJC:ks

cc: Warren Forslund  
John Patterson



UNIVERSITY OF MINNESOTA  
TWIN CITIES

Health Sciences Planning Office  
Physical Planning  
4103 Powell Hall, Box 75  
500 Essex Street S.E.  
Minneapolis, Minnesota 55455  
(612) 373-8981

November 14, 1980

TO: E.B. Merz

FROM: Paul J. Maupin *Paul Maupin* →

SUBJECT: Unit B/C Phase I-A  
Diehl Hall Library/Learning Resource Center  
Phase III Remodeling Modification  
(Includes Rooms 203-209 and 218-225 Diehl Hall)

To answer questions posed in your 31 October 1980 memo, some further background should be added. Original funding for Unit B/C was highly predicated on its provision for a Learning Resource Center. The Health Sciences Planning Committee designated the entire second floor for use by the Health Sciences Library and Learning Resource Center. As funds become available as they have for the three phases of Unit B/C Phase I-A, additional areas will be remodeled for use by the Health Sciences Library/Learning Resource Center.

In October 1979, after the project go-a-head had been received, Health Sciences Architects and Engineers estimated the total project costs at a considerable cost over run for the entire Unit B/C Phase I-A project which includes Phase I, II and III. It was necessary to complete all three phases to meet our obligation with the Federal Grant Application and Grant Award. Phase III was split off from the project and a minimum amount of funds was set aside to correct deficiencies especially in the area of Code requirements brought about by a change in occupancy.

As you indicate, there were several discussions on funding responsibility for the code related construction necessary to bring the north, west, and south walls up to code as necessitated by the change in occupancy of the Phase III area. At that time it was this office's position that it

E. B. Merz  
November 14, 1980  
Unit B/C Phase I-A  
Page 2

was the Medical School's funding responsibility since their departments were occupying areas designated by the Health Sciences Planning Committee as Health Sciences Library/Learning Resources space. After the favorable bids were received on Phase I and II of the project, this office reluctantly agreed to pick up the \$15,000 plus funding responsibility for the above noted code related construction. This involved many considerations such as spending Federal funds wisely, lack of Medical School funds, forcing the vacating of the entire second floor area, etc. This enabled the Medical School to move ahead with the construction of new temporary facilities at the northeast corner of the 2nd floor Diehl for the Orthopedic Surgery Department which has had to vacate the southern half of the Phase III area. The remodeling taking place for Dr. Bach's mouse colony is also for a temporary facility. The air conditioning load for the Phase III area, because of type of occupancy is being radically reduced from eight or ten completely exhausted air changes per hour to one exhausted air change per hour. This change alone should allow the Phase I and Phase II portions to be air conditioned without adding much if any additional load to the existing system. As the remaining lab space on the second floor that now exhausts ten air change per hour, is changed to Library/Learning Resource occupancy, with only one completely exhausted air change per hour, there should be sufficient capacity to take care of the third and fourth floor library spaces. Therefore, spending monies appropriated by the Federal Government for an extension of an \$85,000 chilled water system from Unit B/C to provide additional air conditioning capacity for all floors of Diehl Hall would be inappropriate. In light of the above, funding responsibility for any additional air conditioning capacity requirements for the lab areas or the Library/Learning Resource Center in Diehl Hall lies with the Medical School or University Plant Services.

Now to continue with the planning process time table. Following receipt of favorable bids, all the deduct alternates had to be evaluated and government wage modifications had to be negotiated with the contractors. Award of contract was made in late of May, 1980 and the pre-construction meeting on Phase I and II was held 4 June 1980. With additional funds available Phase III space utilization and upgrading was brought before the Health Sciences Learning

E.B. Merz  
November 14, 1980  
Unit B/C Phase I-A  
Page 3

Resource Committee for their review and input. At the same time conversations were going on between Warren Forslund and Bob Hudalla on the best method to attack the air distribution problem. On about the 15th or 20th of July, Forslund informed Hudalla verbally that we intended to use your services and that a type 08 would be forthcoming. It's my understanding from Hudalla and Forslund that you were made aware of this and the urgency of the problem. On the 25th of July a Type 08 was issued for Architectural and Engineering services. In mid-September this office made inquiry at Engineering and Construction on the status of the engineering ticket. One was finally issued to your office on September 30, 1980 according to your memo. After Forslund's October 14, 1980 meeting with Hudalla and Ruben Fredrick of the Architect's office, it became apparent that the project would take up to a likely eight months to complete. This was an unacceptable date in light of the federal funds being withheld until completion of the Unit B/C project which included the Diehl Hall Library/Learning Resource Center.

In answer to the question "In the context of a change order to an existing project, is funding adequate to pay the contractor's price as compared to taking a competitive bid?" Going the change order direction will save two to three months in design and spec writing time and bidding time. The existing specification spells out most of the parameters the contractor has to work under. Also, most of the critical items can be identified within the next two or three weeks and purchased by change order thus saving another month or two. With one to one and a half percent inflation per month and with the interest on the federal dollars withheld until completion of Unit B/C project, the direction to take, and the one which we have taken, is obvious.

Your next question "will this change order exceed the 10% limit established for contract change orders?" This matter is always give consideration and will be in this instance.

I trust this answers your questions and clarifies our going to HSAE for their services.

If further clarification is needed, do not hesitate to call or write.

PJM:mka

cc: Dave Kerkow, Bob Hudalla, Ruben Fredrick

THE ARCHITECTS COLLABORATIVE  
HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC.

UNIVERSITY OF MINNESOTA  
HEALTH SCIENCES EXPANSION

MEMO TO: Unit B/C I-A, Diehl Hall Remodeling Project Modification  
MEMO BY: Dale Muhlenpoh  
DATE: 18 November 1980  
SUBJECT: Project Code Investigation

The modification to the Diehl Hall Library Remodeling project consists of remodeling laboratory space between Grids 4 and 6 and Grids B1 and H, into accessory spaces for the library.

As per earlier code investigation, the occupancy of the Library is A2.1 - Assembly. The area covered by this modification is to be classified as a B2 occupancy, which will require a one-hour separation between the two areas. The existing wall along Grid 6 is 4" concrete block extending to the structure above, which would appear to be adequate separation. The two new doors between the areas are identified in the Diehl Hall Unit B/C Phase I-A contract documents as "C" label assemblies.

The existing B2 occupancies to the West and South of this modification will apparently require a one-hour separation from the area in this modification due to the handling of flammable liquids in the laboratories. This would best be accomplished by extending the existing partitions to the structure above along the entire perimeter of the modification with concrete masonry units.

The basic area of the modification amounts to approximately 4430 square feet. Using a figure of 100 square feet per person, the occupant load is 45 persons, requiring .9 feet of exit width. The area of the existing B2 occupancies is approximately 8600 square feet. Using a figure of 100 square feet per person, the occupant load is 86 persons, requiring 1.8 feet of exit width. The three exit stairs serving this area provide 10.5 feet of width.

Exiting requirements for the entire second floor are:

B2 Occupancies	131 people
A2.1 Occupancies	<u>535 people</u>
TOTAL	666 people

666 people require 13.4 feet of exit width. The six existing exit stairs (including the remodeled stair) provide 19 feet of exit width.

TAC/HSAE, B/C I-A  
18 November 1980  
Page 2

The ramp as proposed in the schematic drawings does not meet the requirements of the Handicap Code. Creating a 5'-0" long top landing as required by Code, leaves 9'-0" for a ramp in the location shown. With a 14-1/2" difference in floor levels, the resulting ramp has a slope of 1:7.4, which does not conform to the maximum slope of 1:12 as stated in the Code.

cc: Paul Maupin  
Warren Forslund  
Russ Smith



PROJECT: B/C I-A DEHL HALL REMODELING MODIFICATION

LOCATION: UNIVERSITY OF MINNESOTA

COMMISSION NUMBER 320.03

PROJECT MANAGER: RICHARD CARLSON

DATE: 18 NOVEMBER 1980

APPLICABLE BUILDING CODE  
1979 MINNESOTA STATE  
BUILDING CODE W/ AMENDMENTS

OCCUPANCY CLASS  
B-2  
EDUCATIONAL

PROPERTY ZONE

FIRE ZONE

OTHER REGULATIONS:

SETBACK, FRONT:

BACK: SIDE:

BUILDING OFFICIAL  
UNIVERSITY OF MINNESOTA

MAX. ALLOWABLE HEIGHT

OFFSTREET PARKING:

CONSTRUCTION TYPE

UNIT LIVE LOADS

BASIC AREA

INCREASE FOR FIRE ZONE

NO. & WIDTH OF EXITS/FLOOR OR AREA

INCREASE FOR SEPARATION

3 EXITS / 13.4' (3302 a)

INCREASE FOR SPRINKLERS

NO. & WIDTH OF EXITS FOR TOTAL BUILDING

TOTAL MAXIMUM AREA

MAXIMUM ALLOWANCE HEIGHT

MAX. TRAVEL DISTANCE TO EXIT

150' (3302 d)

FIRE RATINGS:

MAX TRAVEL DISTANCE WITH SPRINKLERS

EXTERIOR BEARING WALLS

NA

NA

EXTERIOR NON BEARING WALLS

NA

DEAD END CORRIDOR UNIT

INTERIOR BEARING WALLS

NA

20'

(3324 f)

STRUCTURAL FRAME

NA

MINIMUM CORRIDOR WIDTH

PERMANENT PARTITIONS (1705 b)

NON-COMB.

44"

(3304 b)

VERTICAL OPENINGS

2

STREET FRONTAGE

FLOORS

2

ROOFS

NA

LIGHT

EXTERIOR OPENINGS

NA

UPC 705

AREA SEPARATION WALLS

1 HR

VENTILATION

OCCUPANCY (33A)

SF

SF/P

NO. P.

UPC 705

1 B-2 ACCESSORY

4470

100

45

SANITATION

2 B-2 EXISTING

8000

100

80

SEC 17B

3 A-2.1 ASSEMBLY

20750

50

525

FIRE CONTROL SYSTEMS

4

5

6

7

8

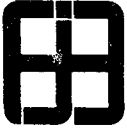
TOTAL

39,780

660

SPECIAL REQUIREMENTS

1. 1HR SEPARATION BETWEEN B-2 OCCUPANCY & A-2.1 OCCUPANCY
2. 1HR. SEPARATION BETWEEN B-2 OCCUPANCY & EXISTING LAB SPACE



**ABJ Enterprises, Inc.**

*Arthur B. Johnson*  
arthur b. johnson

December 23, 1980

SUBJECT: Progress Meeting #13

PROJECT: Unit B/C  
Diehl Hall

PRESENT: David Johnson - ABJ  
Mike Kinneberg - Southside P & H  
Michael Pederson - HSAE  
Dan Johnson - Weiss Electric  
Phil Malmstedt - ABJ  
Glenn Brudvig - U of M  
Wally Mellum - U of M  
Warren Forslund - U of M  
Jim Hastert - U of M  
Gordon Dahlen - U of M

Meeting called to order by Gordon Dahlen 10:15 A.M.

OLD BUSINESS:

Jim Hastert commented that "no direction has been given" to date as to whether a credit should be forthcoming on the type of sprinkler fittings incorporated into the project.

Fire alarm drawings require Weiss Electric to revise and re-submit. Dan Johnson commented that delivery of electrical equipment will not be delayed. Resubmittals are a procedural thing that he is trying to take care of.

Dan also commented that "all fixtures are on the job". An inventory will be taken by Dave Johnson of ABJ and Jim Barkland of Weiss to determine if all fixtures are actually on the job.

NEW BUSINESS:

Gordon Dahlen pointed out that a directive for (2) additional smoke detectors in the area of the rolling shutter between Diehl Hall and Unit B/C will be forthcoming.

Question of lighting at a particular aisle in Phase I stack area (see Item #2 Page #2 12-9-80 Progress Meeting) was discussed. If a fixture can be incorporated, it should be added. Mike Pederson, Warren Forslund, Wally Mellum and Dan Johnson will look at this problem after today's meeting.

Carpet will be installed before the new stacks arrive in South area of Phase I between Grids 9-14 and Grids A-C.

ABJ's unit price of .30/sq.ft. to remove all existing loose asphalt tile in Phase II is acceptable to the U. of M. per Gordon Dahlen. Gordon will designate which area tile is to be removed and verify with Dave Johnson that it has been removed. Note, .30/sq.ft. unit price is complete including ABJ allowed percentage of 10% overhead and 10% profit for using its own labor forces. Also the price includes removal of old tile from the site.

PROGRESS:

General - Dave Johnson

- Ceramic tile in bathrooms complete
- Door between lobby and elevator removed
- Book depository set
- Fire cabinet relocated
- Sheetrock 75% complete Phase II
- Sprinkler work to be completed today
  - a) System tested and approved 12-22-80
- Electrician on job
- Painting remains at bathrooms

Mechanical - Mike Kinneberg

- Sprinkler work progressing well
- Fixtures in baths ready to hand as soon as painting is complete
- Status of coils - both coils in town
  - a) coil stands fabricated
  - b) waiting for (2) pipefitters (a call is into the union); about (1) weeks work for two men
- Duct work complete
- Mike will check on extra sprinkler heads; deliver them to Gordon and Gordon will turn them over to the Physical Plant.

Electrical - Dan Johnson

- Rough in work for study carrels requires core drilling structural slab. Dan is concerned about drilling at column heads and beams. Mike Pederson will check with HSA&E as to proper location. Under no circumstances should Weiss start drilling until locations are verified with existing structural concrete.

New frames and lens assembly will start next week.

Panel covers now scheduled for 12-26-80 shipping via air freight.

Glen Brudvig -

- Commented that the same questions apply as to job progress as shown on 12-9-80 minutes.

The study carrels are scheduled for delivery 12-28 to 12-30-80.

PROGRESS MEETING #13

Diehl Hall

Page 3

Mike Pederson -  
- Re-cap of Modifications

10P - ABJ has relented over the question of supervision costs and modification is being re-routed

11E - waiting on a price from Conrad Mfg. - Irving Sims get your prices to ABJ promptly. (This request was sent to Conrad 10-22-80).

12P - Dust partition - Philip Malmstedt will sign after today's meeting

13E - adding smoke detectors will be forthcoming

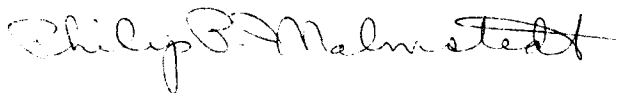
Gordon Dahlen will hand carry modification 10P and it can be incorporated into this month's request for payment.

Dave Johnson asked for a verification of Door 204A and 204B from Warren Forslund as well as a verification as to the door swings.

Meeting adjourned 11:15 A.M.

Respectfully submitted,

A B J ENTERPRISES, INC.



Philip P. Malmstedt  
Estimator

PPM/bjs  
*bjs*

cc: All present  
Approved U of M. list

Note: Weiss Electric's men will be on the job Friday, December 26, 1980.



UNIVERSITY OF MINNESOTA  
TWIN CITIES

Bio-Medical Library  
Diehl Hall  
505 Essex Street S.E.  
Minneapolis, Minnesota 55455



December 29, 1980

MEMORANDUM

TO: Cherie Perlmutter  
FROM: Glenn Brudvig *GB*  
SUBJECT: Hospital Construction and Diehl Hall Access

I have reviewed the changes which are proposed for the area around Diehl Hall which are part of the new hospital construction with the Bio-Medical Library Committee and Bio-Med staff members. A number of serious concerns have been raised and some potential problems identified which I would like to summarize.

I. Background

The Bio-Medical Library is open long hours, 8 a.m.-11 p.m. daily with possibly longer hours when the new Learning Center is open, and also on Saturdays and Sundays throughout the entire year. Therefore, only outside access to the building is available during many of the hours.

Although the construction of the new hospital with its underground corridor will improve access to the Bio-Medical Library for health science users, the library could become more inaccessible for the wide range of other users of the library. These include not only students and faculty from non-health science areas, such as those in Biology, Vet. Med., and Biochemistry, who use the Bio-Medical Library collections, but also local practitioners and some students and faculty from other colleges and universities. Therefore, above ground access will continue to be important for many users of the Bio-Medical Library.

II. Major Concerns

A. Access

1. Emergencies

The main entrance to Diehl Hall must remain accessible to fire trucks. This is the only entrance which provides easy access to all floors of Diehl Hall. We have already had one fire in Diehl Hall.

## 2. Patrons

It is important to make it as easy as possible to patrons to return library books and journals, particularly items which have been recalled for another user. This may require an outside book return, one which can be easily emptied by the staff of the Bio-Medical Library. Patrons also need to be able to pick up books, photocopies, and computer literature searches which are being held for them. Handicapped students who are often dropped off or picked up at the library and late night studiers who have people pick them up need a convenient auto stopping place. Therefore, easy access to temporary parking or idling space is very important.

## 3. Delivery

Eleven hospitals have delivery vehicles to pick up and return library materials, many on a daily basis. In addition, a library campus vehicle makes two stops at the Bio-Medical Library each day and campus and U.S. mail make direct and sizable deliveries to the library. Delivery and service people need easy access to the building.

## 4. Handicapped

The proposed plan for handicapped access is limited to an indirect route and, as was mentioned above, pick-up and drop-off of the handicapped would be restricted under the proposed plan.

## 5. Security

The late night and weekend hours cause security and safety problems for staff and students who work or study at those times. The lights around Diehl Hall are inadequate. Additional lighting would be essential. The moat-like area which, if the plan is followed, would surround three sides of Diehl Hall would limit visual surveillance of the area and add to the security problem. One rape has already been reported in the parking area adjacent to Diehl Hall.

### III. Climate Concerns

#### A. Rain

Water buildup which could result in a sudden downpour, particularly one which would occur late at night when drains could be blocked by ice or leaves, could result in a flooding of the library and possible loss on some of its irreplaceable collections. It appears that the design of the area in front of Diehl Hall

would encourage a water build-up which would collect in the area immediately in front of the entrance.

B. Snow

The build-up of snow in front of the entrance to Diehl Hall is now a problem which could be made worse with the proposed design. The amount of quiet air space in front of Diehl Hall would appear to be greater under the proposed plan, and therefore worsen drifting snow build-up. Snow removal at late hours and weekends is non-existent and has made entrance to Diehl Hall and the library very difficult at times.

C. Wind

The wind tunnel effect in front of Diehl Hall and the Phillips-Wangensteen Building is intolerable at present. The area is almost impassable at times, especially if the walkway is icy, which is more serious when access is available only at the ground level during late hours and weekends.

IV. Aesthetics

There is a major concern, particularly on the part of the library staff, of being in a "pit" where only a wall would be visible from most windows on the ground floor where staff have their office and work spaces.

V. Needs

In summary, the design of the areas adjacent to Diehl Hall should take into consideration the following items:

- 1) Short-term parking for student drop-off and pick-up and for people delivering or picking up materials
- 2) Handicapped parking
- 3) Snow melting devices
- 4) An outside book return accessible by auto
- 5) Fail-safe drainage in front of Diehl
- 6) Attention to wind problems
- 7) Adequate signs from street areas directing users to Diehl Hall and the library since the entrance will be on the opposite side of street approach.
- 8) Vehicular access, particularly for small university delivery trucks and fire trucks

Hospital Construction and  
Diehl Hall Access

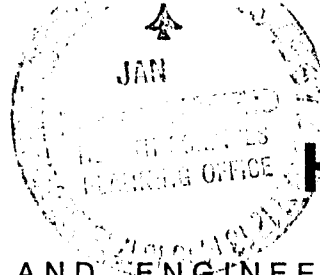
- 9) Access to the Diehl Hall loading dock must be maintained
- 10) Adequate outside lighting

The consensus of the Bio-Medical Library Committee was that entrance to the library must be made more accessible. The plan as presently designed is unacceptable. Aesthetics, safety, and convenience must be considered. The committee recommended that efforts be taken to alter the present plan. The committee also questioned the need or purpose for the landscaping design in front of Diehl in view of the potential problems which it would create for users of the Bio-Medical Library.

db

cc: P. Maupin  
D. Garloff  
E. Smith  
M. Holland  
J. Moller





Phase I-A

**HSAE**

**HEALTH SCIENCES ARCHITECTS AND ENGINEERS INC**  
UNIVERSITY PARK PLAZA SUITE 704 2829 UNIVERSITY AVENUE S.E. MINNEAPOLIS, MINNESOTA 55414 (612) 378-3833

27 January 1981

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

RE: Unit B/C - Shell Space Completion

Dear Mr. Maupin:

We enclose for your use the Unit B/C Shell Space Completion Schedules dated revised 26 January 1981

If you wish further information regarding these schedules, please contact me.

Sincerely,

HEALTH SCIENCES ARCHITECTS AND ENGINEERS, INC.

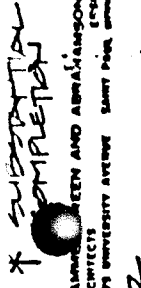
Richard J. Carlson

RJC:kae  
Enclosure

cc: John Patterson

**PROJECT SCHEDULES**

**NAME** RICHARD J. CARLSON, PROJECT COORDINATOR  
**DATE** 10 OCT 1980 (REVISED) 20 OCT 1980 (REVISED) 25 DEC 1980 (REVISED)  
 NAME: EDWARD J. CARLSON, PROJECT COORDINATOR  
 DATE: 10 OCT 1980 (REVISED) 20 OCT 1980 (REVISED) 25 DEC 1980 (REVISED)  
 ADDRESS: HAMMOND GREEN AND ANDERSON ARCHITECTS, 215 UNIVERSITY AVENUE, SAINT PAUL, MINN.  
 SUBSTITUTION COMPLETION



PROJECT/DATE	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
B/C PHASE I-A DIEHL HALL FLR 2	LIFE CONST																																									
B/C PHASE XIII DENTISTRY FLR 4	ADD REV AND																																									
B/C PHASE V-2 I.M.P. V, 6 FLR 5, 7, & 15	CO BID 21 REV P AND 19 SHELL-SPACE CONST X LINK CONST COMPLETION 1 NOV 81 X																																									
B/C PHASE V-3 ORATOLOGY FLR 5	REV AND SHELL SPACE CONST X LINK CONST COMPLETION 30 APRIL 82 X																																									
B/C PHASE V-4 ELEVATORS FLR 1, 2, 3, 10, 11, 12	REV P AND CONST AND CONST COMPLETION 1 NOV 81 X																																									
B/C PHASE VIII SURGERY FLR 8, 9, 10	REV P CO AND CONST CONST COMPLETION 1 NOV 82 X																																									
B/C PHASE XI Peds & Med FLR 13, 14	REV P CO AND CONST CONST COMPLETION 15 JULY 82 X																																									
B/C PHASE XII HOSPITAL- DENTIST CLINIC FLR 7	REV P CO AND CONST CONST COMPLETION 15 JULY 82 X																																									
B/C PHASE N-BI ORTHOPEDY MODIFICATION FLR 8	REV P CO AND CONST CONST COMPLETION 15 JULY 82 X																																									
B/C PHASE V-2 ECS & BLOOD BANK MOD FLR 5	REV P CO AND CONST CONST COMPLETION 15 JULY 82 X																																									
B/C PHASE I-B DIEHL HALL MODIFICATION	REV P CO AND CONST CONST COMPLETION 15 JULY 82 X																																									



**ABJ Enterprises, Inc.**

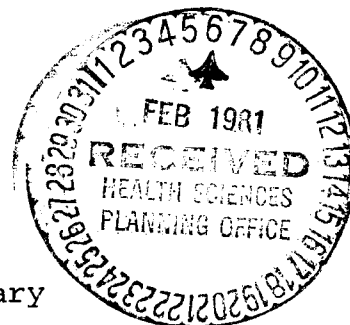
*arthur b. johnson*

February 3, 1981

SUBJECT: PROGRESS MEETING #16

Project: Unit B/C  
Diehl Hall

Present: Glenn Brudvig - U of M Bio Med Library  
Wally Mellum - U of M  
Jim Hastert - U of M  
Gordon Dahlen - U of M  
A. W. Johnson - U of M  
Dave Johnson - ABJ  
Phil Malmstedt - ABJ  
Michael Pederson - HSA&E  
James Barklind - Weiss



Meeting called to order by A. Walter Johnson at 10:07 A.M.

OLD BUSINESS:

Fire alarm shop drawings submitted by Dan Johnson of Weiss Electric have been rejected. This will affect final inspection and just as important, "Occupancy Permit, according to Wally Mellum. Next submittal by Weiss should include enough copies so consultants can review and comment.

Price on alternative fixtures above certain stacks waiting on Dan Johnson who has left for a one week vacation. Phil Malmstedt will contact Dan the middle of next week and pursue.

Panel covers are lost according to Jim Barklind. It would seem that Weiss could come up with a better excuse than this.

Extra sprinkler heads are on job and will be turned over to Gordon Dahlen at the end of today's meeting.

No progress on setting study carrels.

Rolling shutter question; Specialty Sales has hand carried correspondence to Dave Johnson. Copies will be sent to Gordon, Wally and Mike Pederson

- Dave reported that Dennis Boxrud of Specialty Sales informed him that the shutter can be adjusted to 30'-0"/ minute by loading governor with weights. This will shorten the life of the motor.
- Phil Malmstedt will contact Specialty Sales immediately to attempt to restore this question. (This was done 2-4-81 P.M.)

Removal of debris is progressing.

464 second street, box 435, excelsior, minnesota 55331, phone 612/474-5941

Wally informed Jim Barklind that the ductor tests should take place after the breakers are installed.

Electrician can work on rough ins and wiring his boxes at carrels. Carrels can be installed after electrician is done and units plugged in.

Health Science Planning Office rejected the power poles and asked for underfloor installation instead at the carrels.

Specialty Sales will have to hook up rolling shutter. Note the present key switch is rejected - a "recessed" switch box must be provided.

PROGRESS:

General - Dave Johnson

- painting going well
- doors installed by elevator
- hardware nearly complete
- carpet 85% installed by end of today
- bench will be anchored today; wood slats to be delivered tomorrow
- counter set
- shelves set
- plastering complete

Mechanical - Dave Johnson & Gordon Dahlen (Irving Sims did not show up)

- Diffusers in place
- Fixtures installed
- Jim Hastert asked about final inspection of toilet rooms
- A. W. Johnson would like to see as much space as possible inspected and approved so U. of M. can occupy. ABJ will inform Gordy and he will coordinate the necessary University inspectors. Gordy will also mark what has been scratched or marked by U. of M. personnel when moving equipment into the D/C area.

Electrical - Jim Barklind

- fixtures washed and relamped
- wiring underfloor at carrels complete
- boxes for carrels will be done in two days
- fire alarm system left to wire
- a question of wiring at lobby bench will be checked out with Wally.
- wiring at reheat and chilled water coils discussed
  - a. Weiss will immediately contact Conrad when capacitors arrive in town
    1. Wally urged Weiss to coordinate not only capacitors but relays and starters also
  - b. Conrad will apply for "Temporary Outage" permit after it hears from Weiss. (This was confirmed by Irving Sims in a telephone conversation with Phil Malmstedt 2-3-81 4:00 PM)

NEW BUSINESS:

Gordy Dahlen -

1. Rail on back side of service desk-can wire mold be used in lieu of cutting into plastic laminate upright? Glen, Wally, Mike & Gordy will look at after meeting
2. Gordy questioned Jim and Wally about "Outage Request"; conclusion - mechanical contractor should submit the request to Gordy
3. Escutcheon plates don't fit properly on Sargent locks (up to a 3/16" gap). ABJ knows about this and Gordy has contacted Stroughn Hardware too. Problem will be corrected at no cost to University.


Jim Hastert -

1. When will mechanical be done?  
What is the answer Irving Sims?
2. When will general be done?  
Friday, 2-6-81 per Phil Malmstedt
3. Jim wants to be notified 2 days in advance of any occupancy.

Wally Mellum -

1. At 12:30 P.M. today, a review of the switch board will be made
2. Fire alarm shop drawings and fire alarm equipment REJECTED
3. This will affect the Final Occupancy Permit
  - a. Dan Johnson, Weiss, take note - ABJ intends to withhold January payment until this is corrected
4. Rolling shutter must comply with Life Safety Code #101
  - a. Dennis Boxrud or Jerry Meland from Specialty Sales should note this Code requirement

Glen Brudvig -

- 
1. When can U. of M. occupy entire space?
    - a. Gordy thought final inspection week of 2-9-81 with occupancy the week of 2-16-81
  2. Question of computer hookup - Wally explained what is required. U. of M. should talk to Jim Barklind with Weiss while he is still on job.

Mike Pederson -

1. Modifications 11E, 13E, 15E & 17E still outstanding (Conrad and Weiss - take note)

Question of carpet at the 3M control plate at library exit -

1. St. Paul Carpet & Linoleum to carpet up to base
2. 3M has special carpet for detector itself

A. Walter Johnson emphasized need for full cooperation by all concerned to finish job next few days. Particular emphasis should be on scheduling work so no unexpected delays come up.

Next & last progress meeting tentatively scheduled for February 17, 1981.

Meeting adjourned 11:00 A.M..

Diehl Hall  
access

Office of the Assistant Vice President



UNIVERSITY OF MINNESOTA  
TWIN CITIES

Physical Planning  
340 Morrill Hall  
100 Church Street S.E.  
Minneapolis, Minnesota 55455

February 17, 1981

TO: Donna Ahlgren

FROM: Clint Hewitt *Clint*



Attached is a copy of the memorandum from Glen Brudvig to Cherie Perlmutter which served as a basis for a recent meeting we had to discuss the concerns of the occupants of Diehl Hall about the construction of the new Replacement Hospital. You will recall that the Hospital Building Advisory Committee suggested that a meeting be scheduled with the appropriate persons in Diehl Hall to obtain their concerns and comments on the impact (relationship) of the hospital project on the operation of Diehl Hall. You will note from the memorandum that Mr. Brudvig and his associates went to considerable length to discuss all of the concerns that they had about the impact of the new hospital on Diehl Hall.

At the meeting, I attempted to clarify their concerns and to identify issues that were appropriately related to the construction of the Replacement Hospital and to separate those issues that should be resolved by some other means. The basic premise of my comments were that:

1. Any problem created by the construction of the new Replacement Hospital should be resolved by the hospital project.
2. Problems not caused by the construction of the hospital must be resolved through other resources.
3. We should take advantage of any opportunity to improve existing conditions in the development of the hospital project as long as there were no additional costs to the project.

The following is a brief summary of the responses that were made to the needs and concerns they raised:

1. Short-term parking for student drop-off and pick-up for people delivering or picking up materials. I indicated that if this did not currently exist, although some persons violate the use of the turn-around to achieve the same, it was not an appropriate responsibility of the hospital project. If it can be achieved in the final design of the plaza, it should be considered by the consultants.
2. Handicapped Parking. Handicapped parking currently is provided and, therefore, future parking spaces must be accommodated in the design of the new hospital project.
3. Snow melting devices. The issue of any increased impact of snow problems by the hospital project must be taken into account. However, the resolution of this problem would not necessarily be the installation of snow melting devices. It's, of course, an option to consider by our consultants.
4. An outside book return accessible by auto. I indicated that since this facility is not being eliminated by the Hospital Project it is not an appropriate responsibility of the Hospital Project. On the other hand, I stated that if it could be achieved within the overall design, it could not be an additional cost to the project.
5. Fail-safe drainage in front of Diehl. I stated that I did not believe that there was a fail-safe drainage system that could be incorporated but, certainly, if the design of the plaza increased the drainage problem, the designers of the Hospital Project must take into account any such impact on Diehl Hall and off-set the problem.
6. Attention to wind problems. The group was informed of the Wind Study that is underway. I further stated that we certainly would want to avoid increasing the problem by the construction of the new hospital.
7. Adequate signs from street areas directing users to Diehl Hall. I indicated that the graphic system that will be developed would include the appropriate directions for Diehl Hall.
8. Vehicular access for small University delivery trucks and fire trucks. I indicated that appropriate access for fire trucks would be provided and that the delivery very possibly could be achieved from the east side of the building in the resolution of the access problem.

Donna Ahlgren  
February 17, 1981  
Page Three

9. Access to Diehl Hall loading dock must be maintained. I concurred with this requirement.
10. Adequate outside lighting. I indicated that adequate lighting would be provided by the Hospital Project in terms of the design of the plaza. However, it could not provide additional lighting needed to improve security around Diehl Hall.

Finally, I indicated to the committee that the site plan that they had reviewed was conceptual in nature and that some of the concerns they have identified would be resolved in the final design. As I stated earlier, the basic premise for the comments that I made centered around the hospital being responsible for any problems that are created by its construction and that those items that are desirable but not directly related to the construction of the hospital would have to be resolved through other means. I told the group that we would explore to the fullest extent any opportunities to improve the general environment of the Health Sciences area and that I was sure that the designers would take it into consideration in making the final design decisions.

Donna, you perhaps should share this memo with the designers and at an appropriate time, another meeting should be set to discuss what will be achieved through the design of the hospital project.

CNH/kh  
Attachment

cc: Robert Dickler  
Cherie Perlmutter  
✓ Paul Maupin





UNIVERSITY OF MINNESOTA  
TWIN CITIES

Bio-Medical Library  
Diehl Hall  
505 Essex Street S.E.  
Minneapolis, Minnesota 55455



December 29, 1980

MEMORANDUM

TO: Cherie Perlmutter  
FROM: Glenn Brudvig *GB*  
SUBJECT: Hospital Construction and Diehl Hall Access

I have reviewed the changes which are proposed for the area around Diehl Hall which are part of the new hospital construction with the Bio-Medical Library Committee and Bio-Med staff members. A number of serious concerns have been raised and some potential problems identified which I would like to summarize.

I. Background

The Bio-Medical Library is open long hours, 8 a.m.-11 p.m. daily with possibly longer hours when the new Learning Center is open, and also on Saturdays and Sundays throughout the entire year. Therefore, only outside access to the building is available during many of the hours.

Although the construction of the new hospital with its underground corridor will improve access to the Bio-Medical Library for health science users, the library could become more inaccessible for the wide range of other users of the library. These include not only students and faculty from non-health science areas, such as those in Biology, Vet. Med., and Biochemistry, who use the Bio-Medical Library collections, but also local practitioners and some students and faculty from other colleges and universities. Therefore, above ground access will continue to be important for many users of the Bio-Medical Library.

II. Major Concerns

A. Access

1. Emergencies

The main entrance to Diehl Hall must remain accessible to fire trucks. This is the only entrance which provides easy access to all floors of Diehl Hall. We have already had one fire in Diehl Hall.

## 2. Patrons

It is important to make it as easy as possible to patrons to return library books and journals, particularly items which have been recalled for another user. This may require an outside book return, one which can be easily emptied by the staff of the Bio-Medical Library. Patrons also need to be able to pick up books, photocopies, and computer literature searches which are being held for them. Handicapped students who are often dropped off or picked up at the library and late night studiers who have people pick them up need a convenient auto stopping place. Therefore, easy access to temporary parking or idling space is very important.

## 3. Delivery

Eleven hospitals have delivery vehicles to pick up and return library materials, many on a daily basis. In addition, a library campus vehicle makes two stops at the Bio-Medical Library each day and campus and U.S. mail make direct and sizable deliveries to the library. Delivery and service people need easy access to the building.

## 4. Handicapped

The proposed plan for handicapped access is limited to an indirect route and, as was mentioned above, pick-up and drop-off of the handicapped would be restricted under the proposed plan.

## 5. Security

The late night and weekend hours cause security and safety problems for staff and students who work or study at those times. The lights around Diehl Hall are inadequate. Additional lighting would be essential. The moat-like area which, if the plan is followed, would surround three sides of Diehl Hall would limit visual surveillance of the area and add to the security problem. One rape has already been reported in the parking area adjacent to Diehl Hall.

### III. Climate Concerns

#### A. Rain

Water buildup which could result in a sudden downpour, particularly one which would occur late at night when drains could be blocked by ice or leaves, could result in a flooding of the library and possible loss on some of its irreplaceable collections. It appears that the design of the area in front of Diehl Hall

would encourage a water build-up which would collect in the area immediately in front of the entrance.

B. Snow

The build-up of snow in front of the entrance to Diehl Hall is now a problem which could be made worse with the proposed design. The amount of quiet air space in front of Diehl Hall would appear to be greater under the proposed plan, and therefore worsen drifting snow build-up. Snow removal at late hours and weekends is non-existent and has made entrance to Diehl Hall and the library very difficult at times.

C. Wind

The wind tunnel effect in front of Diehl Hall and the Phillips-Wangensteen Building is intolerable at present. The area is almost impassable at times, especially if the walkway is icy, which is more serious when access is available only at the ground level during late hours and weekends.

IV. Aesthetics

There is a major concern, particularly on the part of the library staff, of being in a "pit" where only a wall would be visible from most windows on the ground floor where staff have their office and work spaces.

V. Needs

In summary, the design of the areas adjacent to Diehl Hall should take into consideration the following items:

- 1) Short-term parking for student drop-off and pick-up and for people delivering or picking up materials
- 2) Handicapped parking
- 3) Snow melting devices
- 4) An outside book return accessible by auto
- 5) Fail-safe drainage in front of Diehl
- 6) Attention to wind problems
- 7) Adequate signs from street areas directing users to Diehl Hall and the library since the entrance will be on the opposite side of street approach.
- 8) Vehicular access, particularly for small university delivery trucks and fire trucks

Hospital Construction and  
Diehl Hall Access

- 9) Access to the Diehl Hall loading dock must be maintained
- 10) Adequate outside lighting

The consensus of the Bio-Medical Library Committee was that entrance to the library must be made more accessible. The plan as presently designed is unacceptable. Aesthetics, safety, and convenience must be considered. The committee recommended that efforts be taken to alter the present plan. The committee also questioned the need or purpose for the landscaping design in front of Diehl in view of the potential problems which it would create for users of the Bio-Medical Library.

db

cc: P. Maupin  
D. Garloff  
E. Smith  
M. Holland  
J. Moller



UNIVERSITY OF MINNESOTA  
TWIN CITIES

Physical Plant Operations  
200 Shops Building  
319 15th Avenue S.E.  
Minneapolis, Minnesota 55455

*Paul Maupin*



May 26, 1981

A.B.J. Enterprises, Inc.  
464 Second Street  
Box 435  
Excelsior, Minnesota 55431

Attention: Philip Malmstedt, Estimator

Re: Unit B/C Phase IA, Diehl Hall Remodeling  
University of Minnesota, Minneapolis Campus  
Project No. 074-80-0342

Gentlemen:

Enclosed is a copy of the University Building Inspector's memo to Jack Geretz, Assistant Supervising Engineer, Construction and Contracts Department, University of Minnesota.

As per your job superintendent's request of May 26, 1981, the Building Inspector has provided the following testing procedures for accepting the rolling shutter (four corrective measures shown in the memo dated May 19, 1981):

1. The smoke detectors are to be tested both on the corridor side and on the Diehl Hall side using smoke to activate the detectors. Note: This will require alerting the Physical Plant Fire Management that a test is to be conducted so the Fire Department will not be called to the site.
2. There shall be two (2) manually caused free fall drops of the door in power off mode. The Physical Plant personnel must be present to be instructed how this is accomplished and how the shutter is reset to its proper condition after free fall occurs.
3. The fusible links are now exposed above the ceiling at two (2) 8" x 8" Tuttle and Bailey grilles specified by the Architect. The required canisters at these grilles are not yet in place and the shutter cannot be accepted until they are also installed.
4. The Building Inspector will issue a temporary certificate of occupancy when all three of the above are completed and tested even though the fourth item in his memo is not. This fourth item must be corrected within two weeks from the date of this letter.

A.B.J. Enterprises, Inc.  
May 26, 1981  
Page 2

Basically the University expects that the General Contractor and the rolling shutter manufacturer supply a unit as is specified. It is suggested that this manufacturer be sent a copy of the specification and the Building Inspector's memo to the University Assistant Supervising Engineer for their use to provide a properly functioning shutter as specified.

Your earliest attention to get this shutter operational and acceptable will be appreciated.

Sincerely,

*Gordon Dahlen*  
Gordon Dahlen *GD*

GD/nk

Encl.

cc: Jack Geretz  
Paul Maupin  
Wally Mellum  
Warren Forslund  
Ray Arntson  
Glenn Brudvig  
Richard Hendricks



UNIVERSITY OF MINNESOTA  
TWIN CITIES

Health Sciences Planning Office  
Physical Planning  
Health Sciences Complex  
Box 726 Mayo Memorial Building  
Minneapolis, Minnesota 55455

(612) 373-8981

February 11, 1982

Richard A Polinski, P.E.  
Chief, Design and Engineering  
Division of Regional Operations  
Department of Health and Human Services  
Region V  
300 S. Wacker Drive  
Chicago, Ill. 60606

Reference: MINN-HP-0018A  
Diehl Hall Remodeling Project  
MINN-HP-5C-63 and MINN-NU-5C-77  
Unit F Pharmacy and Nursing Facility  
MINN HP-05C-070  
Jackson/Owre/Millard/Lyon Complex

Dear Mr. Polinski:

This letter will confirm that the suggested dates of March 2,3 and 4 for the inspections of the referenced projects meets with the approval of the University and other interested parties.

We are suggesting that the projects be inspected in the following order to arrange for various University personnel who will need to be involved:

March 2, 1982	Jackson/Owre/Millard/Lyon Complex
March 3, 1982	Unit F Pharmacy/Nursing
March 4, 1982	Diehl Hall Project and wrap up meetings

We suggest that we meet at 508 Botany Building the morning of March 2, 1982 to begin the inspections and conclude on March 4, 1982 with the wrap up meeting in Room 509 Botany beginning at 1:30 P.M.

We suggest that Mr. O'Shea contact the University Inn, located at 2600 University Avenue S.E.(1-612-379-2313) to arrange for motel accommodations. This motel is within walking distance of the University.

Mr. Polinski  
Page Two  
February 11, 1982

If Mr. O'Shea has any comments or concerns please have him contact my office.

We will look forward to meeting with Mr. O'Shea and successfully concluding the inspections on the references projects.

Very truly yours,



Paul J. Maupin  
Health Sciences Planning Coordinator

cc: Mr. Duane Blanchard  
Health Sciences Architects & Engineers

Mr. Richard Carlson  
Health Sciences Architects & Engineers

Jack Geretz  
University Department of Construction and Engineering

Vic Scott  
Federal Projects Manager

Mr. Thomas O'Shea  
Department of Health and Human Services

PJM:jmw

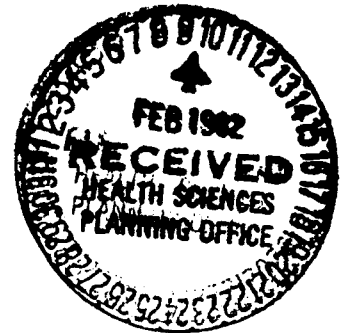


Region V  
300 S. Wacker Drive  
Chicago, IL 60606

FEB 4 1982

Our Reference: MINN-HP-0018

- Health Sciences Expansion Unit B/C  
MINN-HP-0018A
- Diehl Hall Remodeling Project  
MINN-HP-5C-63 and MINN-NU-5C-77
- Unit F Pharmacy/Nursing  
MINN HP-05C-070
- Jackson/Owre/Millard/Lyon Complex



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

Dear Mr. Maupin:

Thank you for your letter of December 14, 1981, regarding final inspections on above referenced projects with the exception of MINN-HP-0018, Health Sciences Expansion Unit B/C.

*OK* We would like to make final inspections the first week in March. Preferably March 2, 3, and 4 leaving Monday and Friday open for salesmen who travel on these days.

*OK* Mr. O'Shea would arrive on Monday night on March 1, 1982, in order to get an early start on Tuesday, March 2, 1982, preferably at eight o'clock.

We should be able to conduct the final inspections in three days with time left over for exit conference and discussion of change orders and how to bring the projects to a successful conclusion as expeditiously as possible in order that the University may receive its close out funds promptly.

*Schedule Meeting*  
Personnel required to conduct final inspections would be a representative of the University, the architect's office and the Department of Health and Human Services, U. S. Government. It will not be necessary for a representative of the contractors to be present unless the University so desires.

The final inspections basically will be conducted to verify compliance with the Life Safety Code 101 of the National Fire Protection Association and the requirements for the physically handicapped on architectural barrier free design.

*OK* We would like a letter of confirmation of the final inspections at least one week in advance in order that travel arrangements may be made.

Also, it would be appreciated if a hotel or motel be recommended that is close to the University in order to cut down on commuter expenses.



DEPARTMENT OF HEALTH & HUMAN SERVICES

Office of the Principal  
Regional Official

Region V  
300 S. Wacker Drive  
Chicago, IL 60606

March 15, 1982

Our Reference: Minn-HP-0018  
Health Sciences Expansion Unit B/C  
Minn-HP-0018A  
Diehl Hall Remodeling Project ✓  
Minn-HP-5C-63 and Minn-NU-5C-77  
Unit F Pharmacy/Nursing ✓  
Minn-HP-05C-070  
Jackson/Owre/Millard/Lyon Complex ✓



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

Dear Mr. Maupin:

Final inspections on the above referenced projects were made on March 1, 2, 3, and 4, 1982. Personnel in attendance at the inspections were as follows:

Bruce Johnson - Architect - H.S.A.E.  
Thomas Kyle - Coordinator - U/M  
Glenn Hawkinson - Mech. Engr. - H.S.A.E.  
Dennis G. Leslie - Elec. Engr. - H.S.A.E.  
Warren G. Forslund - Coordinator - U/M  
Robert Swanson - Coordinator - U/M  
Paul J. Maupin - H.S.P.O. - U/M  
Duane Blanchard - Architect - H.S.A.E.  
Gordon Dahlen - Const. and Contracts - U/M  
V. E. Scott - Physical Planning - U/M  
Jack Geretz - Const. and Contracts - U/M  
Wally Mellam - Const. and Contracts - U/M  
Harry Wkcox - Arch./Engr. - H.S.A.E.  
A. Walter Johnson - Sr. Const. Supt. - U/M  
Dick Carlson - Architect - H.S.A.E.

Please respond to the required actions listed below and advise this office when all actions have been accomplished.

Final Inspection Report:

1. Provide certification from University that all operating and maintenance manuals have been turned over to the University by the Contractor's.
2. Provide certification from University that all Air Balance Reports have been turned over to the University by the Contractor.
3. Provide certification from University that Fire Alarm Systems have been inspected and approved by local Fire Department.
4. Provide certification that University has inspected and tested all Mechanical and Electrical Systems, and found them to be acceptable.
5. Jackson/Owre/Millard/Lyon Complex:

It was found at time of final inspection that many corridors are in excess of 300 feet which is in violation of The Life Safety Code No. 101-1973 which requires corridors to be no more than 200 feet for Business Occupancy. Since these corridors were not part of the construction project it is recommended that the University correct this deficiency when funds are made available.

6. Diehl Hall Project:

The air handling unit does not have smoke detectors in the supply air duct, and return air duct to shut down supply air fan, and return air fan in case of fire. This is not in accordance with The National Fire Protection Association (NFPA) Code No. 90A. Since the air handling unit was not part of the construction project it is recommended that the University install smoke detectors as mentioned above as soon as funds are made available.

7. Unit F Pharmacy/Nursing:

It is recommended that an Emergency Battery pack be installed at Emergency Generator located in basement. This will provide illumination at Emergency Generator in event of a power failure, and Emergency Generator fails to go on line in allotted time. A maintenance man will not have to stand at Emergency Generator with a flash light, and try to start Emergency Generator. This is getting to be a common practice now.

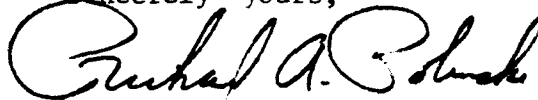
Project Close Out:

1. Submit project close out costs for each project listed above to The Chicago Regional Office of The Department of Health and Human Services (HHS) Regional Office of Facilities Engineering and Construction (ROFEC). This is to include all Contracts and Change Orders issued for each project. This should agree with project close out costs sent to Mr. James Durham, Program Officer in Washington. We would like to remind the applicant that money has value with regards to interest it can earn which is now approximately 20 per cent annually. The sooner the University submits the information requested in the Final Inspection Report, and close out costs, the sooner it will receive the final grant amount.

We would like to thank the Architect, and University Personnel involved in the design of the above referenced projects for complying with The Life Safety Code, and Barrier Free Design for The Physically Handicapped. That is why there are no outstanding items of omissions, and deficiencies found at time of final inspections, and why we were able to conduct the final inspections in such a relatively short period of time.

Inquiry relative to comments contained herein may be directed to Thomas J. O'Shea, P.E. at this address, or by telephone on (312) 886-5516.

Sincerely yours,



Richard A. Polinski, P.E.  
Chief, Design and Engineering Branch  
Regional Operations for Facilities  
Engineering and Construction



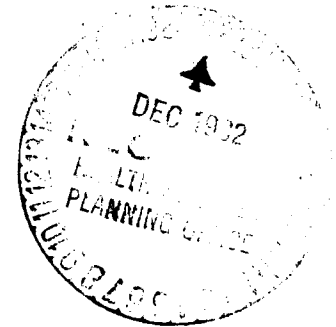
DEPARTMENT OF HEALTH & HUMAN SERVICES

Office of the Principal  
Regional Official

Region V  
300 S. Wacker Drive  
Chicago, IL 60606

December 15, 1982

Our Reference: Minn-HP-0018  
Health Sciences Expansion Unit B/C  
Minn-HP-0018A  
Diehl Hall Remodeling Project  
University of Minnesota  
Minneapolis, Minnesota



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

Dear Mr. Maupin:

We hereby acknowledge receipt of your letter of October 6, 1982, by your Mr. V. E. Scott, Federal Projects Coordinator, and accompanying Construction Cost Data.

The letter satisfactorily answers the certifications and tests requested in our Final Inspection Letter of May 15, 1982. There were no omissions and deficiencies on this project.

This completes the Department of Health & Human Services (DHHS) Regional Office of Facilities Engineering and Construction (ROFEC) responsibility for the project, and we are closing this project out from our files.

Inquiry relative to comments contained herein may be directed to Thomas J. O'Shea, P.E., at this address or by telephone on (312) 886-5516.

Sincerely yours,

Richard A. Polinski, P.E.  
Chief, Design and Engineering Branch  
Regional Operations for Facilities  
Engineering and Construction

cc:  
James D. Durham



DEPARTMENT OF HEALTH & HUMAN SERVICES  
 HEALTH RESOURCES AND SERVICES ADMINISTRATION  
 BUREAU OF HEALTH MAINTENANCE ORGANIZATIONS  
 AND RESOURCES DEVELOPMENT

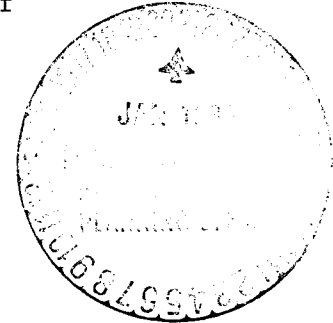
Public Health Service

*OK*  
*Paul*

~~XXXXXXXXXXXXXXXXXXXX~~  
~~Bureau of Health Facilities~~  
 3700 East-West Highway  
 Hyattsville MD 20782

January 13, 1983

Our Reference: 05C-000018-01 PEC05  
 Diehl Hall Remodeling & Expansion of  
 the Health Sciences Unit B/C  
 School of Medicine



Mr. Frederick M. Bohlen  
 Vice President for Finance  
 and Treasurer  
 University of Minnesota  
 Minneapolis, Minnesota 55455

Dear Mr. Bohlen:

The final cost data submitted for the Diehl Hall Remodeling and the expansion of the Health Sciences Unit, B/C for the School of Medicine at the University of Minnesota that was supported by the above referenced construction grant have been reviewed.

Based on the above data, we have determined that the eligible costs for the construction/fixed equipment are sufficient to justify the amount of the grant awarded.

There is no longer a requirement of first-year enrollment increase of medical students. The net area for Federal participation is 156,213 net square feet.

In accordance with the executed "Assurances" contained in the approved application, the Federal interest in the funded facility will continue for a period of twenty years from the date of beneficial occupancy until August 1999.

In addition, there is a future requirement that you complete an Annual Space Report one year after completion of construction each year thereafter until termination of the 20-year commitment which was effective as of August 1979.

The final Report of Construction Progress and Claim for Cost Reimbursement has been certified for final payment in the amount of \$434,534. A copy of the final request for payment as certified is enclosed in order that the University can validate the final withdrawal of payment against the letter of credit.

Sincerely yours,

*G. Lee Teets*

G. Lee Teets  
 Grants Management Officer, Designate  
 Office of Program Support

Enclosure

DEPARTMENT OF HEALTH, EDUCATION AND WELFARE  
PUBLIC HEALTH SERVICE

1. GRANT NUMBER

05C000018-01 PEC 05

REPORT OF CONSTRUCTION PROGRESS AND  
CLAIM FOR COST REIMBURSEMENT

2. INSTALLMENT 1 \_\_\_\_\_ 3 \_\_\_\_\_ 5 \_\_\_\_\_  
2 \_\_\_\_\_ 4 X 6 \_\_\_\_\_

3. METHOD OF PAYMENT

Cash  Letter of credit

4. GRANTEE

UNIVERSITY OF MINNESOTA

5. LOCATION OF PROJECT

Minneapolis, Minnesota 55455

6. VALUE OF WORK IN PLACE

Classification of costs (1)	Total development costs (2)	Value of work in place materials and services furnished (3)
a. Building work (excluding built-in equipment)	\$ 31,519,316.00	\$ 31,513,544.30
b. Site work	230,341.00	230,131.47
c. Off-site work	180,561.00	180,561.43
d. Central utility plant (prorata share)	659,377.00	659,377.00
e. Built-in equipment (included in building costs)	-0-	-0-
f. Architectural and engineering costs	4,062,866.00	4,050,966.83
g. Movable equipment	1,651,164.00	1,651,164.69
h. Purchase of land and buildings	-0-	-0-
i. Other (attach details)	108,541.00	105,829.31
j. Totals	\$ 38,412,266.00	\$ 38,391,575.03

7. PERCENT OF PROJECT COMPLETED

$$\frac{\$ 38,391,575.03}{(Line\ j\ Col.\ 3)} \div \frac{\$ 38,412,266.00}{(Line\ j\ Col.\ 2)} \times 100 = 100\ \% \text{ completed}$$

8. AMOUNT CLAIMED BY GRANTEE

a. Amount of grant	\$ 7,929,450.00
b. $\times 100$ % completed	7,929,450.00
c. Less prior amounts claimed	7,494,916.86
d. Net amount claimed this request	\$ 434,534.00

9. CERTIFICATION BY GRANTEE

I certify that labor, materials and services having a value of \$ 38,391,575.03 as shown in column 3 of Item 6 above, have been used in this project in accordance with the approved project agreement.

NAME AND TITLE OF AUTHORIZED OFFICIAL  
(Typed) Frederick M. Bohlen,

SIGNATURE OF AUTHORIZED OFFICIAL

DATE

Vice President for Finance & Treasurer

*Frederick M. Bohlen*

OCT 6 1982

10. AGENCY CERTIFICATION

I hereby certify that all work, materials and services for which claim is requested above are in accordance with approved project agreement. This Progress Report is accepted and grantee is authorized to receive either withdrawals under an authorized letter of credit or is entitled to payment in the amount of \$ 434,534.00.

NAME AND TITLE (Typed)

SIGNATURE

DATE

G. Lee Teets  
Grants Management Officer, Designate

*G. Lee Teets*

January 13, 1983

11. ACCOUNTING DATA

Appropriation	C.A.N. allowance	Transaction No.	Grant No.	Vender code	Amount
75X0712	7055301	05C000018A	05C-000018-01	1416007513A5 (P-64-5448)	\$434,534.00