

TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 45

July 27, 1959

A meeting of the Campus Planning Committee was held at 8:45 a.m. on July 27, 1959 in Room 120 of the Administration Building. Members present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick and Chairman M. L. Pennington. In addition, Dean Gerald W. Thomas was present. Colonel C. P. West was absent attending a meeting of Physical Plant Administrators.

<sup>552.</sup>  
~~502.~~ Relocation of Farm Facilities

The Chairman reviewed the past actions, studies, and developments, including the trips of the inspecting parties to other colleges and universities and to PanTech, to check on possible surplus materials to be used in the relocation on the campus. Also reviewed was the request from the CPC to have the projects developed by function, number of students, curriculum, justification, cost, priority list, direction of the program for study and the development of master plans.

In addition, the report of June 15, 1959 entitled "Supplemental Report of Movement of Farm and Livestock Facilities" was reviewed. The recommendation was then discussed in detail along the following lines:

A. Meats Lab -- The estimated number of square feet is 6,200 with an estimated cost of \$350,000, approximately \$56 per square foot. Dean Thomas recommended that the laboratory be placed on the Main Campus and joined by a Livestock Pavilion. The present pavilion should be retained and the Meats Lab located in the vicinity with it.

Dean Thomas was asked if it would be possible to cut down some and save money? Dean Thomas replied that the proposed facility is smaller than any visited at other schools and that it has been scaled down. He stated that possibly it could be scaled down some more and he would check to see. He reported that the Laboratory is the key to the future and will tie the animal to the consumer. There must be adequate facilities and attempts to economize too much should be avoided as the facility is the backbone of the program.

It was agreed that the next step is to run the proposed plan through Mr. Barrick's office for possible economies and an accurate estimate of cost. The Agricultural staff is to help with the preparation as needed. The report is to be presented at a later meeting of the Campus Planning Committee and little can be done on the Meats Laboratory and other facilities until the estimated cost is known.

Dean Thomas reported that the Meats Lab should be on the College side of the freeway as it is a teaching facility which should always be on the Main Campus. The other institutions visited, he reported, have the Meats Lab on the campus.

He stated that the philosophy is to bring animals to the student. There would be little problem in doing it and it could be done on the present budget. Relatively few animals would be slaughtered. He said that the fly and odor problem could and would be handled in such a manner that no one would ever know that the animals were near the campus.

Subject to further study, it was the consensus of the CPC that the Meats Laboratory should be located on the campus in view of the information available and that it should be located somewhere west of the street running in front of the present Meats Laboratory. Further recommendation is withheld pending the outcome of Mr. Barrick's report.

552.

502. Relocation of Farm Facilities (continued)

B. Poultry Facilities -- The recommendation, estimated at \$20,000, would be necessary to provide adequate poultry facilities. No facilities are on the campus at present, due to the fact that the existing poultry buildings had to be razed to make way for the new dormitories.

The CPC agreed to accept the recommendation of the Agricultural staff, with the specification that further reductions in the amount of money be made if at all possible. Dean Thomas was of the opinion that it might be possible to produce the needed facilities for a bit less than \$20,000.

C. Others (Swine, Dairy Cattle, Horses, Sheep, Goats) -- Dean Thomas reported that he and his staff are developing further specifications for each of the above class of animals and the findings will be presented as soon as they can be prepared.

D. Pavilion -- Dean Thomas reported that the Agricultural staff would like to retain the use of the present pavilion for classes and various kinds of public meetings. He is of the opinion that there is not enough money for a new pavilion. The other one, located on the farm, is not usable for such purposes. Animals are brought to the students at the pavilion. It should be next to or connected with the Meats Laboratory but it is impossible to build a new one within the funds available. He would like to retain the present one until there are funds available to replace it and, at that time, he thinks that it should be near the Meats Laboratory. He stated that it should never go across the freeway and thereby change the existing concept of the educational program. Holding pens for the Meats Laboratory could be the present pavilion or comparable quarters in the future. He does not see how the School of Agriculture could get along without the pavilion for a period of ten years or until money is available. If a new one should be built, there would be a number of changes and modifications to modernize it and provide for easier handling of animals. It could be smaller than the present one but it would need tiered seats with an arena.

The retention of the pavilion would complicate the rest of the program in that there would be no place for Speech. The present plans calls for the pavilion to be vacated by the School of Agriculture and made available to Speech. Dean Thomas stated that, if it were available, he would prefer to give Speech some of their money to build facilities elsewhere in order that the pavilion could be retained. It was pointed out that it would be possible to leave the Speech Building for some time as the Library will miss it during the first stage of construction. It is not much of a building and will not last a great deal longer. It would detract from the Library if it is left too long on the present site. Would the best solution be to leave Speech where it is or attempt to build facilities elsewhere and allow the School of Agriculture to retain the pavilion?

E. Veterinary Science Facilities -- The Dean reported that the facilities are good, with a few exceptions, for the purpose at Texas Tech and are better than any of those they saw on the inspecting trip at any of the schools which did not have veterinary medicine. He reported that they can and will control flies and odors from the facility. He pointed out that the building is relatively new as it was constructed in 1951 and it would be impossible to duplicate the facilities for the original cost. He said that they must have the facility, or a similar one, and funds to build another are not provided in the amount allocated. The facilities should be located in the general area with the Meats Lab as it, too, is a part of the educational program.

Under the present conception, the Veterinary Science Building is to be vacated by the School of Agriculture and allocated to the Psychology Department for its headquarters. It is reported that Psychology could adequately use the facilities with the addition of a few partitions across the large, open spaces.

What will happen to Psychology if the facilities are retained by the School of Agriculture? What will Agriculture do if Psychology gets the facility?



552,

502. Relocation of Farm Facilities (continued)

F. Dairy Barns -- Nothing is included in the plans to move it so far but it is a part of the facilities to be moved across the freeway. It would be possible to take the students to the dairy cattle as the cattle are not needed as much for the instructional program as the animals that will be brought to the Meats Laboratory.

It was agreed that the Dairy Barns should be moved and that the move would be part of the plans requiring further development.

G. Staff Houses -- It was generally agreed that the present houses, southwest of the Science Building, are not worth moving. Dean Thomas reported that we should not house too much of our labor and that the number of houses should be cut to a minimum. The others can live off campus. He requested that he have time to study the project and report later.

All agreed that the area should be cleaned out, whether or not there is money to replace the houses, and the sooner the better. Additional funds would be required to replace the houses.

H. Site Improvement -- It was agreed that a good bit of site improvement is needed on this side of the freeway and the other would require a great deal also. The property must be presentable at all times and means must be made to be sure that the appearance is satisfactory and in keeping with the atmosphere of a major institution.

I. Sequence -- It was agreed that the Dairy Barn move should be completed by the time the Library is constructed and ready for occupancy. It was thought that it would be possible to move the swine and dairy cattle within the money available.

K. Farm Shop -- It was agreed that a Farm Shop would be needed in the area of the relocated facilities.

As little progress can be made until costs have been developed further, it was agreed to have another meeting when the additional information is available. The over-all problem, with the effect on other departments, is very delicate and complicated and must have the best thinking available.

It was thought that attempts should be made to allow the Speech Building to remain during the construction of the Library. It might even be possible to leave the wooden building during construction in order that the Speech Department could have one more year's use. It was pointed out that the construction of the Library would require fifteen months and several more months would be required to get construction under way.

The meeting adjourned at 11:10 a.m. The next meeting of the Campus Planning Committee is to be held at 9:00 a.m. on Tuesday, August 4, 1959, in Room 120, Administration Building.

M. L. Pennington  
Chairman

TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 46

August 4, 1959

A meeting of the Campus Planning Committee was held at 9:00 A.M. on August 4, 1959 in Room 120 of the Administration Building. Members present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick, Colonel C. P. West and Chairman M. L. Pennington.

553.  
503. Approval of Minutes

On motion by Mr. Urbanovsky, seconded by Mr. Barrick, the Minutes of Meeting Nos. 42, 43, 44 and 45 were approved.

554.  
504. President's Approval of Minutes

- A. The Chairman reported that on July 24, 1959, the President approved the Minutes of Meeting No. 44 with the following comments:  
Do we need the services of Porter Butts any more on the Union? Should he pass on the plans and specifications? The President said that he didn't know but that it seemed logical. He would like for the question of the use of Porter Butts to be considered formally by the CPC. He said that it might be well for Mr. Butts to pass on the layout for efficiency of use but to drop it if the CPC feels that it is unnecessary.

He also stated that he is worried about the use of the Veterinary Science Building and Pavilion by the School of Agriculture as the use will hinder the plans of the Speech Department and Psychology Department. Also he said that he is concerned about the fly and odor problem if the Meats Lab is located on the Campus. He wondered why it is now thought best to bring the animals to the students instead of taking the students to the animals as originally proposed. He said that the new thinking disturbs him.

He stated that the Psychology Department cannot continue in the buildings now in use and the Doctor's degree is being offered in the Department. He was under the impression that Psychology will use the Veterinary Science Building as its headquarters with only a partition across the large open room. He said that Dr. Kaplan had checked the building and had agreed.

- B. The Chairman reported that on August 3, 1959 the President approved the Minutes No. 44.
- C. On August 3, 1959 and in connection with the Minutes of Meeting No. 45, the Chairman reported that the President said that he does not know if he can provide the position of Scheduler. He thought that the position could be set-up in the Registrar's Office and he is working on it.

He again questioned the location of the Meats Lab on the Campus with the fly and odor problem. He requested that he be recorded as so stating. He said that he does not wish to question the experts but has some apprehensions.

He stated that he wanted to withhold approval of the Minutes of Meeting No. 45 until he studied the needs of Speech and Psychology and had time to talk the problem over with Dr. Goodwin and others.

555.  
505. Agricultural Plant Sciences Facilities

The Architects are working on the plans and specifications and are going to bring in the latest developments as soon as they are ready. The Department Heads have sets of the plans and are studying the location of the equipment. It is doubtful that the final plans and specifications can be ready for the meeting of the Board of Directors on August 22, 1959.

556.

506. Air Conditioning

Mr. Robert L. Mason and Mr. Ray Downing of the College Staff and Mr. Jack Roberts of Zumwalt and Vinther entered the meeting.

- A. Engineering Area -- Mr. Mason's report of July 25, 1959 to Mr. Barrick and Mr. Barrick's letter of July 28, 1959 to the Chairman were read to the Committee and were discussed at length. Both are attached to and made a part of the Minutes. Attachment Nos. 137 and 138, pages 362 and 363).

It was the consensus of the group that studied the problem that two 75 ton units would be required and that the equipment should be located in the mechanical room in the Computer-Architecture Building.

After discussion, it was agreed to recommend the location of the two 75 ton units in the mechanical room of the Computer-Architecture Building with the cost of one of the 75 ton units being charged to the Chemical Engineering-Nuclear Reactor Building and the other to the Computer-Architecture Building.

Mr. Barrick is to secure a complete estimate of cost and report it to the CPC at the next meeting.

- B. Library Area -- (The attachments in 506A pertain to this item also). The group studying the problem recommended that a chilled water station with compressors and cooling tower with an initial capacity of approximately 800 tons that would be expandable to approximately 1600 tons should be established on the Student Union site and possibly in conjunction with the expansion of the Student Union facility. Space required to handle the units would comprise a structure of approximately 40 feet by 80 feet.

The capacity and location at the Union were agreed upon. However, final recommendations cannot be made until the cost is estimated. The means to tie Library and Union to the cooling unit are known and the effect on the various Architectural contracts has been studied. It was agreed that the tunnel running from the cooling unit to the Library could be charged to the budgeted amount for utilities.

After a good bit of discussion, it was agreed that no specific recommendation is to be made until the additional studies can be completed. Mr. Barrick was requested to coordinate the studies and report to the CPC at a later meeting.

- C. Registrar's Placement's and Ex-students Offices -- Mr. Jack Roberts passed out the plans and specifications as prepared by Zumwalt and Vinther on the project. He stated that the amount is as close to the budget as possible but, due to the price increases, the cost may be as high as \$18,000.00. He stated that the Ex-students Offices could be air conditioned by an extension of the duct system from the Auditors but an estimated 16 additional tons of air conditioning will be needed to cool the Registrar's and Placement's Offices.

With the concurrence of Mr. Mason and Mr. Downing, the CPC voted to recommend that bids be taken immediately on the installation with the opening date set at August 13, 1959. Authorization from the Board of Directors has been received for the installation. The time interval was not considered too short as all agreed that a contractor could easily figure the job in a few days.

557.

507. Area South of the Administration Building

It was agreed that all the planning possible has been done on the area until further plans and needs are developed.



558.

Boiler and Housing

Mr. Barrick and Mr. Mason reported that both the boiler installation and the housing are coming along nicely. The contractors are at least on schedule and perhaps a bit ahead.

559.

Chemical Engineering - Nuclear Reactor Building

After looking at the Library model, the Architects asked to do some more work on their design. They have done a good bit of additional work and have designed a model. It was agreed that the design has been improved and that the Architects are approaching a good basic design for the project.

The architects still are trying to have the final plans and specifications ready for the Board Meeting on August 22, 1959 but it looks as if it may be impossible for them to do so as they have been unable to secure all price estimates as needed.

560.

Civic Center

President Jones' letter of July 23, 1959 addressed to Dr. W. C. Holden, Director of the Museum, is attached to and made a part of the Minutes for record purposes. (Attachment No. 139, page No. 364.)

561.

Classroom and Office Building

Mr. Barrick reported that the contractor is coming along pretty good on the project but that he is still behind schedule. The glazing is done, the roof is about 80% finished and the contractor is beginning to move cabinet work into place.

562.

Computer-Architecture

Mr. Barrick reported that the Architects are well along with the final working drawings. The drawings will be ready for the Meeting of the Board on August 22, 1959, unless the air conditioning design causes delay.

563.

Flint Street

In keeping with the request of the City and the authorization of the Board of Directors, bids were opened at 2:00 P.M. on August 3, 1959, for the chain link fence along Nineteenth Street. Only one bid was submitted. It was from Cyclone Fence of the American Steel and Wire Division of the United States Steel Corporation in the amount of \$11,666.73.

All present agreed that it is a reasonable figure and recommended the acceptance.

In the usual manner, the Chairman is to check with the Building Committee for permission to award the contract. If approved, the amount will be included in the total to be presented to the City for reimbursement in keeping with the agreement between the City and the College.

Mr. Urbanovsky presented a summary of the amount due from the City under the date of August 4, 1959. The total amount is \$76,219.40. The report is attached to and made a part of the Minutes (Attachment No. 140, and page no. 365.)

The instruments presented to the College during the Board Meeting on April 1, 1959 have all been checked out. The deeds covering the Loop 289 and the widening of Nineteenth Street have been submitted to the Secretary of the Board for inclusion in the agenda for the next meeting. The blanket easement which would have granted the Highway Department approximately 9.5 feet north of the curb line was rejected as it is not in keeping with the agreement of the Board of Directors and the City. An amendment making the easement acceptable has been presented to the City Manager with the request that approval

be received in time to include the instrument with the others going to the Board on August 22, 1959.

~~564.~~  
564. Home Management House

In order that the proposed location may be of record in the Minutes of the CPC, it was agreed that the recommended location would be south of and adjacent to the parking lot south of the President's home as shown on the area studies.

~~565.~~  
565. Library

The receipt of "Preliminary Data Brochure, A Library Building for Texas Technological College" from Mr. R. W. Pitts, the Project Architect, was acknowledged. The brochure is very good and copies will be presented to the members of the Board of Directors on August 22, 1959, when Mr. Pitts appears as requested by the Building Committee.

The CPC agreed that there is nothing further to be done by the Committee until Mr. Pitts presents his full report to the Board at the next meeting.

~~566.~~  
566. Mechanical Engineering Shops

Mr. Barrick reported that he had received no further studies from the Project Architects as yet. However, there is still hope that the plans will be ready for the meeting of the Board on August 22, 1959 although the possibility is becoming more remote.

~~567.~~  
567. Other Business

A. Tennis Courts -- For the records it was agreed to incorporate in the Minutes the statement that the Board of Directors had authorized the installation of the two concrete tennis courts on June 19, 1959, from Constitutional Building Amendment funds. Bids for the project were publicly opened on July 31, 1959 and the James E. Walker Company of Lubbock was the low bidder in the amount of \$10,548.00. On recommendation by the Campus Planning Committee, the Building Committee of the Board awarded the contract by phone to the low bidder on July 31, 1959.

B. Paving -- On recommendation of the CPC, the Building Committee of the Board on July 21, 1959 approved the paving of the street with curb and gutter between the Textile Engineering Addition and the Old Powerhouse and the road from Flint Avenue to the Veterinary Science Building with payment to come from Constitutional Building Amendment funds.

On July 31, 1959, the bids were opened and the low bidder was the Kerr Paving Company of Lubbock in the amount of \$6,839.00. On recommendation by the Campus Planning Committee, the Building Committee of the Board of Directors approved the award to the low bidder by phone on July 31, 1959.

C. Departmental Shops -- The CPC expressed concern over the increasing number of departmental shops on the Campus due to the amount of space required and the expense of operation. The Committee wonders if a central shop would not be more economical and efficient.

It was thought that the President had written a policy letter a few years back and it was agreed to check the files and make a recommendation at the next meeting.

D. Utility Services for New Buildings -- A copy of Mr. Mason's letter of July 15, 1959 is attached to and made a part of the Minutes. (Attachment No. 141, page 366).

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568.

518. Physical Plant

The summary of the Physical Plant Building was discussed in general. The Chairman reported that he had asked Mr. Libby to study the copy of the summary left with him. Mr. Libby's written observations were presented to Mr. Barrick.

It was agreed that all the departments involved have discussed the proposed plans in the Supervising Architect's Office and it is beginning to look as if a realistic scheme is about to emerge. There are still some points that need to be settled.

It is thought that the plans will not be ready by the August 22, 1959 meeting of the Board, but there probably will be some studies which should be presented to the Board for approval.

569.

519. Psychology

It was agreed that nothing further can be done by the Committee pending receipt of cost information on the Meats Lab and the report from the President on his study.

570.

520. Relocation of Farm Facilities

The Presidents concern over the recommendation that the Meats Lab be included in the Campus proper was discussed again. It was pointed out that all of the animal facilities are to be moved across the freeway as time and funds permit. The plan is to bring only a few cattle back to the campus from time to time for educational use. There would never be more than a few head of animals in the Meats Lab at one time.

It was agreed that nothing further can be done on the relocation until the cost estimate has been received and results of the President's study on Speech and Psychology is known.

571.

521. R.O.T.C.

Colonel C. P. West stated that he thought it would be possible to have a recommendation to the Committee for temporary housing of R.O.T.C. during the construction period.

572.

522. Science Addition

The three Science Department Heads are working on the recommended solution in keeping with Dr. Goodwin's request.

573.

523. Space Utilization

- A. Class Sizes -- Miss Clewell stated to the Chairman on July 31, 1959, that if needed she could furnish an analysis of class sizes for the coming year. She said that she could design the forms in such a manner that the information would be gathered with a minimum of difficulty.

The CPC feels that the information will be very helpful and requested that Miss Clewell proceed. Also, the CPC wishes officially to express its gratefulness to Miss Clewell for her very splendid aid during the entire existence of the Committee.

- B. Size of Classrooms -- Mr. Haley, Chairman of the Building Committee, has from time-to-time expressed some concern over the need for large classrooms on the Campus to handle larger sections in courses conducive to large sections. In addition he wrote Mr. Barrick a letter on July 24, 1959, with copies to the other members of the CPC, again expressing his concern over the size of the classrooms which will affect the planning of the building.

Mr. Barrick reported that he had just about finished a survey of the Department Heads on the number and size of courses that can be taught in large sections. He is of the opinion that the results will soon be tabulated and available.



*8/19/59. C. H. J. aid definitely in money. If we could find where these are located.*

Scheduler -- After discussion of the President's statement under the item of President's approval of Minutes, the CPC wondered if it might not be better to set-up the proposed scheduler at an administrative level, independent of the Registrar's Office. *If can be developed physically, it would be better.*

574. Speech

The last thought of the CPC was that the Speech Building could remain on its present location until the Library is completed in order to afford some additional use to the Speech Department. As President Jones is checking on the possible use of the Pavilion for the School of Agriculture rather than Speech, it was agreed that there is nothing further for the CPC to do until the President's ideas are known and the estimate is available on the cost of the Meats Lab.

575. Stock Judging Pavilion

It was agreed that there is nothing further for the CPC to do until the President's study is completed and more is known of the cost of the Meats Lab.

576. Student Union

The President's request for consideration of Mr. Porter Butts was discussed at length. It was agreed that Mr. Butts' ideas and recommendations have been very helpful and are incorporated in the proposed plan for the Union. Much of the Union program has been set by the Board of Directors by the inclusion of the Ex-students Office and Faculty Club in a project without a swimming pool or bowling alley. It is felt that there is insufficient justification to re-enter a contract with Mr. Butts.

577. Textile Engineering

Mr. Barrick reported that the Contractor is still making very good progress. It looks as if the remodelled portion will be ready for the start of school in September and the classrooms and offices in the new part will be ready about October 15, 1959. Much of the equipment has been installed in the Spinning Plant.

578. Veterinary Science

This project also is dependent on the President's findings and the amount of money available after construction of the Meats Lab.

579. Women's Gymnasium

The Architects have requested permission to revise the sketches after seeing those on the proposed library. They have done a good bit of study and are making progress. It looks as if they will soon have the proper answers. There is a possibility that final plans and specifications may be ready in time for the meeting of the Board of Directors on August 22, 1959.

The meeting adjourned at 12:15 P.M. The next meeting is to be called by the Chairman.

M. L. Pennington  
Vice President and  
Comptroller

Campus Planning Committee  
 August 4, 1959  
 Attachment No. 137  
 Item ~~506~~ - A and B  
 556

TEXAS TECHNOLOGICAL COLLEGE  
 Lubbock, Texas

Office of the Supervising  
 Architect

July 28, 1959

Mr. M. L. Pennington  
 Vice President & Comptroller

Dear Mr. Pennington:

Re: Air Conditioning

In line with the recent action of the Campus Planning Committee, Mr. Urbanovsky, Mr. Mason, and I met with Mr. Ross Zumwalt with the view of determining which steps should be taken to implement an over-all campus air conditioning program. Our discussions were largely slanted to the immediate problems concerned in the establishment of two chilling stations in the vicinity of the Student Union-Library area and the West Engineering area.

It was the concensus that the following should be explored as the most desirable approach.

1. A chilled water station with compressors and cooling tower with an initial capacity of approximately 800 tons that would be expandable to approximately 1600 tons should be established on the Student Union site and possibly in conjunction with the expansion of the Student Union facility. This site is desirable because it is central to all of the facilities in the area which it will ultimately serve. The steam tunnel from that area to the Administration Building is adequate for the addition of chilled water lines. The noise factor attendant to such a mechanical installation would not be objectionable near the new kitchen area of the Student Union expansion.

The group was unanimous in this first recommendation. A number of alternate possibilities were explored but none contained the advantages that exist on the Student Union site.

2. The establishment of a chilled water substation in the West Engineering area was not so easily solved. The immediate capacity required for the Nuclear Reactor and Computer facilities is extremely modest and it was felt that little would be gained by attempting to establish a central substation at this time. It is our feeling that such a substation would best be integrated with the Nuclear Reactor Building but there is a distinct possibility that the construction of this building will be delayed so that air conditioning would not be available for the Computer Center.

Unlike the Student Union-Library area where the relative immediate expansion can be anticipated, it is felt that in the West Engineering area there might be a lapse of some years before expansion could take place. It was, therefore, felt by the group that it would be best to accommodate the immediate load in the basement of the Architecture-Computer Building as originally intended and to delay the establishment of the chilling water substation until expanded demands in the area were more definite.

I am enclosing herewith a copy of a letter from Mr. R. L. Mason which explains the details on this latter item quite fully.

We should like to proceed with our planning of current projects on the basis of the foregoing recommendation.

Very truly yours,

Nolan E. Barrick, AIA  
 Supervising Architect

cc: Mr. E. J. Urbanovsky  
 Mr. C. P. West  
 Mr. R. L. Mason

Campus Planning Committee  
 August 4, 1959  
 Attachment No. 138  
 Item ~~506~~ - A and B  
 556

Office of the  
 College Engineer

C O P Y

July 25, 1959

Mr. Nolan E. Barrick  
 Supervising Architect  
 Campus

Dear Mr. Barrick:

By this communication, I wish to present further justification for my recommendation of 7-21-59, that the water chilling equipment for the Nuclear Building and Computer-Architecture Building be located in the equipment room of the Computer-Architecture Building.

I checked again with Mr. L. H. Kirby and verified that there is sufficient space in the basement equipment room of the Computer-Architecture Building to accommodate water chilling equipment, including the evaporative condenser equipment.

I checked with engineers who handle the Carrier line of equipment to learn expected costs of a number of sizes of equipment which might apply to the needs of the College.

I checked further into the expected cooling loads of the buildings which require temperature control (re: CPC Minutes of 7-16-59, Item 526).

I recommend that Mr. Kirby be authorized to include with his building design two (2) reciprocating water cooling machines (Carrier Model 30D75, or equal), complete with evaporative condenser and other appurtenances necessary for the operation.

The cooling load requirements of the Nuclear Building are more predictable than are those of the Computer Building. The two units, recommended above, will handle the estimated loads and will give the necessary flexibility to the system serving both buildings.

It is apparant at this time that it is impossible to determine the ultimate loading or the ideal permanent location of equipment for a central chilling water system which may ultimately serve the buildings of the engineering area. Absorption refrigeration equipment to serve the present loading would require a sizeable cooling tower, located external to the buildings. This cooling tower would greatly increase the first cost of the cooling equipment and would, of necessity, have to be given its permanent location when first installed.

The two units, which I have recommended, can be integrated into a future central chilling station of any capacity for the engineering area. They could do this and remain in the equipment room location of the Computer-Architecture Building, even though the central chilling station be located several hundred feet away, in any direction. The two units could likewise be removed from the equipment room location, at some future time, and be reinstalled elsewhere to handle a load. The point is that the College may expect full return on the initial investment for this equipment, whether it should remain throughout its life in this equipment room, or be later transferred to another location to better fit into the air conditioning program as determined at that time.

Yours very truly,

Robert L. Mason  
 College Engineer

RLM:mm

cc: All members of the CPC  
 Mr. O. R. Downing



Campus Planning Committee  
August 4, 1959  
Attachment No. 139  
Item ~~520~~ 560

TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

Office of the  
President

July 23, 1959

Dr. W. C. Holden, Director  
The Museum  
Campus

Dear Dr. Holden:

This is a follow-up of our correspondence of the past month, approximately, on the subject of the location of the Museum. I am writing now to report the trend of discussion at the meeting of the Building Committee of the Board of Directors held in Lubbock on July 21.

In my letter of July 15 to Mr. Pennington, with carbon copy to you, I stated, "For the record, I record my concurrence in Dr. Holden's suggestion that the location of the Physical Plant Facilities be made without reference to a possible future Museum site". The Campus Planning Committee has, at least tentatively settled upon a site sufficiently far south along the west side of Flint Street to permit a considerable installation whether Museum, or some other, to the north.

I mention this because of the general disposition on the part of the members of the Building Committee of the Board to seriously question the location you have proposed for the Museum at 19th and Boston. With further reference to keeping the possibility along the west side of Flint Street open, one point of discussion covered the possibility of dedicating the portion of Flint Street from the intersection with 6th to the Museum site though the continuation of Flint southward toward 19th might not be so dedicated.

In summary, the discussion and correspondence thus far boils down, in my opinion, to leaving the location of the Museum site a completely open and as yet unsettled question. I want to have this as my view entered in our correspondence in view of the fact that I shall not be privileged to participate officially in the discussions on this subject after the first of September.

Yours very truly,

E. N. Jones  
President

ENJ:na  
cc: Mr. M. L. Pennington

Campus Planning Committee  
 August 4, 1959  
 Attachment No. 140  
 Item ~~513~~ 563

TEXAS TECHNOLOGICAL COLLEGE  
 LUBBOCK, TEXAS

Department of Horticulture  
 and Park Management

August 4, 1959

Memo to: Elo J. Urbanovsky

From: William M. Gosdin

Reference: Money owed to Texas Technological College by the City of Lubbock as per agreement authorized by Item No. 2151 of the minutes of the meeting of the Board of Directors, held on July 8, 1958; the Executive Committee met with the Mayor and members of the City Commission.

- |         |  |              |
|---------|--|--------------|
| Item 1. | Construction of Flint Street<br><u>As built cost</u>   | \$ 53,552.67 |
| Item 2. | Install a chain-link fence on 19th Street to replace present fence. Bid price by Cyclone Fence Company, August 3, 1959.<br>(Plans and specifications were distributed to F & L Fence Company and Pioneer Fence Company. Cyclone was the only bid). Bid price will be valid until February 1960, if awarded immediately. Construction will be at any time designated by the College within this period. | 11,666.73    |
| Item 3. | The City is to pay the College a cash payment for replanting trees, remodelling sprinkler system and other damages.  | 11,000.00    |
|         | Total amount receivable from City  | \$ 76,219.40 |

The above sum represents only the money involved in the agreement. The City will still need to provide signal lights and furnish tie-ins for ingress and egress from the Campus at Boston and Flint Avenues as per conditions of agreement.

Campus Planning Committee  
August 4, 1959  
Attachment No. 141  
Item ~~517-E~~  
567-D.

TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

Office of the  
College Engineer

July 15, 1959

Mr. M. L. Pennington  
Chairman, Campus Planning Committee  
Campus Mail

Re: Utility Services for  
new Buildings.

Dear Mr. Pennington:

Architectural Firms have been engaged to design a number of new buildings for the College. Some of these buildings will be located relatively adjacent to adequate utility services, others will be some distance away and other buildings will be located at a considerable distance from existing services.

It appears that a decision should be made regarding handling the design of utility services for these buildings.

I suggest that in instances where the new building is essentially adjacent to adequate existing services the building contract should include all work necessary for getting the services into the building. On the other hand, where the services are some distance away, it would be to the advantage of the College to handle the extensions of utilities in one or more separate contracts.

To further explain the above, the Mechanical Engineering Shops Building will require a very minor amount of utility work external to the building, hence the building design should include complete handling of all services. The Computer-Architecture and Nuclear-Chem. Engr. buildings have necessary water, gas and sewer lines adjacent, but adequate electrical services will involve an appreciable expenditure. The Physical Plant Building and Women's Gym, to a lesser extent, will involve bringing all services for some distance.

It appears that the College should plan to engage a qualified consulting engineering firm during the early part of this fall to prepare plans and specifications for all necessary electrical services to all buildings requiring same. The work could then be done on a package basis by an electrical contractor for considerable savings over the cost for each building to include this work in its contract.

Services of a mechanical nature should be handled similarly. This would include water, gas, sewer, and steam supply and return. Provisions for telephones and for clocks and bells would be included with the appropriate of the above projects. For some sections of the Campus it would be a part of the mechanical, and for certain sections the telephone and clocks and bells services should logically be handled with the electrical contract.

Such a plan as this would provide the College with the most suitable long-range system of distribution for its utilities, and for the least cost.

The final design of the high voltage electrical service for the new stadium should be included with the electrical design mentioned first above. The present stadium contract utalizes the existing East overhead distribution out of the Heating Plant. This is due to the fact that during the stadium design (almost one year ago)



Mr. M. L. Pennington

July 15, 1959

Page 2 of 2 Pages

it seemed logical to locate the Physical Plant Building in the area now occupied by maintenance buildings and that a new switch gear room should be a part of the new building, which switch gear room should house the switch gear and provide the origin of the circuit for the stadium with its expanded load. With the Physical Plant Building to be located west of Flint and the Heating Plant being given its permanent covering, the design of the primary electrical services between the Heating Plant and Stadium can be made. A few more of the power poles would thereby be eliminated from the Campus.

Should you wish to discuss this matter further, please let me know.

Yours very truly,

Robert L. Mason  
College Engineer

RIM:mm

cc: All Members of CPC.

TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 47                      August 20, 1959

A meeting of the Campus Planning Committee was held at 8:45 a.m. on August 20, 1959 in Room 120 of the Administration Building. Members present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick, Colonel C. P. West and Chairman M. L. Pennington.

580. Approval of Minutes

On motion by Colonel West, seconded by Mr. Barrick, the Minutes of Meeting No. 46 were approved with the following corrections:

"Page 352, beginning with Item 500, change this item to 550 and number succeeding items through page 361, making the new items end with Item 579.

"Attachments: Page 362, Attachment No. 137 should be Item 556 - A and B instead of Item 506 - A and B.

"Page 363, Attachment No. 138 should be Item 556 - A and B instead of Item 506 - A and B.

"Page 364, Attachment No. 139 should be Item 560 instead of Item 510.

"Page 365, Attachment No. 140 should be Item 563 instead of Item 513.

"Page 366, Attachment No. 141 should be Item 567 - D instead of Item 517 - E."

All persons receiving copies of the Minutes are requested to make the changes in their copies.

581. President's Approval of Minutes

The Chairman reported that on August 18, 1959, the President approved the Minutes of Meeting No. 46, with the statement again that he wants his reservations on the location of the Meats Laboratory on the campus recorded, with a hope that a mistake will not be made in the location.

In connection with Item No. 526 (corrected to Item 576), the President thinks that it would be well for Porter Butts to review the plans on the Student Union Addition to check for "bugs" and that it would be worth a small additional fee, if necessary, for him to do so.

He stated that he needs additional time to complete his study of the needs of Psychology and Speech, as affected by the Agricultural Program, and that he will complete his study prior to his departure.

582. Agricultural Plant Sciences Facilities

- A. The final plans and specifications are scheduled to be ready in time for the meeting of the Board of Directors on October 3, 1959.
- B. The Department Heads and Dean have completed their studies and approved the project layout.
- C. After reviewing the utility lines needed to reach the project, the CPC approved the recommendation that the project be moved approximately 200' east to line up with the back line of the first part of the Library. The move may save as much as \$20,000 on the utility tunnel and will cause no complication in the use of the project. Any addition to the project can be added on the west end as well as the east and, in time, the Greenhouses will have to be moved and it would be better to have entomology near the Greenhouses.

583. Air Conditioning

The Chairman reported that President Jones had requested the CPC to present the air conditioning of the Registrar's, Placement and Ex-Students Offices to the Building Committee of the Board of Directors prior to the Board meeting. The item appears as No. 30 in "Other Matters for Consideration" in the Agenda of the Board.

The reason for the President's request is that the low bid is approximately \$6,000 above the estimate and he would like to have it evaluated by the Building Committee prior to presentation to the Board.

584. Boiler and Housing

Mr. Barrick reported that the construction is progressing to the complete satisfaction of the College.

585. Chemical Engineering and Nuclear Reactor Building

- A. Colonel West reported that the question raised by the Engineer of the University of Oklahoma on the amount of air conditioning required for a reactor, has been cleared up.
- B. It was agreed that the exterior design of the project has been greatly improved by the architects and recommended that the architects be invited to the meeting of the Building Committee of the Board to explain the philosophy of design and present the developments.
- C. The final plans and specifications are scheduled to be ready in time for the meeting of the Board of Directors on October 3, 1959.

586. Classroom and Office Building

- A. Mr. Barrick reported that the progress on the project is extremely slow and that he has been unable to accelerate the pace after repeated attempts.
- B. The Chairman reported that sufficient information to purchase the equipment for Business Administration is still missing.  
  
As it will probably be too late to wait until the October 3, 1959 meeting of the Board to order the equipment, it was agreed that the problem would be presented to the Building Committee with the hope that it might be permissible to requisition the equipment (with the permission of the Building Committee) as soon as the information is available.
- C. Mr. Barrick reported that the architect has requested parking space for 150 cars for the construction workers on the project at the beginning of the school term. It was agreed that Mr. Barrick would ask the architect to see if the present storage area could be used for parking. If not, it would be permissible for a restricted amount of spaces to be provided on the lot west of the project, with the understanding that any additional parking spaces would be in the vicinity of the Stadium.

587. Computer - Architecture

- A. At the last meeting, the Building Committee asked Dr. R. C. Goodwin to survey the need for computer space and present his findings at the next meeting of the Board.

It was felt that it would be well to present Dr. Goodwin's report to the Building Committee in case the Committee would prefer to make a recommendation to the Board.

587. Computer - Architecture (continued)

- B. The question was raised as to whether or not it would be possible for the airplane to remain at its present site, in view of the problem of construction material storage. Colonel West was requested to investigate the problem with the Air ROTC and to bring his findings to the next meeting of the CPC.
- C. The request of the Building Committee to take an alternate on the Computer bay, 62' x 70,' is incorporated in the plans.
- D. Only very slight changes have been made in the floor plan as the final plans and specifications have been developed and refined. The philosophy of design and the use of color, tile screens, and stone trim were discussed carefully. It was agreed to request the architects to recolor the sketch to conform as closely as possible to the proposed colors and to ask Mr. Kirby, of Haynes and Kirby, to be present at the meeting of the Building Committee in order to contribute his views and to be available for explanations.
- E. The CPC voted to recommend the acceptance of the plans and specifications to the President and the Building Committee, with the further recommendation that, if accepted by the Committee and the Board, ads be run immediately and bids be taken at the October 3, 1959 meeting, if possible. It was agreed that the time may be too short and that it should be discussed with the Building Committee and the architect.

588. Flint Street

All of the instruments now conform as closely as possible with the agreement between the Board of Directors and the City of Lubbock and are included in the Agenda for the Board of Directors.

The City of Lubbock will reimburse the College for the total amount agreed upon as soon as the instruments have been approved.

589. Library

It was agreed that there is nothing new to present on the Library other than to remind the Building Committee of the Board that Mr. Pitts, in keeping with their request, is to appear before the Board of Directors to present the development of the Library project. Mr. Zumwalt of Zumwalt and Vither, will attend with Mr. Pitts.

590. Mechanical Engineering Shops

- A. The plans and specifications will not be ready for the Board meeting on August 22, 1959 and it is hoped that they will be ready in time for the meeting on October 3, 1959.
- B. The Campus Planning Committee requested the Chairman to check with Mr. Atcheson, of the Project Architects, in an attempt to determine the cause for delay and to attempt to expedite the preparation of the final plans and specifications for the project.

591. Other Business

- A. Tennis Courts -- Mr. Urbanovsky reported that one of the courts has been poured and that the courts should be finished in approximately two weeks.
- B. Street Paving -- Mr. Urbanovsky reported that the streets between the Textile Engineering Addition and the Heating Plant and from Flint Avenue to the Veterinary Science Building have been laid out and construction is due to start immediately. Both streets should be completed in time for the opening of school.



591. Other Business (continued)

C. Legislative Appropriations -- The Chairman reported that the following items appear in the Appropriation Bill as passed by the Fifty-Sixth Legislature for 1959-60:

- |   |          |
|---|----------|
| 1. Reroofing 18 temporary buildings   | \$ 6,464 |
| 2. Improve lighting facilities in classrooms, laboratories and offices of the Agriculture Building    | \$10,290 |
| 3. Replace gas line to farm   | \$ 4,500 |
| 4. Rehabilitate Herd and Farm Houses and Poultry Laboratory Building                                  | \$ 4,000 |
| 5. Repointing stone and brick work and waterproofing exteriors of the Science and Chemistry Buildings | \$41,800 |

Mr. Barrick, Colonel West and Mr. Mason were requested to start work as soon as possible on the installation, timing and method of replacement of the lights in the Agriculture Building and to report to the CPC. The study is to include a recommendation as to whether or not the work should be contracted or done by the Building Maintenance Department.

Mr. Barrick, Colonel West and Mr. Mason were requested to start proceedings to repoint the stone and brick work and waterproof the exteriors of the Science and Chemistry Buildings, with the waterproofing of the east wall of C-101 as first priority. Water is, again, coming through the wall of C-101. The recommendations are to be made to the CPC as soon as possible.

592. Physical Plant Facilities

- A. The Department Heads are studying the layouts for inclusion in the development of the final plans and specifications. In addition, the Project Architects are working on the final refinements.
- B. The final plans and specifications are to be completed in time for presentation to the Board of Directors at the meeting on October 3, 1959.

593. Printing Press

Due to the fact that the Printing Press complicates the present stage of development of the Physical Plant Facilities, it has been omitted for the time being. It will now receive study and attention.

594. Psychology

- A. The Chairman reported that the President has not completed his study and had said that it would be presented later.
- B. It was agreed to hold bids on the oxychloride floor until Dr. Jones has completed his study of the needs of Speech and Psychology, as it may be uneconomical to spend \$3,000 to recondition the floor if the building has to be abandoned in the near future.

595. Relocation of Farm Facilities

- A. The Chairman reported that, as requested, Dr. Durham is having the farm employees vacate the residences in the vicinity of the Science Building and that it will be necessary for the CPC to consider the disposition of the buildings as soon as the houses are vacant. Mr. Urbanovsky was requested to check with Dr. Young to see if he is making arrangements for his employee to vacate the departmental house in the same area.
- B. The revised estimates on the Meats Laboratory are not ready as yet but will be made as soon as possible.

596. ROTC

- A. It was agreed that the present Rifle Range will be retained during the construction of the Computer - Architecture Building as the Army ROTC must have a Range. The use of the present structure, over the Rifle Range, should remain no longer than is essential as it will cause complications with the efficient operation of the new project in addition to creating an unsightly appearance. Plans should be made for a permanent Rifle Range as soon as possible, and it should be ready by the time the old library is available for use by ROTC.
- B. Colonel West reported that the temporary buildings (X-3 and X-4) have been completed to meet the requirements of the Military Science except for four Venetian blinds which are on order.

These buildings have been painted inside and partitions moved or constructed. Security storage in X-3 has been provided. Air conditioners and drinking fountains have been moved from M-1 to new locations. Five hundred and seventeen man-hours and \$206.19 of materials have been used for the renovation of X-3 and X-4 to accommodate the ROTC.

Other buildings involved in the move are X-8, X-9, X10, No. 70 and the south wing of the ROTC administration space. X-8 is to be moved just east of building X-4 at college expense (estimated cost \$195), unless it will be possible to eliminate the Mars Station.

It looks as if it will be possible to sell X-9, X-10 and No. 70. The south wing of the ROTC administrative space will be dismantled by the contractor of the Computer - Architecture Building, due to the existence of a basement underneath.

Colonel West was requested to check on the possibility of eliminating the need for X-8 and to continue the adaptations for the ROTC as the development of the Computer - Architecture project demands.

597. Science Addition

Mr. Barrick reported that representatives of the three Science Departments have been working on the project development and have submitted preliminary suggestions and requirements to him. The prospects of finding a workable solution seem to be bright.

598. Speech

The Chairman reported that the President's findings have not been completed to date.

599. Student Union

- A. Mr. Barrick reported that it was necessary to delay some of the plans for the project until the Library could be developed enough to be used in the development. The architects now have the information on the Library and Union from the College and have been requested to complete the preliminary plans and specifications in time for presentation to the Board of Directors on October 3, 1959.
- B. It was agreed that the CPC would take a look at the tentative plans at the next meeting.
- C. The Chairman reported that the preliminary application and reservation of funds have been approved by the Regional HHFA Office in Fort Worth, with the understanding that it is subject to the availability of funds. The full application is to be completed and presented within ninety days with the same reservation.

600. Textile Engineering

Mr. Barrick reported that the contractor is still making excellent progress and it looks as if the remodeled portion will be ready for the opening of school and the new addition one month thereafter.

601. Women's Gymnasium

- A. The revised design, by the architects, was studied and the CPC is of the opinion that it is a marked improvement. It was agreed to recommend the acceptance of the design, subject to a few refinements.
- B. It was agreed to recommend that the architects be invited to present the design to the Building Committee on August 21, 1959.
- C. The final plans and specifications are to be checked with Dr. Dabney Head of the Women's Physical Education Department, and presented to the Board for approval on October 3, 1959.

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President Jones entered the meeting at 2:45 p.m. to discuss the part of his final message to the Board pertaining to building designs.

The meeting adjourned at 3:40 p.m., with the next meeting to be a joint meeting with the Building Committee of the Board of Directors at 4:00 p.m. on August 21, 1959 in the Office of the President.

M. L. Pennington  
Chairman

PROPOSED AGENDA FOR THE MEETING OF THE BUILDING COMMITTEE OF THE BOARD  
TO BE HELD AT 4:00 P.M., AUGUST 21, 1959 IN THE OFFICE  
OF THE PRESIDENT, TEXAS TECHNOLOGICAL COLLEGE

602  
1. - (582.) Agricultural Plant Sciences

Consider recommendation of the Campus Planning Committee to move the location of project approximately 200' east to line-up with the back line of the first part of the Library. It will save approximately \$20,000 on utility tunnels as well as provide other benefits.

603 2. (583.) Air Conditioning Registrar's, Placement and Ex-Students Offices

President Jones has requested that Item No. 30 in the Agenda for the meeting of the Board of Directors be considered by the Building Committee, due to the fact that the bids have come in substantially above the estimated amount.

604 3. (585.) Chemical Engineering and Nuclear Reactor

It is recommended by the CPC that the Building Committee view the refined exterior design of the project, with the architects to be present. Caution on air conditioning.

605 4. (586.) Classroom and Office Building

As it looks as if the information for the purchase of equipment for the project will be unavailable until after the meeting of the Board on August 22, 1959 and it possibly will be too late to wait until the October 3, 1959 meeting to requisition the equipment, the CPC would like to know if the Building Committee would consider approving the amounts for equipment during the interim between the Board meetings.

606 5. (587.) Computer - Architecture

- A. The CPC recommends that the Building Committee view the refined design with Mr. Kirby, of the project architects, present.
- B. The CPC recommends consideration of the final plans and specifications and, if approved, permission to run ads and open bids at the October 3, 1959 Board meeting, if possible. It may be that the time is too short and it is recommended that the question be discussed with the Building Committee and the architect.

C. Consider Dr. Goodwin's report - discuss it.

Approved  
Jones  
Board action  
necessary?  
OK  
submitted  
to Bd.  
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recommend for  
and recommend  
to Bd.

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607 6. (589.) Library

info - In keeping with the request of the Building Committee, Mr. Pitts has been asked to be present at the meeting of the Board on Saturday, August 22, 1959, to present the progress on the Library. He will be accompanied by Mr. Zumwalt of Zumwalt and Vinther. ✓

608 7. (591.) Other Business

A, Legislative appropriation for major repairs and rehabilitation for 1959-60

- 2 1. Reroofing eighteen (18) temporary buildings, \$ 6,464
- 3 2. Improve lighting facilities in classrooms, laboratories and offices of the Agriculture Building, and other buildings. \$10,290
- 4 3. Replace gas line to farm areas \$ 4,500
- 5 4. Rehabilitate Herd and Farm Houses and poultry laboratory building \$ 4,000
- 6 5. Repointing stone and brick work and water-proofing exteriors of Science and Chemistry Buildings \$41,800

request C. J. to make study & report at next meeting  
The CPC recommends that action on Items 1, 3 and 4 be delayed

until additional studies can be made, in view of the contemplated changes in the relocation of farm facilities and that Items 2 and 5 be implemented as soon as possible.

Discuss means of implementing Items 2 and 5 between the Board meetings if the preparations can be completed.

609 8. (601.) Women's Gym

eliminate glass  
Consider the revised sketches of exterior design with the project architects present.

610 9. B Sold ROTC buildings for

J. R. Lewis of Lbb - high ladder

X-9 - \$600

X-10 - 600

#70 - 250

\$1,450

all  
more + least eight - by purchases -

TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 48

August 21, 1959

A joint meeting of the Building Committee of the Board of Directors and the Campus Planning Committee was held on August 21, 1959 at 4:00 p.m. in the Office of the President. Members of the Building Committee present were Mr. Harold Hinn and Mr. James L. Lindsey. Other Board members present were Mr. C. I. Wall, and Mr. Floyd A. Wooldridge for a part of the meeting. Members of the Campus Planning Committee present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick, Colonel C. P. West and Chairman M. L. Pennington. Others present were Dr. E. N. Jones, Dr. R. C. Goodwin, Mr. Robert L. Mason and Mr. John G. Taylor.

602. Agricultural Plant Sciences

The ~~Campus Planning~~ <sup>Building</sup> Committee approved the recommendation of the CPC that the project be moved approximately 200' east to line up with the back line of the first part of the Library.

603. Air Conditioning Registrar's, Placement and Ex-Students Offices

The Building Committee voted to recommend to the Board of Directors the acceptance of the low bid of Sam Ainsworth and Company of Lubbock, in the amount of \$20,645 for air conditioning the Registrar's, Placement and Ex-Students Office in keeping with the plans and specifications prepared by Zumwalt and Vinther, Project Engineers, the amount to be paid from the Unappropriated Balance.

604. Chemical Engineering and Nuclear Reactor

The Building Committee approved the refined exterior design of the project, with a word of caution to provide ample air conditioning for the Reactor portion in view of the glass walls.

Mr. Howard Schmidt, Mr. M. L. Stiles and Mr. Hoyce McMurtry were present at the meeting to discuss the item.

605. Classroom and Office Building

The Building Committee voted to defer action, on the recommendation of the CPC, that provisions be made to requisition the equipment between Board meetings, if the information should become available, until the special meeting of the Board of Directors tentatively scheduled for September 5, 1959.

606. Computer - Architecture

- A. The Building Committee of the Board approved the refined design for the project.
- B. The Building Committee voted to defer action, on the recommendation of the CPC, that final plans and specifications be accepted and, if approved, ads be run and bids opened at the meeting on October 3, 1959, until the special meeting of the Board of Directors tentatively scheduled for September 5, 1959.
- C. The Building Committee of the Board discussed Dr. R. C. Goodwin's report on the Computer bay.

607. Library

The Building Committee agreed that Mr. Pitts, of Pitts, Mebane and Phelps, should make his report directly to the Board.

608. Other Business

- A. Major Repairs and Rehabilitation -- The Building Committee of the Board voted to defer action on Items 2 and 5 of "Major Repairs and Rehabilitation" until the special meeting of the Board tentatively scheduled for September 5, 1959.
- B. Sale of ROTC Buildings -- The Building Committee of the Board of Directors approved the recommendation of the Campus Planning Committee that the following War Surplus Buildings be sold to Mr. J. L. Davis of Lubbock, the high bidder, in the amounts as follows:

X-9	\$ 600
X-10	\$ 600
No. 70	<u>\$ 250</u>
Total-	<u><u>\$1,450</u></u>

The purchase price includes the removal of the buildings from the college premises.

609. Women's Gymnasium

The Building Committee approved the revised sketches of the exterior design, with the request that the glass in the walls of the gymnasium portion be eliminated.

The meeting adjourned at 6:00 p.m., with the next meeting to be called by the Chairman as the next several weeks must be devoted to budgeting.

M. L. Pennington  
Chairman

TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 49      September 15, 1959

A meeting of the Campus Planning Committee was held at 3 p.m. on September 15, 1959 in Room 120 of the Administration Building. Members present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick, Colonel C. P. West, and Chairman M. L. Pennington.

610. Approval of Minutes

On motion by Colonel West, seconded by Mr. Barrick, the Minutes of Meetings No. 47 and No. 48 were approved.

611. President's Approval of Minutes

The Chairman reported that President Jones approved the Minutes of Meetings No. 47 and No. 48 on August 25, 1959.

612. Agricultural Plant Sciences Facilities

Mr. Barrick reported that the architects have done a great deal of work and are to submit the progress to the CPC for approval in the near future.

613. Air Conditioning

- A. Sam Ainsworth and Company of Lubbock, was the low bidder on air conditioning the Registrar's, Placement and Ex-Students Offices for the sum of \$20,645.00 to be paid from the Unappropriated Balance. The contract has been approved by the Board of Directors.
- B. Mr. Barrick reported that the time schedule is to be worked out with the contractor. The preliminary plans are for work to be done during the fall and completed during the Christmas Holidays in order to provide a minimum inconvenience to the operation of the offices.

614. Boiler and Housing

Mr. Barrick reported that the boiler installation is just about complete. The steel framework is in place for the house. The siding for the house has been manufactured and loaded but the Teamsters Union will not allow it to be shipped as the Teamsters are in sympathy with the steel strike. The siding is scheduled to be received one week after the steel strike ends.

615. Chemical Engineering and Nuclear Reactor Building

- A. Mr. Barrick reported that he believes the last bit of information from Convair has been received and forwarded to the architects. The working drawings are approximately 60% complete.
- B. The Chairman reported that Dean Bradford had requested Dr. Goodwin, President, to forward a Letter of Intent to Convair-Fort Worth, to authorize the preparation of the Hazard Summary Report. Apparently, all preliminary work for the authorization has been done with the possible exception of Board approval.

616. Classroom and Office Building

- A. Progress on the construction of the project is proceeding extremely slow and the Supervising Architect has repeatedly requested that the contractor employ sufficient mechanics to complete the project in a reasonable time without noticeable results.



616. Classroom and Office Building (continued)

- B. Display Room -- In keeping with the instructions of the Board of Directors to provide as many large classrooms as possible in the new buildings, the Building Committee of the Board authorized the reconversion of the large room from a display room to a classroom. It was determined that all of the roughing-in can be done for the sum of \$3,023.00 and thereby provide for all utilities if the room should ever be used for a display room when adequate large classrooms become available on the campus.

The original change order has been canceled and a new one issued for a savings of \$7,290.00.

617. Computer - Architecture

- A. The final plans and specifications were approved by the Board of Directors at the last meeting, advertisements are being run and the plans are out for bidding. Everything is proceeding on schedule.
- B. Colonel West reported that the site will be cleared by October 1, 1959 and that the clearance is well along at this time.

618. Flint Street

The City of Lubbock is ready to pay the College in keeping with the terms of the Agreement as soon as the approved instruments have been received.

619. Library

- A. The Chairman reported that Mr. Pitts has requested official authorization to proceed with the final plans and specifications in keeping with the action of the Board at the meeting on August 22, 1959. It was agreed that an official excerpt from the Minutes of the Board of Directors would be sufficient for the authorization in keeping with the verbal instructions from the Board of Directors. Mr. Pitts has been working on the final plans and specifications during the interim.
- B. Mr. Barrick reported that the plans are coming along on schedule and it is expected to take four months to complete the plans and specifications from August 22, 1959.

620. Mechanical Engineering Shops

- A. Mr. Barrick reported that the Project Architects would like to appear at the next meeting of the Campus Planning Committee to present sketches.
- B. After reviewing the latest sketches from the Project Architects, the CPC asked Mr. Barrick to request the architects to make additional sketches and to present them at the next meeting of the CPC to be held at 8:30 a.m. on Tuesday, October 1, 1959. Due to the members being out of town, October 1, 1959 will be the first possible date. The architects are to be invited to present their designs at that time.

621. Other Business

- A. Traffic and Security -- The request from Dean Lewis N. Jones, Chairman of the Traffic and Security Commission, and Chief Daniels, to exclude the headquarters for the Traffic and Parking Service from the Physical Plant Facilities due to the distance involved to the campus proper, was fully discussed.

After very careful consideration of the ramifications, the CPC recommended that the Parking and Security Service be included in Physical Plant Facilities. Any other arrangement would have to be temporary and there are no funds available to convert any of the existing

*Notified  
Dean Jones  
10/5/59*

621. Other Business (continued)

Physical Plant Facilities into adequate facilities for Parking and Security. The fact that the patrol cars are radio operated tends to negate some of the disadvantages of distance. It was doubted that the Security and Parking staff would be inconvenienced any more than the Physical Plant staff by the distance and there are advantages in having the Service operate from the Physical Plant area.

- B. Large Classrooms -- By Item No. 2694, the Board of Directors, on August 22, 1959 instructed the Building Committee of the Board to provide for sufficient large classrooms in future buildings. In keeping with the action of the Board of Directors, the Building Committee checked the plans of the new buildings to make an inventory of the large classrooms. During the check, the Building Committee felt that the large room in the Classroom-Office Building would be more useful to the over-all campus if it were used as a classroom rather than the display room and instructed the College to make the change.

C. Legislative Appropriations for Major Repairs and Rehabilitations for 1959-60

1. Reroofing 18 Temporary Buildings, \$6,464.00 -- Due to the changes necessitated by the Building Program, Colonel West was requested to survey the needs of the temporary buildings on the campus and report his findings to the CPC at the next meeting.
2. Improve Lighting Facilities in Classrooms, Laboratories and Offices of the Agriculture Building, \$10,290.00 -- The Maintenance and Building Department is to replace the light fixtures and Colonel West and his staff are studying the needs and fixtures. The plans are scheduled to be completed within 30-days and materials ordered promptly thereafter. The work is to start as soon as the needed materials are received.
3. Replace Gas Line to Farm Areas, \$4,500.00 -- It was agreed that it would be necessary to withhold a recommendation until the Relocation of Farm Facilities has been further developed.
4. Rehabilitation of Farm Houses and Poultry Laboratory Building, \$4,000.00 -- It was agreed that it would be necessary to wait for further developments in the Relocation of Farm Facilities before making a recommendation.
5. Repainting Stone and Brick Work and Waterproofing Exteriors of Science and Chemistry Buildings, \$41,800.00 -- Mr. Barrick, Colonel West and Mr. Mason have been unable to get together to make a recommendation on waterproofing the wall of C-101. The report is to be available for the next meeting of the CPC, if possible.

Colonel West was requested to study the other needed work and to report his findings at the next meeting of the CPC.

- D. The Chairman reported that Section No. 11 of the Special Provisions for the Agencies of Public Education attached to the Appropriation Bill, provides that "there is also appropriated for use of the allocations from the Building Funds created by Article 7, Sections 17 and 18 of the State Constitution, to the respective institutions and for the purposes specified therein; provided, however, that none of the monies in such funds may be obligated for the construction of college and university buildings until a summary of the proposed building program, which shall include character and location of buildings, the square feet, type of construction, and estimated cost of each proposed building, has been filed with the Legislative Budget Board."

621. Other Business (continued)

As the first step in presenting the information to the Legislative Budget Board, Mr. Urbanovsky offered to work up a plot plan. The offer was accepted with appreciation, and the report is to be made to the Legislative Budget Board as soon as the information can be gathered.

- E. In order to prepare the site for the proposed Agricultural Plant Sciences Building, it is necessary to move the Agronomy Department's grass plots. The CPC recommends that the Agronomy Grass and Legume Production Plots be moved to the area west of the area now used for Native Grass and Evaluation Plots, with the additional recommendation that the Animal Husbandry Department be notified through Dean Thomas. Also, it is recommended that the request for funds in the amount of \$1,400.00 to move the grass be referred to Dean Thomas as it should come from the funds budgeted for the Relocation of Farm Facilities.
- F. The CPC recommends that the south wing of the main ROTC Building on the site of the Computer-Architecture Building be sold to Farmers Gin, Idalou, Texas for the sum of \$876.00.

622. Physical Plant Facilities

- A. Mr. Barrick reported that the architects have reworked the plans for the project to come within the budgeted amount. If it should be necessary, some of the present facilities might be used for storage and possibly the garage could be used.
- B. It was reported that it will be necessary for Colonel West to be in charge of the warehouse in the new facilities and that the details of operation will be worked out prior to the completion of the project.

623. Printing Press

Mr. Barrick reported that the project architect took the plans with him and is incorporating the facility into the Physical Plant project.

624. Psychology

- A. The Chairman reported that Colonel West had been requested to see if the needs of Psychology could be handled by the possible use of space in the old Library Building, the Mechanical Engineering Shops, and any other available space, and to check on the needs of Psychology in the way of a new building if funds should become available, as Psychology probably has one of the most pressing space needs on the campus.
- B. Colonel West checked with Dr. Kaplan, Head of the Psychology Department, and his report is attached to and made a part of the Minutes. (Attachment No. 142, page 380)

The CPC is of the opinion that the facilities requested would be beyond the realm of any possible financial resources available at this time.

- C. With reluctance, the CPC voted to go ahead with the renovation of the floor in the old quarters for the Psychology Department and requested that bids be taken immediately, in keeping with the request of Dr. E. N. Jones when he was President.

625. Relocation of Farm Facilities

In keeping with past requests, Dr. Durham is moving his employees from the houses behind the Science Building. Dr. Young would like to keep his house in the vicinity in order that the resident can watch the equipment and other materials in the area until new facilities are available across the freeway.

625. Relocation of Farm Facilities (continued)

Mr. Urbanovsky was requested to make a study and drawings of the new areas to see what can be done to accommodate Dr. Young's needs.

626. ROTC

Colonel West reported that X-8 had to be moved as it must be used by the ROTC at the new location.

627. Science Addition

Mr. Barrick reported that some preliminary data has been received from the three Science Department Heads and a meeting is planned with them as soon as registration is over. Miss Kirkwood is working on preliminary sketches based on the information submitted by the Department Heads.

The Department Heads have recommended that the addition be an extension to the south wing of the present Science Building. They have done some very careful and sound planning.

628. Student Union

- A. It is doubtful that the architects will have sufficient information available by October 3, 1959 for the HHFA application deadline. It is believed that the Congress failed to provide funds for such projects before adjournment.

The Chairman was requested to check with Mr. Atcheson to see if he thinks the plans may be ready on October 3, 1959.

- B. The CPC requested the architects to present the plans to date to the CPC at the next meeting.

629. Textile Engineering

The contractor is making an all-out effort to get the principal drawing rooms and two general classrooms ready in time for the beginning of classes. He has tried very hard to progress as rapidly as possible.

It looks as if the facilities may be ready for use about October 1, 1959.

630. Women's Gym

The architects are well along with working drawings and want to meet with Dr. Dabney to work out the details of cabinetwork, in a manner suitable to her, as soon as she returns.

The meeting adjourned at 5:30 p.m. The next meeting is to be held at 8:30 a.m. on October 1, 1959 in Room 120 of the Administration Building.

M. L. Pennington  
Chairman



Campus Planning Committee  
September 15, 1959  
Attachment No. 142  
Item 624-B

## M E M O R A N D U M

FROM  
BUILDING MAINTENANCE  
AND UTILITIES

TO: Mr. M. L. Pennington, Chairman  
Campus Planning Committee

DATE: September 14, 1959

SUBJECT: Space requirements for Psychology

Pursuant to your instructions at the last CPC meeting, I discussed with Dr. Kaplan, Head of Psychology Department, the space requirements for his Department. I know of no existing building which will meet the space requirements of the Psychology Department other than the Library. Providing this whole building could be made available for his use, I believe his activities could be housed in it; however, other departments such as Army and Air ROTC, Southwest Collection and Extension Service, are tentatively earmarked for the use of some of this space.

Dr. Kaplan states that he will need a suite of offices for himself consisting of one office for himself, office for his secretary and a small research laboratory, an office for Dr. Cobb and her secretary, an office for Dr. Kuntz and his secretary, two offices for professors, three offices for associate professors, four offices for assistant professors, two offices for four instructors, three offices for six research personnel, a caretaker's office, cubicles for twenty Fellowship students, storeroom, shop, experimental laboratory (physics type-20 to 30 student capacity), laboratory (biological type-20 to 30 student capacity), surgery for small and large animals, three experimental laboratories (size of average classroom), three monkey test rooms (approximately 10 by 15 feet), monkey quarters, monkey quarantine quarters, chimpanzee quarters, dog and cat quarters, food preparation room, food storage room, human research laboratory, oneway vision room for children observation, twelve testing rooms (approximately 6 by 8 feet), staff conference room, seminar room, auditorium with stage and seating capacity for 250, six class rooms, reading room, darkroom, lead-lined room for handling of radioactive material, six small rooms for research faculty.

/s/ C. P. West

C. P. West  
Director

CPW:dr

TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 50                      October 1, 1959

A meeting of the Campus Planning Committee was held at 8:30 a.m. on October 1, 1959 in Room 120 of the Administration Building. Members present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick, Colonel C. P. West and Chairman M. L. Pennington. In addition, Mr. D. M. McElroy, Assistant Comptroller, was present.

631. Approval of Minutes

On motion by Colonel West, seconded by Mr. Barrick, the Minutes of Meeting No. 49 were approved with a correction in Item No. 620B, to make it read "Thursday, October 1, 1959."

632. President's Approval of Minutes

The Chairman reported that he had not cleared the Minutes of Meeting No. 49 with President Goodwin but would do so at the first opportunity. He reported that President Goodwin had sent a letter dated September 23, 1959, pertaining to changes in the budgeted amount for various projects. The letter is attached to and made a part of the Minutes. (Attachment No. 143, page 387)

633. Agricultural Plant Sciences Facilities

It had been hoped that the final plans and specifications would be ready for presentation at the meeting of the Board of Directors to be held on October 10, 1959.

It now looks as if the final plans and specifications will be ready for the meeting of the Board to be held November 13, 1959. The architects have prepared some revised studies and the development of the plans and specifications seem to be progressing nicely.

634. Boiler and Housing

By Item No. 16 of Meeting No. 49, it was reported that the siding for the Boiler House has been manufactured and loaded but the Teamsters Union will not allow it to be shipped as the Teamsters are in sympathy with the steel strike.

The same situation still prevails.

635. Campus Plot Plan

Mr. Urbanovsky reported that the plan is about 85% complete and is in pretty good shape.

636. Chemical Engineering and Nuclear Reactor Building

- A. Mr. Barrick reported that it is possible the final plans and specifications may be available for presentation at the meeting of the Board of Directors to be held on October 10, 1959.
- B. The Chairman reported that Dr. Goodwin has forwarded a Letter of Intent to Convair-Fort Worth to authorize the preparation of a Hazard Summary Report in keeping with the approval of the Building Committee of the Board of Directors. The cost will be \$3,430.00, and is to be paid from building funds other than Constitutional Building Amendment Funds.

637. Classroom and Office Building

The progress to date on the construction is very poor. Since last February, Mr. Barrick has been complaining to the architects that the general contractor has insufficient workmen on the job to assure proper progress, and the project architect has passed the complaints on to the contractor. Apparently no effort has been made to remedy the defect by the contractor and there seems to be a lack of performance and of effort to perform.

The Chairman is to write the project architect a letter expressing the extreme concern of the Campus Planning Committee over the progress to date.

638. Computer - Architecture

- A. There are fourteen sets of plans out for bids which are to be opened at 2:00 p.m. on October 8, 1959, in the Aggie Auditorium. The bidders are well spread out over the state and the bidding seems to be progressing according to the plans.
- B. Site Clearance -- All buildings have been removed except the small building next to the north end of the West Engineering Building. Mr. Davis, who is the successful bidder for the building, was to have it removed by today, which is the deadline date. Colonel West was requested to call his attention to the deadline and attempt to get him to move the building without further delay.

639. Flint Street

The Chairman reported that the executed copies of the instruments necessary for reimbursement from the City were received on September 30, 1959 and that they would be sent to the City as quickly as possible with a request for reimbursement in keeping with the terms of the agreement between the City and the College, dated July 8, 1958.

640. Library (New)

Progress on the development of the final plans and specifications seems to be progressing satisfactorily.

641. Mechanical Engineering Shops

Mr. James Atcheson and Mr. Atmar L. Atkinson, project architects, entered the meeting at 9:05 a.m. and remained through the discussion for the Student Union, which was next discussed, and left the meeting at 11:45 a.m.

The architects explained that there are channels and procedures between the Project Architects and the College, which should be followed, and they probably got the wrong impression at the beginning of the program as they assumed that the College had intended to design the exterior of the building. They explained that they now understand that it is the Project Architects' responsibility and they realize that there are certain people at the College to whom they are responsible and whom they must satisfy and that the group is the Campus Planning Committee.

It was explained to them that the Campus Planning Committee is recommendatory to the President and to the Board of Directors. It was explained that the other architectural firms understood that they were to do the exterior design.

Next, the project architects discussed the styling of buildings. They stated that the designing could cause considerable discussion as it affects the reputation of the architects. They assume that they are to make some suggestions on it and presume that, if the styling is not accepted, it will be turned down and they

641. Mechanical Engineering Shops (continued)

are to make other efforts. They feel from past experience that they should have access to the people involved. They stated that they have not talked with anyone other than the Mechanical Engineering people on the function, would like to have time with the CPC to come up with a solution rather than working with any one individual, and are not criticizing anyone but feel that if they can hear the comments of those actively participating, they will more nearly come up with something that will fit the requirements. They think that such procedures will enable them to do the best job.

On the Shop Building, they feel that, due to location next to the existing building, exterior styling should relate fairly closely to the East Engineering Building and have some traditional flavor as opposed to Contemporary Styling. They added that they recognized the problem of cost and agreed to try to get more space per dollar spent, without ornaments used in past buildings. They think some of it can be done by the minimum use of traditional ornaments and hope to keep the design as simple as possible. They concluded by stating that the general points of concern were covered and they were open to discussion and ready to go into the various exterior sketches, as they have been requested to do, and as has been by the other architects on other projects.

A very detailed discussion ensued on the exterior designs produced by the project architects. An agreement was reached, in general, on what is to be included in the revised sketches and the architects agreed to present the revised sketches to the CPC on Wednesday, October 7, 1959, in order that the sketches can be studied and the recommendation made to the Building Committee of the Board at the meeting to be held on October 9, 1959.

642. Operating Procedures

Left Turn at College and Broadway -- Mr. Urbanovsky reported that the request for the left turn has been approved by Mr. McDaniels of the City Traffic Department. The drawings have been made and provisions for the left turn are being made.

643. Other BusinessA. Legislative Appropriations for Major Repairs and Rehabilitations for 1959-601. Reroofing of the 18 Temporary Buildings -- \$6,464

Colonel West had been requested to survey the needs of the temporary buildings on the campus and report his findings to the CPC. His report is attached to and made a part of the Minutes. (Attachment No. 144, page 388)

Colonel West recommended that Buildings X-1, X-2, X-3, X-4, X-5, X-17, X-18, X-19, X-20, and X-21 be reroofed. He recommended that the roofs of the three ROTC Buildings be patched as they will have to be removed in about two years. He recommended that repairs be made as required on the Speech Workshop Building in view of the future use of the building. He reported that the old Infirmary Buildings, which have been converted to offices, had to be reroofed and need no repairs at this time. He said that the roof of the remaining portion of M-1 needs patching in order to be waterproof for its limited use. In addition, he recommended that the other temporary buildings be repaired as necessary in keeping with the remaining time that they are to be used.

Colonel West further recommended that his Department reroof and repair the buildings by buying the material from the Legislative Appropriation and paying additional labor from the account. He is of the opinion that the repairs can be done more cheaply and efficiently by his Department than by an outside contract.



643. Other Business (continued)

The recommendations of Colonel West for reroofing and repairing the X-Buildings were accepted.

At the time of the Legislative Requests during 1957-58, the building program had not developed sufficiently to know that some of the X-Buildings would have to be removed from the campus in order to clear the sites for new construction.

2. Improve Lighting Facilities in Classrooms, Laboratories, and Offices in the Agriculture Building -- \$10,290 -- Colonel West reported that the Assistant Dean of Agriculture is making a study to provide efficient use of space in the building as affected by the Plant Sciences Building and will give him the results of the study when available. On receipt of the report, the plans for the lighting will be completed.
  3. Replace Gas Line to Farm Areas -- \$4,500 -- Colonel West presented a report from Mr. Ray Downing, Superintendent of the Heating Plant and Utilities, on the gas line to farm areas but it inadvertently failed to be presented to the CPC. The report is attached to and made a part of the Minutes and will be discussed at the next meeting of the CPC. (Attachment No. 145, page 389)
  4. Repointing Stone and Brick Work and Waterproofing Exteriors of Science and Chemistry Buildings -- \$41,800 -- Mr. Barrick reported that difficulties have arisen and he is attempting to secure estimates on the work needed. Work on the plans is still progressing and it is hoped that a recommendation will be available for presentation to the CPC at the next meeting.
- B. Required Report to the Legislative Budget on Contemplated Buildings in Keeping with H. B. 4 (the Appropriation Bill for 1960 and 1961) At the last meeting, Mr. Urbanovsky had offered to work up the plot plan for the report. The plans have been developed and are being completed with the last information needed. As soon as the final information has been entered on the plans, the Chairman is to forward the reports to the Legislative Budget Board in keeping with the Appropriation Bill rider.
- C. Large Classrooms and Auditoriums -- Mr. Barrick reported that it became necessary to wait until after registration to make the study which has expanded into a three-fold problem. In addition to the Deans and Department Heads, it became necessary to secure the assistance of Miss Clewell to complete the survey of the existing large classrooms and classes which can use large classrooms. It is hoped that the materials will be completed and available at the next meeting of the CPC for transmission to the Building Committee of the Board of Directors.
- D. Tennis Courts -- The construction of the tennis courts has been completed and it was agreed that the final acceptance date for the work will be September 15, 1959.

644. Physical Plant Facilities

- A. It was agreed that it will be moving too fast to attempt to have final plans and specifications ready for presentation to the Board of Directors at the meeting to be held on October 10, 1959, and it is recommended that the plans and specifications be presented to the Board of Directors at the meeting to be held on November 13, 1959.

Revised plans have been received from the architects and are being studied at this time.

It was agreed that the Chairman is to notify Dean Jones of the recommendation of the CPC on the location of the Traffic and Security Service as set out in the Minutes of the last meeting. (Item 621A, CPC Minutes of September 15, 1959)

645. Printing Press

It was agreed to recommend that the Printing Press be located adjacent to the Physical Plant Facilities on the north side.

646. Relocation of Farm Facilities

- A. Revised Estimate on Meats Lab -- Mr. Barrick reported that he has run into several items that require outside information on costs, such as the refrigeration system, and that requests for the information are out. The information is necessary to complete the estimate which is being assembled as rapidly as information becomes available.
- B. At the last meeting, Mr. Urbanovsky was requested to make a study and drawings of the new areas to see what can be done to accommodate Dr. Young's needs.

Mr. Urbanovsky reported that he had met with Dr. Young and was consolidating the information received from him and the Animal Husbandry Department, in view of the three residences now located across the freeway. He will take the report to Dean Thomas for approval when it is completed and then present it to the CPC. The study is for shops and storage for the various departments in the School of Agriculture.

647. ROTC

Colonel West's report on the ROTC facilities is attached to and made a part of the Minutes. (Attachment No. 146, page 390)

648. Science Addition

Mr. Barrick reported that his staff is doing a layout on the project in keeping with the information received from the three Department Heads. The layout will be sent to the Department Heads for study as soon as it is completed.

649. Student Union

- A. The Chairman reported that the HHFA has approved the preliminary application and reservation of funds for the project as the President has just signed a new Housing Bill. He stated that it is essential for the required plans to be available as part of the full application. It was agreed that the full application should be filed immediately following the meeting of the Board of Directors on October 10, 1959.

A lengthy discussion ensued with Mr. Atcheson and Mr. Atkinson on the layout sketches. The architects estimate that the plans will provide approximately 70,000' of floor space. The floor plans were reviewed, the elevations and outside designs were studied, the various heights and size of rooms were discussed along with the advantages of the proposed exterior area, and the effect of the new portion of the project on the old portion and the proposed Library across the street was analyzed. Also the lighting effect and air conditioning equipment and water tower for the area were discussed.

It was reported that Mr. Nelson Longley, Director of the Student Union, has worked very closely with the architects and provided a list of items that he wanted included. He presented a very nice, well prepared program and the architects developed the schematics from his presentation. Mr. Longley has kept the Student Union Committee informed of the progress on the project.

649. Student Union (continued)

The recommendations of Mr. Porter Butts, the Consultant, have been used in all cases where propitious on the refined project and his thinking has been of help. It was pointed out that the function of the building has changed considerably from that contemplated by Mr. Butts in that the swimming pool and most of the recreational facilities have been deleted. It is believed that the present arrangement for food handling is better than his proposal as his was not practical to work out mechanically.

The architects reported that they had tried a sloping roof, in keeping with the existing roof, but it would not work out just right with the functional needs. Maintenance of a flat roof is cheaper than that for a sloping roof. The flat roof line develops a better treatment for the functions and the functions which produce the schematics almost preclude the use of a sloping roof.

It was pointed out by the architects that further development of plans may change some of the proposed schematics and elevations.

It was agreed by all that the plans are at the "hinge point" at this time and that the architects are to prepare space and cost analyses on the sunken courts and framing of the first floor to see if the budget will suffice. The architects agreed to have the information to Mr. Barrick by noon on Wednesday, October 7, 1959. The CPC is to consider the report at the next meeting to be held at 8:30 a.m. on Thursday, October 8, 1959, and the report is to be made by the CPC to the Building Committee in time for the contemplated meeting on October 9, 1959. Members of the Campus Planning Committee are to study the floor plans and layout before the meeting on next Thursday.

It was agreed that the CPC should present the progress to date to the Building Committee at the next meeting in order to file the full application for the proposed HHFA Loan.

650. Textile Engineering

- A. Mr. Barrick reported that the building is not quite ready. There have been a number of delays which have held up final completion, the chief cause being the failure of Dick Cheatham to install the floors as agreed. The general contractor has been requested to complete the classrooms, which he has promised, as soon as possible as it is very difficult to continue temporary arrangements for the classes which were scheduled for the rooms.
- B. It was pointed out that Mr. Cheatham has been very negligent on a number of other contracts, including the Bookstore, and his services are considered entirely unsatisfactory. It is recommended by the CPC that he be denied the privilege of doing further work for the College as he is too unpredictable and unreliable and does not seem to be concerned over the complications caused by his delays.
- C. All plans are ready to move the Industrial Engineering and Engineering Drawing Department as soon as the new space is available. Professional movers are to be used as it seems to be the most economical and efficient means.

651. Women's Gym

It is believed that final plans and specifications will be available for presentation at the next meeting of the Board of Directors. The architects are trying very hard to have the plans ready at that time. The specific site has been set in keeping with the approval of the Board of Directors. Dr. Dabney has studied the plans and specifications.

M. L. Pennington  
Chairman

The meeting adjourned at 12:25 p.m. The next meeting is scheduled to be held at 8:30 a.m. on Thursday, October 8, 1959, in Room 120 of the Administration Building.

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Campus Planning Committee  
October 1, 1959  
Attachment No. 143  
Item 632

TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

Office of the Vice President

September 23, 1959

Mr. M. L. Pennington  
Vice President and Comptroller  
Campus

Dear Mr. Pennington:

A review of the Minutes of the 49th meeting of the CPC leads me to ask some questions. They may be based upon lack of understanding on my part and they are raised to clear my own thinking. I want to be corrected if I am wrong in any way.

Certain new buildings and changes in the use of the old buildings were approved by the Board and handed down to your Committee. Among them were certain buildings now used by Agriculture which were to be replaced by new buildings for Agriculture. Am I right in that it now develops that one or more of these old buildings is to be retained by Agriculture even though they have new ones, for replacement, in prospect.

If this be the case, and I am not sure of the facts in the case, then my whole argument, that I have used in talking with other departments, breaks down. I have told these departments that allocations have been made and can not be changed. Yet if changes are being made in one place there should be possibilities of change in other places.

Please get me straight on this.

Very truly yours,

/s/ R. C. Goodwin

R. C. Goodwin  
Acting President

RCG:so (g)



C O P Y

Campus Planning Committee  
 October 1, 1959  
 Attachment No. 144  
 Item 643A - 1.

Texas Technological College  
 Lubbock, Texas

M E M O R A N D U M  
 From  
 Building Maintenance  
 And Utilities

TO: Colonel C. P. West

September 30, 1959

SUBJECT: Reroofing of X-Buildings on Campus

X-Building, south of Chemistry  
 32 sq. for X21  
 32 sq. for X20  
 30 sq. for X19  
 30 sq. for X18  
 30 sq. for X17

Total for five above buildings, 154 Sq. of #210#  
 Roofing @ \$7.00 sq. - - - - - \$1,078.00  
 Total Labor for 154 sq. @ \$3.00 sq. - - - - - 462.00  
 Total Cost- - - - - \$1,540.00

X-Buildings between Museum and East Engineering  
 Building  
 56 Sq. for X1  
 25 Sq. for X2  
 40 Sq. for X3  
 25 Sq. for X4  
 29 Sq. for X5

Total for five buildings, 175 Sq. of 210# Roofing  
 @ \$7.00 sq. - - - - - \$1,225.00  
 Total Labor for 175 sq. @ \$3.00 per sq. - - - - - 525.00  
 Total Cost- - - - - \$1,750.00

TOTAL COST FOR TEN X-BUILDINGS- - - - - \$3,290.00

M1 Building, Air Science  
 11 Sq. @ \$7.00, 210 lb. roofing \$ 77.00  
 11 Sq. @ \$3.00, Labor per Sq. 33.00  
 \$110.00

Alternate  
 11 Sq. roll roofing, 90 lb. @ \$3.00- - - - - \$ 33.00  
 11 Sq. @ \$1.50 per sq. Labor- - - - - 16.50  
 \$ 49.50

/s/ L. E. Davis

L. E. Davis  
 Superintendent

Campus Planning Committee  
 October 1, 1959  
 Attachment No. 145  
 Item 643A - 3.

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TEXAS TECHNOLOGICAL COLLEGE

Lubbock, Texas

Department of Heating Plant  
 and Utilities

September 29, 1959

MEMO TO: Col. C. P. West

SUBJECT: Gas line to farm residences

In 1937 or 38 a N.Y.A. dormitory was built west of the Library building. At this time a gas line was laid to provide heating for this building. After it had served its purpose, it was divided up and the present farm houses are a part of that building.

With gas service extended to this location, Mr. Bill Rodgers, began a campaign to have services extended on west to other farm residences. The college did not have money to provide this service so the farm people living in these houses were given permission to buy the pipe and lay it. Therefore, very little thought or planning went into the laying of this line.

The pipe was bought as used pipe, and was laid very shallow, in many places the pipe is completely exposed at the present time.

After inspecting this pipe, I found it to still be in good condition, there are several leaks but this is due to bad connections, more so than faulty pipe. I do feel however, the pipe should be relaid, and would recommend the following steps:

FIRST: The present three inch line to be extended west as far as needed to serve any future building program in the area south of the Men's dormitories, or west of the Vet Science building.

SECOND: The old existing two inch gas line be dug up, cleaned with steel brushes, and inspected. Then, if found to be in good condition, be relaid in the following method:

All joints to be welded. After piping has been tested and found to be tight, it be given an external protective coating in accordance with the Roskote-glass wrap process, which is as follows:

Apply by brush or spray a 15 mil coating of Roskote cold-applied black pipe mastic, #612XM. While mastic is still wet, spiral wrap with Royston glass-wrap following the table or recommended fabric width and lap. Then apply a second 15 mil coating of Roskote mastic #612XM.

This job could be accomplished with college labor, however, the services of a welder would be required. The mastic and glass-wrap are available from the local gas company.

Should there be any phase of this subject I have failed to cover, let me know and I will endeavor to find a suitable solution or answer.

/s/ Ray Downing

Ray Downing, Superintendent  
 Heating Plant and Utilities

RD:jh

Campus Planning Committee  
October 1, 1959  
Attachment No. 146  
Item 647

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TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

M E M O R A N D U M

FROM  
BUILDING MAINTENANCE  
AND UTILITIES

TO: Mr. M. L. Pennington, Chairman  
Campus Planning Committee

DATE: September 24, 1959

The movement of R. O. T. C. facilities including the repair to building X3 and 4, the closing in and painting of the south end of the Air Force R. O. T. C. administration office (where building was cut in two), the movement of all surplus R. O. T. C. buildings, the movement of X8 to a site just east of X4 and the necessary work in classroom 255 and 256, West Engineering building, has been completed 100%.

This leaves only the rifle range to be moved to a permanent location at some future date.

/s/ C. P. West

C. P. West  
Director

CPW:dr

(52)

PROPOSED AGENDA FOR THE MEETING OF THE BUILDING COMMITTEE OF THE  
BOARD TO BE HELD AT 4:00 P.M., OCTOBER 9, 1959 IN THE OFFICE  
OF THE PRESIDENT, TEXAS TECHNOLOGICAL COLLEGE

1. (654.) Agricultural Plant Sciences Building

Consider the recommendation of the CPC of the progress  
to date including the layouts, elevations, philosophy of de-  
sign, and scale model.

Approved recommendation of the CPC and ~~agreed~~ voted to recommend it to the Board of  
Directors. —

*Eutls*

2. (656.) Chemical Engineering and Nuclear Reactor

Consider plans to date for use in the Hazard Survey,  
with final approval to come after the full final plans and  
specifications have been received.

Approve use of plans and specifications to date for use in the <sup>preparation</sup>~~processing~~ of the  
Hazard survey.

3. (658.) Computer - Architecture

Summary of project cost in view of low bid of  
H. A. Lott, Inc. of Houston:

Base bid	\$611,611.00
Alternate No. 2	900.00
Architect's fees	30,625.55
Contingencies	<u>1,863.45</u>
Total - - - - -	<u>\$645,000.00</u>

*Show  
revisions*

*cond to:  
max Const.  
of low Angelo  
1 + alt \$35,500  
#2 - alt. \$11,450  
without to sign  
discussed and  
Classroom until  
get computer*

Consider low bidder. (Information to be supplied)

Consider transfer of \$20,000 from the Chemical Engineering  
Project to the Computer - Architecture for the proportionate  
share of the cost of the air conditioning equipment, making a  
total budget of \$645,000.00.

Award of contract and authorization for signature.

Approved the inclusion of alternate No. 1. in the amount of \$35,000 to include the  
additional bay in the computer section.

Approved the transfer of \$20,000 from the Chemical Engineering-Nuclear Project  
to the Computer-Architecture Project.

Deferred the award to the contractor to the full Board.



4 D 4. (661.) Mechanical Engineering Shops

Review project developments to date.

Consider recommendation of the CPC that the project architects be asked to prepare their own version of the elevations.

Requested that the project be referred to the Project Architects for additional work to be presented at a later date.

4 ~~Operating Procedures~~  
5 ~~Operating Procedures~~  
5. (663C.) Large Classrooms

Consider survey results on large classrooms.

Accepted the survey and discussed it briefly. It will be used as part of the study of the needs for large classrooms.

~~Recy styling policy~~

F 6. (668.) Student Union

Consider report on telephone request to HHFA for an extension of time for the full application.

Consider the material received to date on the project.

- Restudy & re-submit -

The Board requested the project architects to restudy the project and resubmit their findings developments for approval, move in line with traditional style.

Approved the request for an extension of 30 days to file the full application to the HHFA.

7. (670.) Women's Gym -

Consider the final plans and specifications = OK <sup>1st H</sup> <sub>2nd S</sub> passed

Consider authorization to advertise for bids - <sup>1st S</sup> <sub>2nd H</sub> passed

Consider authorization to open bids and present recommendation to Board.

ng tile to stone in place of tile on lower band - & revision of entrance  
approved the final plans and specifications

Approved the authorization to advertise for bids, ~~open~~ open the bids and make a recommendation to the Board.

training school  
be changed to  
in which to  
Tone  
study use of roof  
tile over entrance  
with arches  
Check back to bldg  
cann + then go ahead  
when get approval

EXCERPTS FROM THE MINUTES OF MEETING NO. 51 OF THE CPC  
IN SUPPORT OF THE AGENDA FOR THE MEETING OF THE  
BUILDING COMMITTEE TO BE HELD AT 4:00 P.M.  
ON OCTOBER 9, 1959

654. Agricultural Plant Sciences Building

(Mr. Hoyse McMurtry, Mr. Howard Schmidt, and Mr. Bob Messersmith, Project Architects, entered the meeting at 10:40 a.m. for the discussion of this project and the Nuclear Reactor and Chemical Engineering project, which was discussed. They left the meeting at 12:35 p.m.)

The architects presented the developments to date, which included the philosophy of design, layouts, elevations, and scale model. The various presentations were discussed and studied at length.

After full discussion, the CPC recommended that the progress to date, as listed above, be presented to the Building Committee of the Board of Directors at the meeting to be held at 4:00 p.m. on October 9, 1959. It was agreed to recommend the acceptance of the progress to date, subject to some additional study of the east end of the proposed project. In addition, it was agreed that the solar screen on the south side would be desirable as it would present a pleasing and rich effect if there is sufficient money in the budget.

The final plans and specifications are scheduled to be presented to the Board at the meeting on November 13, 1959.

656. Chemical Engineering and Nuclear Reactor Building

In conjunction with the project architects, the CPC studied and discussed the floor plans, elevations, material schedule, samples of the proposed colored materials, specifications, and the model.

Mr. Barrick estimated that the architectural drawings are about 95% complete and the mechanical drawings about 60%. The reason that the mechanical plans are no more complete is that Convair-Fort Worth has not prepared and submitted all of the information needed from them. Convair-Fort Worth is to prepare the Hazards Survey for presentation to the AEC, and the detailed information can be included by them at the time of submission.

After detailed discussion and consideration, the CPC recommended that the plans and specifications, as presented, be approved for the purpose of the preparation of the Hazard Survey and that the development of the plans and specifications for final approval be continued until they are fully prepared. It is hoped that the final plans and specifications will be ready for the meeting of the Board of Directors on November 13, 1959.

It has been agreed, in the past, that the final plans and specifications will be prepared to provide the necessary information for the Hazard Survey but that bids will not be taken until permission has been received from the AEC to construct the Reactor.

658. Computer-Architecture

As authorized by the Board of Directors, bids were opened and read aloud at 2:00 p.m. on October 8, 1959 in the Aggie Auditorium in the presence of approximately 96 interested persons. A tabulation of the bids is attached to and made a part of the Minutes. (Attachment No. \_\_\_, page \_\_\_)

658. Computer-Architecture (continued)

H. A. Lott, Inc., of Houston, was the low bidder with a base bid of \$611,611. The budgeted amount for the project is \$625,000. An alternate bid, as instructed by the Board, was taken on the additional bay for the Computer Section. H. A. Lott, Inc., bid \$35,600 for the additional bay. It had been previously agreed, in keeping with the air conditioning survey prepared by Zumwalt and Vinther, that the air conditioning would be by zone control and the Computer-Architecture Building would be designed to hold the 150 tons of air conditioning equipment. One-half of the equipment is properly chargeable to the Chemical Engineering-Nuclear Reactor project.

It is the recommendation of the CPC that the low bid be accepted, subject to the approval of the contractor by the Board, in the amount of \$611,611, and Alternate No. 2 in the additional amount of \$900, to reface the west end of the south wing of the West Engineering Building with the standard Texas Tech brick, be accepted, making a total contract of \$612,511. The architects' fees at 5% would amount to \$30,625.55. It is the additional recommendation of the CPC that \$20,000 be transferred from the Chemical Engineering-Nuclear Reactor project to the Computer-Architecture project for one-half of the estimated cost of the air conditioning equipment. The total budget for the project would then be \$645,000, ~~(The total expenditures~~ \$643,136.55, and leave <sup>ing</sup> a contingency fund of \$1,863.45).

The figures would be as follows:

<u>Income</u>		<u>Expenditures</u>	
Original Budget	\$625,000	Base bid	\$611,611.00
Plus transfer from Chemical Engineering- Nuclear Reactor	<u>20,000</u>	Alternate No. 2	900.00
		Architects' Fees	30,625.55
Total- - - - -	<u><u>\$645,000</u></u>	Contingencies	<u>1,863.45</u>
		Total Income-	<u><u>\$645,000.00</u></u>

There are insufficient funds in the project to accept the alternate for the additional Computer Bay or the other alternates.

661. Mechanical Engineering Shops

As agreed at the last meeting of the CPC, the project architects sent out revised copies of the proposed elevations, with the attached letter of transmittal. (Attachment No.\_\_\_\_, page No.\_\_\_\_)

The schedules were labeled Schemes A, B and C in the order of preference of the project architects. Scheme A has the straight line on the north elevation with no break in the parapet wall, Scheme B has an ornament over the windows, and Scheme C has the finials over the windows.

After careful study of the drawings and since the architects stated that they have been prepared in keeping with the request of the Campus Planning Committee and, further, since the project architects have the responsibility of designing the exterior, it is recommended that the architects be requested to draw the exterior as they think that it should be done and submit their interpretations to the CPC. The drawings should be in sufficient detail for presentation to the Board.

It was agreed that the drawings would be presented to the Building Committee of the Board at the meeting to be held at 4:00 p.m. on October 9, 1959.

663. C. Large Classrooms

Mr. Barrick reported that the survey has been completed, is being typed, and will be ready for presentation to the Building Committee of the Board on October 9, 1959. A copy will be attached to and included in the Minutes. (Attachment No.\_\_\_\_, page No.\_\_\_\_)

668. Student Union

The project architects submitted the section study and space and cost analyses on the sunken courts at the time agreed. The section study and space and cost analyses, and the proposed elevations were discussed at length by the CPC.

It was pointed out that the final plans and specifications were due from the project architects on October 3, 1959 for presentation to the HHFA with the full application for the loan, before the deadline. In view of the information submitted by the project architects to date, it looks as if it will be impossible to have the final information available in time for the full application as scheduled and that it will be necessary to ask the HHFA for an extension after all. The Chairman is to call the HHFA tomorrow and have the information for the Building Committee at the meeting, if at all possible.

It was agreed to present the material received to date to the Building Committee and discuss the problem with them.

670. Women's Gym

Mr. Barrick reported that the project architects are to have the final plans and specifications, in keeping with prior recommendation of the CPC and approval of the Board, for consideration by the Building Committee at the meeting to be held on October 9, 1959.

It was recommended that the plans and specifications be approved by the Board of Directors, through the Building Committee, and that authorization be received to advertise for bids and award the contract at the meeting of the Board of Directors to be held December 12, 1959.



4:00 PM

Mr. Haley, Mr. Henn, Mr. Smith, Mr. Wall, 10/9/59  
Mr. Gaudin, Mr. Khamanetsky, Kinnick, Taylor,  
McElroy & Barrington

~~Set plan~~

discussed floor plans, etc., explained  
features, answered questions-

accepted progress to date & recommended  
acceptance to Board - passed

Chem. Engr. + Nuclear Reactor -

discussed floor plans,

658- Comp. - arch  
as per agenda, including  
Contractor -

~~Handled - moved~~  
Marcel

1<sup>st</sup> - bidder

2<sup>nd</sup> - Contract

Building #

Alt. 1 - 35,000 extra bay -  
moved Marcel, 2<sup>nd</sup> Mr. Smith to  
include it -

Notify Mrs. Gibson of \$35,500  
excess (mines)

Check receipt tonight

Passed to Board,  
— Transfer of \$20,000  
—

Contractor to be passed to Bd,

M.E. Shops.

— request for other work

3. Large classroom

COURSES SUITABLE FOR INSTRUCTION IN LARGE SECTIONS\*

led report from information furnished by Deans of Schools and Heads of  
tments.

00L	DEPARTMENT	COURSE TITLE & NUMBER	MAXIMUM ESTIMATED CAPACITY CONSIDERED TO BE PRACTICABLE	REMARKS
ess istration	Management	Professional Careers in Business - 110	150	
		Industrial Management 331	150	
	Economics & Finance	Development of American Busi- ness & economic Institutions I, 133	200 Plus	
		Development of American Business & Economic Institutions II, 134	200 Plus	
		Corporation Finance 331	100 Plus Might be Feasible	
		Personal Finance 231	100 Plus Might Be Feasible	
	Accounting	None Indicated to be Feasible		
	Business Education & Secretarial Administration	None Indicated to be Feasible		
	Marketing	None Indicated to be Feasible		

COL	DEPARTMENT	COURSE TITLE & NUMBER	MAXIMUM ESTIMATED CAPACITY CONSIDERED TO BE PRACTICABLE	REMARKS
ulture	Animal Husbandry	General Animal Husbandry 131	150	
		Breeds of Livestock 231	110	
	Agricultural Economics	Fundamentals of Agricultural Economics 235	150	
		Principles of Marketing Agricultural Products 236	150	
	Horticulture & Park Management	None Indicated to be Feasible		
	Dairy Industry	Principles of Dairying 131	150	48 is a Preferable size but possible to carry 150
	Agronomy	Fundamentals of Agronomy 131	60	Would require smaller sections for discussion & recitation periods
		Soils 241	60	
		Principles of Genetics 341	60	
	Agricultural Education	None Indicated to be Feasible		
	Agricultural Engineering	Agricultural Surveying & Land Mapping 222	100	However, total enrollment rarely would reach this number
		Irrigation Principles 335	100	



SCHOOL	DEPARTMENT	COURSE TITLE & NUMBER	MAXIMUM ESTIMATED CAPACITY CONSIDERED TO BE PRACTICABLE	REMARKS
& ices	Health, Physical Education & Recreation for Men	Introduction to Physical Education Activities 010	100	
	Health, Physical Education & Recreation for Women	None Indicated to be Feasible		
	Psychology	Introduction to Psychology 130	200	Would require smaller quiz sections of 25-30 students per section
		General Psychology 230	200	
		Child Psychology 331	200	
		Adolescent Psychology 335	200	
	Government	American Govt., Organization 233	200 Practicable but not Preferred	
		American Govt., Functions 234	200 Practicable but not Preferred	
	Biology	Biology 133 (Botany)	80	
		Biology 134 (Zoology)	80	
	Journalism	Introduction to Journalism 130	90	
	Air Science	General Assembly of Cadet Corp Graduation	500	
			100	

SCHOOL

DEPARTMENT

COURSE  
TITLE & NUMBERMAXIMUM  
ESTIMATED  
CAPACITY  
CONSIDERED  
TO BE  
PRACTICABLE

REMARKS

S &  
ences Con't

Music

Programming  
of Special  
Band Concerts,  
Orchestra, Choral  
& Operatic  
Organizations,  
Recitals, Band  
Clinic, Choir  
Clinic

Auditorium  
Seating Capacity  
750

App. Music  
025 - 446,  
Piano

App. Music  
025 - 446  
Voice

App. Music  
025 - 446  
Organ

App. Music  
025 - 436  
Violin

App. Music  
025 - 436  
Violoncello

App. Music  
025 - 436  
Viola

App. Music  
025 - 436  
Double Bass

App. Music  
115 - 436  
Flute

App. Music  
115 - 436  
Oboe

App. Music  
115 - 436  
Clarinet

App. Music  
115 - 436  
Eassoon

SCHOOL	DEPARTMENT	COURSE TITLE & NUMBER	MAXIMUM ESTIMATED CAPACITY CONSIDERED TO BE PRACTICABLE	REMARKS
Arts & Sciences Con't	Music Con't	App. Music 115 - 326 Saxophone		
		App. Music 425 - 436 Trombone		
		App. Music 115 - 436 Baritone		
		App. Music 113, 114 Percussion		
		App. Music 1113, 1114 Voice		
		App. Music 1123, 1124 Piano		
		App. Music 213, 214 Strings		
		App. Music 2113, 2114 Voice		
		App. Music 2123, 2124 Piano		
		App. Music 313, 314 Brass Instruments		
		App. Music 413, 414 Woodwinds	140 each	Student Recitals
		Introduction to Music Literature 131 - 132	150	

SCHOOL	DEPARTMENT	COURSE TITLE & NUMBER	MAXIMUM ESTIMATED CAPACITY CONSIDERED TO BE PRACTICABLE	REMARKS
s & ences Con't	Music Con't	Ensemble 013 B (Symphonic Winds)	120	Cannot program at this time because space not available
	Geology	None Indicated to be Feasible		
	Physics	None Indicated to be Feasible		
	Chemistry & Chemical Engineering	General Chemistry 141	500	
		General Chemistry 142	500	
	English			Advanced English courses could be taught in groups of 75 maximum.
	History Anthropology & Sociology	History 231 (U.S. to 1865)	200	
		History 232 (The U.S. Since 1865)	200	
		History 235 (Survey of Texas History)	200	
	Education & Philosophy	Introduction to Education 130	60	Such a section possible but prefer classes no larger than 30
	Foreign Languages	None Indicated to be Feasible		
	Military Science & Tactics	None Indicated to be Feasible		



SCHOOL

DEPARTMENT

COURSE  
TITLE & NUMBERMAXIMUM  
ESTIMATED  
CAPACITY  
CONSIDERED  
TO BE  
PRACTICABLE

REMARKS

Mathematics  
& AstronomyIntroductory  
Geometry 032Introductory  
Algebra 051College  
Algebra 052

Algebra 130

Trigonometry  
131Analytic  
Geometry 132College  
Algebra 133Mathematics  
in General  
Education  
135Mathematics of  
Finance 138

120 - 150

Such sections  
would then re-  
quire smaller  
sections, held  
by teaching  
fellows, for  
practice work.

Speech

None Indicated to be Feasible

Engineering

Architecture  
& Allied ArtsPrinciples of  
Design 141

100

Principles of  
Design 142

100

History of  
Ancient  
Architecture  
221

100

History of  
Medieval  
Architecture  
222

50 - 60

With quiz  
sections of  
smaller size,  
these could be  
of unlimited  
size for general  
lecture.

SCHOOL	DEPARTMENT	COURSE TITLE & NUMBER	MAXIMUM ESTIMATED CAPACITY CONSIDERED TO BE PRACTICABLE	REMARKS
Engineering	Architecture & Allied Arts	History of Early American Architecture 321	50 - 60	
		History of Renaissance Architecture 322	50 - 60	
		History of Modern Architecture 323	50 - 60	
		Allied Arts 131	70 - 80	
	Electrical Engineering	Principles of Electrical Engineering 231	100	
	Textile Engineering	None Indicated to be Feasible		
	Civil Engineering	C.E. 330 Structures	65	
		C.E. 431 Reinforced Concrete	65	
		C.E. 433 Structures	65	
		C.E. 434 Structures	65	
	Mechanical Engineering	None Indicated to be Feasible		
	Petroleum Engineering	None Indicated to be Feasible		
	Industrial Engineering & Engineering Drawing	Industrial Relations 321	150	

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SCHOOL	DEPARTMENT	COURSE TITLE & NUMBER	MAXIMUM ESTIMATED CAPACITY CONSIDERED TO BE PRACTICABLE	REMARKS
Engineering Con't	Industrial Engineering & Engineering Drawing Con't	Safety Engineering 435	150	Possible in this number, but prefer not over 30 per class
		Industrial Procurement 423	150	
Economics	Home and Family Life	Marriage 235	200-300	Groups of 20-30 for Discussion periods
		Family Relations 433	100-200	
	Applied Arts	Art Applied to Daily Living 131	180-200	Combining the lecture for 337-338 a propos- ed plan for future
		Art in Elementary Education 337-338 (Under a Combined General Lecture)	80	
	Clothing & Textiles	None Indicated to be Feasible		
	Food & Nutrition	Food & Nutrition 131	180	Lectures with Demonstrations
		Human Nutrition 334	60	
	Home Economics Education	None Indicated to be Feasible		

Classroom capacity of 60 students or more.

Signature of the Supervising Architect  
Technological College

CONCLUSION DRAWN FROM REPORT:

Based upon the preceding report it is the conclusion of this office that large classrooms and/or small auditoria may well be efficiently used with qualifications as listed in the report under "REMARKS".

Of the courses indicative of being suitable for instruction in large sections there are some which would need be broken down into smaller sections from time to time for the purposes of group discussion, problem solving, individual practice, testing and recitation. It was suggested by one department head, that such smaller groups could be staffed with graduate assistants while the larger general lectures would use the experienced teachers.

In order to accomplish such a system, a solution through scheduling would be necessary.



Rooms or Small Auditoria with a Capacity of 60 or More in use, Fall Semester 1959

led by Office of Supervising Architect and Miss Evelyn Clewell, Office of the Registrar,  
October 1959

BUILDING	ROOM NUMBER	SIZE OF ROOM	* CAPACITY	DEPARTMENTAL RESTRICTION PREFERRED
Administration Building	217 (With Stage)	29' X 43'	75 (Without Stage)	NO
	260	29' X 43'	120	NO
	219	23' X 47'	90	NO
	227	23' X 30'	60	NO
	264	23' X 30'	63	NO
	218	23' X 34'	75	NO
	265	23' X 32'	75	NO
	339	23' X 30'	60	NO
	364	29' X 29'	90	NO
Culture Building	205 (Auditorium Type Seating)	37'-6" X 58'	240	NO
Natural Science Building	102 (Auditorium Type Seating)	38' X 50'-6"	208	NO
	107	35' X 24'	72	NO
Library Building	101	40' X 54'	192	NO
	2	26' X 36'	80	NO
	116	26' X 30'	72	NO

BUILDING	ROOM NUMBER	SIZE OF ROOM	* CAPACITY	DEPARTMENTAL RESTRICTION OBSERVED
Engineering	01	44' X 25'	66	NO
Assembly - Auditorium	NONE			
Economics Building	105-106	32' X 54'	100	YES
Library	NONE			
Music	NONE			
Building	01 Choir Rm	48' X 54'	90	YES
	02 Band Rm	48' X 54'	120	YES
Chemical Engineering	NONE			
Building	208	24' X 40'	60	NO
Science Building	35	24' X 32'	60	NO
	44	24' X 32'	60	NO
	48	24' X 33'	60	NO
	153	24' X 36'	70	NO
	212	24' X 42'	90	NO
Building (by Structure)	NONE			
Building on	NONE			

BUILDING	ROOM NUMBER	SIZE OF ROOM	* CAPACITY	DEPARTMENTAL RESTRICTION PREFERRED
Primary Science Building	NONE			
Engineering Building	211	47' X 34'	112	NO
	262	26' X 51'	60	NO

1 Number Classrooms with Capacity of 60 or More = 27

1 Auditorium Type Classrooms = 2

1 Classrooms with Departmental Restriction Preferred = 3

Based on actual chair count, not necessarily ideal conditions.

Buildings Under Construction But Not Occupied at this Time, Fall Semester 1959

BUILDING	ROOM NUMBER	SIZE OF ROOM	* CAPACITY	DEPARTMENTAL RESTRICTION ESTABLISHED
File Engineering Bibliation	None of 60 Capacity or More			
File Engineering Bibliation	None of 60 Capacity or More			
Classroom - Office Building	134 (No. Scheduled on Working Drawings)	43' X 24'	62	NO
	140 (No. Scheduled on Working Drawings)	56' X 24'	84	NO
	233 (No. Scheduled on Working Drawings)	43' X 24'	62	NO

ed on 14 sq. ft. per student.

ce of the Supervising Architect, October 1959



THE BUILDINGS IN ADVANCED PLANNING STAGE, FALL SEMESTER, 1959

BUILDING	ROOM NUMBER	SIZE OF ROOM	* CAPACITY	DEPARTMENTAL RESTRICTION PREFERRED
Architecture- Lecture	151 (No. Scheduled on Working Drawings)	39' X 32'	100	NO
Business Administration	113-114 (Schedule on Working Drawings)	85' X 28'	142	YES
Physical Sciences	NONE OF 60 CAPACITY			
Law Library & Engineering Utilities	NONE OF 60 CAPACITY			

based on 14 sq. ft. per student.

by the Supervising Architect, October 1959

October 9, 1959

Mr. Travis William Miller said that an extension of 30 days could be granted on request with sufficient reasons. Request goes to Mr. Sindt stating that the architects have been working diligently on the preparation of the plans but that due to unavoidable problems, the plans were not ready at the time promised and additional time is going to be required. Request 30 day extension. He said that it would be possible to make another 30 day extension if it became necessary but he would suggest that the architects not be told in order that they might be prone to push the work harder.

He said that it is not too complicated, that is necessary to have the plans in the same desire, that union plans are more complicated to produce and there are more people to please. Time should be taken to produce the best possible.

*Wm. B. Peterson*

TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 51                      October 8, 1959

A meeting of the Campus Planning Committee was held at 8:30 a.m. on October 8, 1959 in Room 120 of the Administration Building. Members present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick, Colonel C. P. West, and Chairman M. L. Pennington. In addition, Mr. D. M. McElroy was present.

The meeting recessed at 12:35 p.m. and reconvened at 4:00 p.m.

652. Approval of Minutes

On motion by Mr. Barrick, seconded by Colonel West, the Minutes of Meeting No. 50 were approved.

653. President's Approval of Minutes

The Chairman reported that the President approved the Minutes of Meetings Nos. 49 and 50 on October 7, 1959.

654. Agricultural Plant Sciences Facilities

(Mr. Hoyse McMurtry, Mr. Howard Schmidt, and Mr. Bob Messersmith, Project Architects, entered the meeting at 10:40 a.m. for the discussion of this project and the Nuclear Reactor and Chemical Engineering project, which was discussed next. They left the meeting at 12:35 p.m.)

The architects presented the developments to date, which included the philosophy of design, layouts, elevations, and scale model. The various presentations were discussed and studied at length.

After full discussion, the CPC recommended that the progress to date, as listed above, be presented to the Building Committee of the Board of Directors at the meeting to be held at 4:00 p.m. on October 9, 1959. It was agreed to recommend the acceptance of the progress to date, subject to some additional study of the east end of the proposed project. In addition, it was agreed that the solar screen on the south side would be desirable as it would present a pleasing and rich effect if there is sufficient money in the budget.

The final plans and specifications are scheduled to be presented to the Board at the meeting on November 13, 1959.

655. Boiler and Housing

The steel strike is still on and the siding has yet to be shipped.

656. Chemical Engineering and Nuclear Reactor Building

In conjunction with the project architects, the CPC studied and discussed the floor plans, elevations, material schedule, samples of the proposed colored materials, specifications, and the model.

Mr. Barrick estimated that the architectural drawings are about 95% complete and the mechanical drawings about 60%. The reason that the mechanical plans are no more complete is that Convair-Fort Worth has not prepared and submitted all of the information needed from them. Convair-Fort Worth is to prepare the Hazards Survey for presentation to the AEC, and the detailed information can be included by them at the time of submission.

656. Chemical Engineering and Nuclear Reactor Building (continued)

After detailed discussion and consideration, the CPC recommended that the plans and specifications, as presented, be approved for the purpose of the preparation of the Hazard Survey and that the development of the plans and specifications for final approval be continued until they are fully prepared. It is hoped that the final plans and specifications will be ready for the meeting of the Board of Directors on November 13, 1959.

It has been agreed, in the past, that the final plans and specifications will be prepared to provide the necessary information for the Hazard Survey but that bids will not be taken until permission has been received from the AEC to construct the Reactor.

657. Classroom and Office Building

- A. The construction progress is still about the same and it could reasonably be very much better.
- B. The Chairman reported that he had written a letter to the architects, dated October 6, 1959, as requested at the last meeting of the CPC. The letter is attached to and made a part of the Minutes. (Attachment No. 147, page 397)

658. Computer-Architecture

As authorized by the Board of Directors, bids were opened and read aloud at 2:00 p.m. on October 8, 1959 in the Aggie Auditorium in the presence of approximately 96 interested persons. A tabulation of the bids is attached to and made a part of the Minutes. (Attachment No. 148, page 398)

H. A. Lott, Inc., of Houston, was the low bidder with a base bid of \$611,611. The budgeted amount for the project is \$625,000. An alternate bid, as instructed by the Board, was taken on the additional bay for the Computer Section. H. A. Lott, Inc., bid \$35,500 for the additional bay. It had been previously agreed, in keeping with the air conditioning survey prepared by Zumwalt and Vinther, that the air conditioning would be by zone control and the Computer-Architecture Building would be designed to hold the 150 tons of air conditioning equipment. One-half of the equipment is properly chargeable to the Chemical Engineering-Nuclear Reactor project.

It is the recommendation of the CPC that the low bid be accepted, subject to the approval of the contractor by the Board, in the amount of \$611,611, and Alternate No. 2 in the additional amount of \$900, to reface the west end of the south wing of the West Engineering Building with the standard Texas Tech brick, be accepted, making a total contract of \$612,511. The architects' fees at 5% would amount to \$30,625.55. It is the additional recommendation of the CPC that \$20,000 be transferred from the Chemical Engineering-Nuclear Reactor project to the Computer-Architecture project for one-half of the estimated cost of the air conditioning equipment. The total budget for the project would then be \$645,000, total expenditures \$643,136.55, leaving a contingency fund of \$1,863.45.

The figures would be as follows:

<u>Income</u>		<u>Expenditures</u>	
Original Budget	\$625,000.00	Base bid	\$611,611.00
Plus transfer from		Alternate No. 2	900.00
Chemical Engineering-		Architects' Fees	30,625.55
Nuclear Reactor	20,000.00		
Total - - - - -	<u>\$645,000.00</u>	Contingencies	1,863.45
		Total Income	<u>\$645,000.00</u>

658. Computer-Architecture (continued)

There are insufficient funds in the project to accept the alternate for the additional Computer Bay or the other alternates.

659. Flint Street

The Chairman reported that the executed copies of the instruments necessary for reimbursement from the City were mailed on October 3, 1959.

660. Library

Mr. Barrick reported that the plans are progressing orderly and methodically.

661. Mechanical Engineering Shops

As agreed at the last meeting of the CPC, the project architects sent out revised copies of the proposed elevations, with the attached letter of transmittal. (Attachment No. 149, page 399)

The schedules were labeled Schemes A, B and C in the order of preference of the project architects. Scheme A has the straight line on the north elevation with no break in the parapet wall, Scheme B has an ornament over the windows, and Scheme C has the finials over the windows.

After careful study of the drawings and since the architects stated that they have been prepared in keeping with the request of the Campus Planning Committee and, further, since the project architects have the responsibility of designing the exterior, it is recommended that the architects be requested to draw the exterior as they think that it should be done and submit their interpretations to the CPC. The drawings should be in sufficient detail for presentation to the Board.

It was agreed that the drawings would be presented to the Building Committee of the Board at the meeting to be held at 4:00 p.m. on October 9, 1959.

662. Operating Procedures

- A. Key Control -- The CPC discussed the acute needs for adequate key control to maintain the security of the buildings on the campus and expressed grave concern over the lack of the proper handling of keys. The proprietary keyway has been developed and is to be used in future buildings in an attempt to prevent easy duplication of keys. The Textile Engineering Addition and the Classroom and Office Building will be the first projects equipped with the proprietary keyway. A proposed Policy Procedure No. 4A, dated June 3, 1959, was again discussed and it was agreed that it would be a possible starting point to develop revised procedures for proper key handling. With the advent of the proprietary keyway, it was agreed that changes probably would be needed but a start has to be made somewhere. The policy is attached to and made part of the Minutes. (Attachment No. 150, page 400)

If the amount of the deposit should be anywhere near the amount set out, it was agreed that it might be possible to use the deposits to buy shares in the Texas Tech Credit Union in the name of the depositor in order that he could receive investment income from the deposit during the time it would be pledged for the safe return of the key. It was agreed that the current 50¢ deposit is completely inadequate and that a number of key holders waive the deposit rather than go to the trouble to return the key. The present deposit is of little value to the holder or the College but the return of the key is vital to proper security.

It was agreed that further consideration would be given to the development of proper procedures for key control.



663. Other BusinessA. Legislative Appropriation for Major Repairs and Rehabilitations for 1959-60

1. Reroofing of the 18 Temporary Buildings -- \$6,464 - Colonel West reported that he had placed requisitions for the necessary material and plans are underway to make the repairs and the renovations.
2. Improve Lighting Facilities in Classroom and Laboratories in Offices in the Agriculture Building -- \$10,290 -- Colonel West reported that the information from Dean Elle has been received and that the necessary plans to implement the improvement are being made.
3. Replace Gas Line to Farm Areas -- \$4,500 -- It was agreed to defer action on the report of Mr. Ray Downing, attached to the Minutes of Meeting No. 50, until a later meeting.
4. Repointing Stone and Brick Work and Waterproofing Exterior of Science and Chemistry Buildings -- \$41,800 -- Mr. Barrick reported that he had written the waterproofing company for advice and had received no reply to date. The information is badly needed before plans can be made for the necessary work. Mr. Barrick stated that he will follow-up on the request if information is not received soon.

B. Required Report for Legislative Budget Board on Contemplated Buildings in Keeping with H. B. 4 -- The plot plan and information is still in the process of preparation by Mr. Urbanovsky and his staff.

C. Large Classrooms and Auditoriums -- Mr. Barrick reported that the survey is finished and being typed at the present time. It will be ready for presentation to the Building Committee of the Board on October 9, 1959. The report will be attached to and made part of the Minutes. (Attachment No. 151, page 401)

D. Space Allocations -- It was agreed that it will be necessary to work up proper procedures for notification of available space in the new and old buildings as a result of the building program.

Mr. McElroy agreed to study the problem and make a recommendation to the CPC at a future meeting.

664. Physical Plant Facilities

- A. Not all of the information has been received from the departments to date, but it is hoped that the final plans and specifications will be ready for presentation to the Board of Directors at the meeting to be held November 13, 1959.
- B. The Chairman reported that he had notified Dean Jones of the action of the CPC and the approval of the President in keeping with Item No. 621A of the Minutes, dated September 15, 1959.

665. Printing Press

- A. Mr. Barrick reported that the plans and specifications for the Printing Press are at the same point as those for the Physical Plant Facilities.
- B. Mr. Benge Daniel, Manager of the Texas Tech Press, has the schematic plans at the present time and is checking them.

666. Relocation of Farm Facilities

- A. Revised Estimate on Meats Lab -- Mr. Barrick reported that no further information has been received from the suppliers of materials and that tracers have been sent. If the suppliers fail to furnish the cost figures, it will be necessary to go ahead and make an estimate without their help. The estimate is vital to the overall project as the cost will affect the planning of the entire program.
- B. The study by Mr. Urbanovsky and his staff on the new areas, to see what can be done to accommodate Dr. Young's needs, is still in progress.

667. Science Addition

Mr. Barrick reported that his staff has just about completed a layout worthy of consideration and it will be presented to the three Science Department Heads after the Board Meeting. It is hoped that the preliminary plans may be presented to the Board of Directors at the meeting to be held November 13, 1959.

668. Student Union

The project architects submitted the section study and space and cost analyses on the sunken courts at the time agreed. The section study and space and cost analyses, and the proposed elevations were discussed at length by the CPC.

It was pointed out that the final plans and specifications were due from the project architects on October 3, 1959 for presentation to the HHFA with the full application for the loan, before the deadline. In view of the information submitted by the project architects to date, it looks as if it will be impossible to have the final information available in time for the full application as scheduled and that it will be necessary to ask the HHFA for an extension after all. The Chairman is to call the HHFA on October 9, 1959, and have the information for the Building Committee at the meeting, if at all possible.

It was agreed to present the material received to date to the Building Committee and discuss the problem with them.

669. Textile Engineering

- A. Mr. Barrick reported that three of the laboratories on the second floor were occupied last Saturday and the rest of the second floor will be available for use this week. The remaining portion of the project should be ready in the next week or ten days and the contractor will just about hit his deadline of October 15, 1959, on the nose.
- B. Mr. Barrick reported that it is necessary to move into the facilities without waiting for Mr. Cheatham to complete the floor. He will have to come in later to complete his contract.

670. Women's Gym

Mr. Barrick reported that the project architects are to have the final plans and specifications, in keeping with prior recommendation of the CPC and approval of the Board, for consideration by the Building Committee at the meeting to be held on October 9, 1959.

670. Women's Gym (continued)

It was recommended that the plans and specifications be approved by the Board of Directors, through the Building Committee, and that authorization be received to advertise for bids and award the contract at the meeting of the Board of Directors to be held December 12, 1959.

M. L. Pennington  
Chairman

The meeting adjourned at 6:20 p.m. The next meeting is scheduled in connection with the Building Committee of the Board of Directors at 4:00 p.m. on October 9, 1959.

Campus Planning Committee  
October 8, 1959  
Attachment No. 147  
Item 657B

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TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

Office of the Vice President  
and Comptroller

October 6, 1959

Mr. R. Turner Kimmel  
Butler-Kimmel Company  
412 Avenue M  
Lubbock, Texas

Dear Mr. Kimmel:

Subject: Classroom - Office Building  
Texas Technological College

At the meeting on last Thursday, the Campus Planning Committee expressed extreme concern over the lack of progress by the contractor, S. R. Duncan & Son, on the above referenced project. Repeated attempts have been made by both you and the College Architect to have the rate of completion accelerated without noticeable results.

It has been the feeling of the College that the contractor has failed, if not actually refused, to engage sufficient mechanics to provide reasonable progress and the College is suffering as a result. The schedule for the fall semester, as originally planned, included use of the building and the pinch becomes greater each day.

Can you offer any suggestion to force the contractor to improve the rate of completion? Do you think that the contractor is making a bonafide effort? If not, is there some means of getting the project completed to alleviate the dire problem of space for the College?

I shall be most grateful to you for your suggestions.

Very sincerely yours,

/s/ M. L. Pennington

M. L. Pennington  
Vice President and  
Comptroller

MLP:d (g)

## TABULATION OF BIDS

ARCHITECTURE-COMPUTER BUILDING  
TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

Bid Opening: October 8, 1959

B I D D E R	BASE BID	A L T E R N A T E S				BID GUAR- ANTEE
		1	2	3	4	
Warner Construction Co. - San Angelo	\$614,300	\$ <sup>+</sup> 35,500	\$ <sup>+</sup> 1,450	\$ <sup>+</sup> 4,600	\$ <sup>-</sup> 10,840	x
V & N Construction Company - Lubbock	637,148	<sup>+</sup> 35,000	<sup>+</sup> 650	<sup>+</sup> 4,700	<sup>-</sup> 11,500	x
Charles Ramsey & Company - Lubbock	648,000	<sup>+</sup> 37,800	<sup>+</sup> 3,000	<sup>+</sup> 4,650	<sup>-</sup> 10,000	x
H. A. Padgett, Jr. - Lubbock	666,475	<sup>+</sup> 36,975	<sup>+</sup> 3,541	<sup>+</sup> 4,100	<sup>-</sup> 10,628	x
J. M. Odom Construction Co. - Austin	629,600	<sup>+</sup> 36,500	<sup>+</sup> 900	<sup>+</sup> 4,400	<sup>-</sup> 10,000	x
Newton Construction Co., Inc. - Odessa	622,865	<sup>+</sup> 34,318	<sup>+</sup> 982	<sup>+</sup> 5,000	<sup>-</sup> 10,000	x
W. G. McMillan Constn. Co. - Lubbock	645,900	<sup>+</sup> 37,532	<sup>+</sup> 2,784	<sup>+</sup> 4,400	<sup>-</sup> 10,628	x
Carl E. Maxey Constn. Co. - Lubbock	N.B.					x
H. A. Lott, Inc. - Houston	611,611	<sup>+</sup> 35,500	<sup>+</sup> 900	<sup>+</sup> 4,300	<sup>-</sup> 11,000	x
A. P. Kasch & Sons - Big Spring	638,124	<sup>+</sup> 38,000	<sup>+</sup> 3,700	<sup>+</sup> 4,370	<sup>-</sup> 10,985	x
W. R. Grimshaw Company - Odessa	652,534	<sup>+</sup> 36,893	<sup>+</sup> 1,535	<sup>+</sup> 4,569	<sup>-</sup> 10,500	x
S. R. Duncan & Associates - Lubbock	674,669	<sup>+</sup> 35,917	<sup>+</sup> 3,525	<sup>+</sup> 4,621	<sup>-</sup> 11,239	x
Cain & Cain - Fort Worth	676,577	<sup>+</sup> 38,262	<sup>+</sup> 1,320	<sup>+</sup> 4,807	<sup>-</sup> 10,000	x
Frank O. Bennett, Jr. - Lubbock	N.B.					
W. B. Abbott & Company - Lubbock	634,217	<sup>+</sup> 32,777	<sup>+</sup> 1,966	<sup>+</sup> 4,500	<sup>-</sup> 11,000	x



Campus Planning Committee  
October 8, 1959  
Attachment No. 149  
Item 661

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ATCHESON, ATKINSON AND CARTWRIGHT  
1009 TEXAS AVENUE  
LUBBOCK, TEXAS

October 7, 1959

Texas Technological College  
Lubbock,  
Texas

Gentlemen:

Re: Mechanical Engineering  
Shop Building

We enclose herewith for your review three studies of the above building, showing alternate treatments of the upper exterior wall area. These drawings contain other revisions in the exterior styling requested by the Campus Planning Committee.

These sketches are identified as Schemes A, B and C, and our preference of the designs is in that order.

Very truly yours,

ATCHESON, ATKINSON & CARTWRIGHT

/s/ Atmar L. Atkinson

Atmar L. Atkinson

ALA:jj

Enclosures

Campus Planning Committee  
 October 8, 1959  
 Attachment No. 150  
 Item 662A

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TEXAS TECHNOLOGICAL COLLEGE  
 LUBBOCK, TEXAS  
 June 3, 1959

POLICY PROCEDURE NO. 4A

SUBJECT: ISSUE REPLACEMENT OF KEYS

DISTRIBUTION: ALL DEANS, DEPARTMENT HEADS, AND ADMINISTRATIVE STAFF.

Policy Procedure No. 4, same subject, dated April 17, 1958, is amended as follows:

VIII. (Added)

- A. A Restrictive Keyway system is contemplated for college buildings.

This system possesses several advantages over the systems now in use. However, once the system is compromised, considerable expense results from re-keying and re-cylindering. The loss, loan, or neglect of key security must be prevented.

- B. Deposits for keys for the Restrictive Keyway system are as follows:

1. Great Grand Master -----\$20.00
2. Grand Master -----\$15.00
3. Master -----\$10.00
4. One lock key -----\$5.00

- C. Deposits may be waived by the Vice President & Comptroller provided the Department Head has adequate security measures for control of keys issued to the members of his department, and is willing to assume this responsibility for those keys issued.

- D. Prior to receipt of final pay, an employee terminating employment is required to turn in all keys, property of the college. A written clearance receipt signed by the College Locksmith will be presented to the College Auditor as evidence of having turned in keys which were issued by the College Locksmith.

1. This provision does not apply to Dormitory students since the Dormitory Supervisors are responsible for individual room keys.
2. This provision does not apply to personnel whose contract is for a nine months' period and whose contract will be renewed for the following nine months' period.

- E. Employees will not loan or permit the use of any of the keys to any other individual, nor will duplicates of such keys be permitted to be manufactured.

Campus Planning Committee  
 October 8, 1959  
 Attachment No. 151  
 Item 663C

COURSES SUITABLE FOR INSTRUCTION IN LARGE SECTIONS\*

Compiled report from information furnished by Deans of Schools and Heads of Departments.

SCHOOL	DEPARTMENT	COURSE TITLE & NUMBER	MAXIMUM ESTIMATED CAPACITY CONSIDERED TO BE PRACTICABLE	REMARKS
Business Administration	Management	Professional Careers in Business - 110	150	
		Industrial Management 331	150	
	Economics & Finance	Development of American Busi- ness & economic Institutions I, 133	200 Plus	
		Development of American Business & Economic Institutions II, 134	200 Plus	
		Corporation Finance 331	100 Plus Might Be Feasible	
		Personal Finance 231	100 Plus Might Be Feasible	
	Accounting	None Indicated to be Feasible		
	Business Education & Secretarial Administration	None Indicated to be Feasible		
	Marketing	None Indicated to be Feasible		

COL

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COL	DEPARTMENT	COURSE TITLE & NUMBER	MAXIMUM ESTIMATED CAPACITY CONSIDERED TO BE PRACTICABLE	REMARKS
ulture	Animal Husbandry	General Animal Husbandry 131	150	
		Breeds of Livestock 231	110	
	Agricultural Economics	Fundamentals of Agricultural Economics 235	150	
		Principles of Marketing Agricultural Products 236	150	
	Horticulture & Park Management	None Indicated to be Feasible		
	Dairy Industry	Principles of Dairying 131	150	48 is a Preferable size but possible to carry 150
	Agronomy	Fundamentals of Agronomy 131	60	Would require smaller sections for discussion & recitation periods
		Soils 241	60	
		Principles of Genetics 341	60	
	Agricultural Education	None Indicated to be Feasible		
	Agricultural Engineering	Agricultural Surveying & Land Mapping 222	100	However, total enrollment rarely would reach this number
		Irrigation Principles 335	100	

SCHOOL

DEPARTMENT

COURSE  
TITLE & NUMBERMAXIMUM  
ESTIMATED  
CAPACITY  
CONSIDERED  
TO BE  
PRACTICABLE

REMARKS

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Health, Physical Education & Recreation for Men	Introduction to Physical Education Activities 010	100	
Health, Physical Education & Recreation for Women	None Indicated to be Feasible		
Psychology	Introduction to Psychology 130	200	Would require smaller quiz sections of 25-30 students per section
	General Psychology 230	200	
	Child Psychology 331	200	
	Adolescent Psychology 335	200	
Government	American Govt., Organization 233	200 Practicable but not Preferred	
	American Govt., Functions 234	200 Practicable but not Preferred	
Biology	Biology 133 (Botany)	80	
	Biology 134 (Zoology)	80	
Journalism	Introduction to Journalism 130	90	
Air Science	General Assembly of Cadet Corp Graduation	500	
		100	



SCHOOL

DEPARTMENT

COURSE  
TITLE & NUMBERMAXIMUM  
ESTIMATED  
CAPACITY  
CONSIDERED  
TO BE  
PRACTICABLE

REMARKS

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Music

Programming  
of Special  
Band Concerts,  
Orchestra, Choral  
& Operatic  
Organizations,  
Recitals, Band  
Clinic, Choir  
Clinic

Auditorium  
Seating Capacity  
750

App. Music  
025 - 446,  
Piano

App. Music  
025 - 446  
Voice

App. Music  
025 - 446  
Organ

App. Music  
025 - 436  
Violin

App. Music  
025 - 436  
Violoncello

App. Music  
025 - 436  
Viola

App. Music  
025 - 436  
Double Bass

App. Music  
115 - 436  
Flute

App. Music  
115 - 436  
Oboe

App. Music  
115 - 436  
Clarinet

App. Music  
115 - 436  
Bassoon

SCHOOL	DEPARTMENT	COURSE TITLE & NUMBER	MAXIMUM ESTIMATED CAPACITY CONSIDERED TO BE PRACTICABLE	REMARKS
ts & lences Con't	Music Con't	App. Music 115 - 326 Saxophone		
		App. Music 425 - 436 Trombone		
		App. Music 115 - 436 Baritone		
		App. Music 113, 114 Perccission		
		App. Music 1113, 1114 Voice		
		App. Music 1123, 1124 Piano		
		App. Music 213, 214 Strings		
		App. Music 2113, 2114 Voice		
		App. Music 2123, 2124 Piano		
		App. Music 313, 314 Brass Instruments		
		App. Music 413, 414 Woodwinds	140 each	Student Recitals
		Introduction to Music Literature 131 - 132	150	

SCHOOL	DEPARTMENT	COURSE TITLE & NUMBER	MAXIMUM ESTIMATED CAPACITY CONSIDERED TO BE PRACTICABLE	REMARKS
Arts & Sciences Con't	Music Con't	Ensemble 013 B (Symphonic Winds)	120	Cannot program at this time because space not available
	Geology	None Indicated to be Feasible		
	Physics	None Indicated to be Feasible		
	Chemistry & Chemical Engineering	General Chemistry 141	500	
		General Chemistry 142	500	
	English			Advanced English courses could be taught in groups of 75 maximum.
	History Anthropology & Sociology	History 231 (U.S. to 1865)	200	
		History 232 (The U.S. Since 1865)	200	
		History 235 (Survey of Texas History)	200	
	Education & Philosophy	Introduction to Education 130	60	Such a section possible but prefer classes no larger than 30
	Foreign Languages	None Indicated to be Feasible		
	Military Science & Tactics	None Indicated to be Feasible		

7

SCHOOL	DEPARTMENT	COURSE TITLE & NUMBER	MAXIMUM EXTIMATED CAPACITY CONSIDERED TO BE PRACTICABLE	REMARKS
	Mathematics & Astronomy	Introductory Geometry 032	120 - 150	Such sections would then re- quire smaller sections, held by teaching fellows, for practice work.
		Introductory Algebra 051		
		College Algebra 052		
		Algebra 130		
		Trigonometry 131		
		Alalytic Geometry 132		
		College Algebra 133		
		Mathematics in General Education 135		
		Mathematics of Finance 138		
	Speech	None Indicated to be Feasible		
Engineering	Architecture & Allied Arts	Principles of Design 141	100	With quiz sections of smaller size, these could be of unlimited size for general lecture.
		Principles of Design 142	100	
		History of Ancient Architecture 221	100	
		History of Medieval Architecture 222	50 - 60	

SCHOOL

DEPARTMENT

COURSE  
TITLE & NUMBERMAXIMUM  
ESTIMATED  
CAPACITY  
CONSIDERED  
TO BE  
PRACTICABLE

REMARKS

Engineering

Architecture  
& Allied ArtsHistory of  
Early American  
Architecture  
321

50 - 60

History of  
Renaissance  
Architecture  
322

50 - 60

History of  
Modern  
Architecture  
323

50 - 60

Allied Arts  
131

70 - 80

Electrical  
EngineeringPrinciples of  
Electrical  
Engineering  
231

100

Textile  
Engineering

None Indicated to be Feasible

Civil  
EngineeringC.E. 330  
Structures

65

C.E. 431  
Reinforced  
Concrete

65

C.E. 433  
Structures

65

C.E. 434  
Structures

65

Mechanical  
Engineering

None Indicated to be Feasible

Petroleum  
Engineering

None Indicated to be Feasible

Industrial  
Engineering  
&  
Engineering  
DrawingIndustrial  
Relations  
321

150



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SCHOOL	DEPARTMENT	COURSE TITLE & NUMBER	MAXIMUM ESTIMATED CAPACITY CONSIDERED TO BE PRACTICABLE	REMARKS
Engineering Con't	Industrial Engineering & Engineering Drawing Con't	Safety Engineering 435	150	Possible in this number, but prefer not over 30 per class
		Industrial Procurement 423	150	
Home Economics	Home and Family Life	Marriage 235	200-300	Groups of 20-30 for Discussion periods
		Family Relations 433	100-200	
	Applied Arts	Art Applied to Daily Living 131	180-200	Combining the lecture for 337-338 a propos- ed plan for future
		Art in Elementary Education 337-338 (Under a Combined General Lecture)	80	
	Clothing & Textiles	None Indicated to be Feasible		
	Food & Nutrition	Food & Nutrition 131	180	Lectures with Demonstrations
		Human Nutrition 334	60	
	Home Economics Education	None Indicated to be Feasible		

Classroom capacity of 60 students or more.

In presence of the Supervising Architect  
Technological College

CONCLUSION DRAWN FROM REPORT:

Based upon the preceding report it is the conclusion of this office that large classrooms and/or small auditoria may well be efficiently used with qualifications as listed in the report under "REMARKS".

Of the courses indicative of being suitable for instruction in large sections there are some which would need be broken down into smaller sections from time to time for the purposes of group discussion, problem solving, individual practice, testing and recitation. It was suggested by one department head, that such smaller groups could be staffed with graduate assistants while the larger general lectures would use the experienced teachers.

In order to accomplish such a system, a solution through scheduling would be necessary.

Classrooms or Small Auditoria with a Capacity of 60 or More in use, Fall Semester 1959

Compiled by Office of Supervising Architect and Miss Evelyn Clewell, Office of the Registrar,  
October 1959

BUILDING	ROOM NUMBER	SIZE OF ROOM	* CAPACITY	DEPARTMENTAL RESTRICTION PREFERRED
Administration Building	217 (With Stage)	29' X 43'	75 (Without Stage)	NO
	260	29' X 43'	120	NO
	219	23' X 47'	90	NO
	227	23' X 30'	60	NO
	264	23' X 30'	63	NO
	218	23' X 34'	75	NO
	265	23' X 32'	75	NO
	339	23' X 30'	60	NO
	364	29' X 29'	90	NO
Agriculture Building	205 (Auditorium Type Seating)	37'-6" X 58'	240	NO
Cultural Engineering Building	102 (Auditorium Type Seating)	38' X 50'-6"	208	NO
	107	35' X 24'	72	NO
History Building	101	40' X 54'	192	NO
	2	26' X 36'	80	NO
	116	26' X 30'	72	NO

BUILDING	ROOM NUMBER	SIZE OF ROOM	* CAPACITY	DEPARTMENTAL RESTRICTION PREFERRED
Engineering	01	44' X 25'	66	NO
Gymnasium - Laboratory	NONE			
Economics Building	105-106	32' X 54'	100	YES
Library	NONE			
Gym	NONE			
Ac Building	01 Choir Rm	48' X 54'	90	YES
	02 Band Rm	48' X 54'	120	YES
Petroleum Engineering	NONE			
Science Building	208	24' X 40'	60	NO
Science Building	35	24' X 32'	60	NO
	44	24' X 32'	60	NO
	48	24' X 33'	60	NO
	153	24' X 36'	70	NO
	212	24' X 42'	90	NO
Ac Building (ory Structure)	NONE			
Judging Hall	NONE			

BUILDING	ROOM NUMBER	SIZE OF ROOM	* CAPACITY	DEPARTMENTAL RESTRICTION PREFERRED
terinary Science lding	NONE			
st Engineering lding	211	47' X 34'	112	NO
	262	26' X 51'	60	NO

al Number Classrooms with Capacity of 60 or More - 27

al Auditorium Type Classrooms - 2

al Classrooms with Departmental Restriction Preferred - 3

ased on actual chair count, not necessarily ideal conditions.



Buildings Under Construction But Not Occupied at this Time, Fall Semester 1959

BUILDING	ROOM NUMBER	SIZE OF ROOM	* CAPACITY	DEPARTMENTAL RESTRICTION PREFERRED
tile Engineering abilitation	None of 60 Capacity or More			
tile Engineering ition	None of 60 Capacity or More			
ssroom - Office lding	134 (No. Scheduled on Working Drawings)	43' X 24'	62	NO
	140 (No. Scheduled on Working Drawings)	56' X 24'	84	NO
	233 (No. Scheduled on Working Drawings)	43' X 24'	62	NO

ed on 14 sq. ft. per student.

lce of the Supervising Architect, October 1959

BUILDINGS IN ADVANCED PLANNING STAGE, FALL SEMESTER, 1959

BUILDING	ROOM NUMBER	SIZE OF ROOM	* CAPACITY	DEPARTMENTAL RESTRICTION PREFERRED
Architecture- Computer	151 (No. Scheduled on Working Drawings)	39' X 32'	100	NO
Engineering Auditorium	113-114 (Schedule on Working Drawings)	85' X 28'	142	YES
Physical Sciences	NONE OF 60 CAPACITY			
Chemical Engineering Laboratory & Physical Sciences	NONE OF 60 CAPACITY			

based on 14 sq. ft. per student.

by the Supervising Architect, October 1959

TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 52                      October 9, 1959

A joint meeting of the Building Committee of the Board of Directors and the Campus Planning Committee was held on October 9, 1959 at 4 p.m. in the Office of the President. Members of the Building Committee present were Mr. J. Evetts Haley, Chairman, Mr. Harold Hinn, and Mr. Wilmer Smith. Other Board members present were Chairman C. I. Wall and Mr. Floyd Wooldridge. Members of the Campus Planning Committee present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick and Chairman M. L. Pennington. Others present were Dr. R. C. Goodwin, Mr. John G. Taylor and Mr. D. M. McElroy.

The Building Committee took the following actions:

671. Agricultural Plant Sciences Building

Approved the recommendations of the CPC of the progress to date including the layouts, elevations, philosophy of design and scale model.

672. Chemical Engineering and Nuclear Reactor

Approved the plans and specifications to date for use in the preparation of a Hazard Summary Report by Convair-Fort Worth for AEC.

673. Computer-Architecture

Studied the bids and agreed to recommend to the Board that the transfer from the Chemical Engineering and Nuclear Reactor project and Alternates Nos. 1 and 2 be approved and that decision on award of the contract be referred to the full Board.

(the following is the action of the Board at the meeting held on October 10, 1959 and is entered here for early record purposes):

Awarded the base contract in the amount of \$614,300 to the Warner Construction Company of San Angelo. Accepted Alternate No. 1 to provide the additional bay in the Computer Section for \$35,500. Accepted Alternate No. 2 to reface the west end of the south wing of the West Engineering Building.

Approved the transfer of \$20,000 from the budget for the Chemical Engineering and Nuclear Reactor Building to the Computer-Architecture Building to cover the estimated cost of one-half of the air conditioning equipment and authorized the Chairman to execute the necessary contracts and documents.

The additional bay to the Computer Section is to serve as a classroom until the large Univac-type Computer is received.

A summary of the project, as now stands, is as follows:

Original Budget- - - - -	\$625,000
Transferred from Chemical Engineer- ing and Nuclear Reactor- - - - -	<u>20,000</u>
Total - - - - -	<u><u>\$645,000</u></u>

673. Computer-Architecture (continued)

## Contract Requirements:

Base Bid - - - - -	\$614,300.00
Alternate No. 1 - - - - -	35,500.00
Alternate No. 2 - - - - -	<u>1,450.00</u>
Subtotal- - - - -	<u>\$651,250.00</u>
Architects' Fees (5%)	32,562.50
Total- - - - -	<u>\$683,812.50</u>

674. Mechanical Engineering Shops

Considered the exterior styling as developed to date and voted to refer the study back to the Project Architects for additional work to be presented at a later date.

675. Operating ProceduresA. Large Classrooms

Accepted the survey and discussed it briefly. It will be used as part of the study of the needs for large classrooms.

B. Exterior Styling Policy

The Board of Directors approved the following Resolution at the meeting on Saturday, October 10, 1959, and it is shown here in order to be of record in the CPC Minutes for early reference:

"Resolved that the Board looks with strong favor upon the continued use of the traditional design of Spanish Renaissance Style of Architecture now in use in most of the campus buildings."

676. Student Union

Approved the request to the HHFA for an extension of 30 days to complete the plans and file the full application for financing.

Considered the developments on the Student Union to date and voted to request the Project Architects to restudy the project and submit their developments for approval. The development is to be more in line with the traditional style.

677. Women's Gym

The approval of final plans and specifications, authorization to advertise for bids and to open bids, and present recommendations to the Board, were referred to the Building Committee with the following items to take into consideration:

The tile over the windows in the one-story section is to be changed to stone as recommended by Mr. Barrick. The retaining wall is to be changed from brick to stone as recommended by Mr. Barrick.

Stone is to be used in place of tile on the lower band of the gymnasium portion as recommended by Mr. Barrick.

Study the use of roof tile over the entrance with the arches.

M. L. Pennington  
Chairman

The meeting adjourned at 6:00 p.m.

TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 53      October 13, 1959

A Special Meeting of the Campus Planning Committee was held at 5:00 p.m. on October 13, 1959, in Room 120 of the Administration Building. Members present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick, Colonel C. P. West and M. L. Pennington, Chairman. Others present were Mr. D. M. McElroy and the Project Architects, Mr. James Atcheson and Mr. Atmar Atkinson.

678. Mechanical Engineering Shops

The Chairman reported that he had met with Mr. Atcheson and Mr. Atkinson on Monday, October 12, 1959, and conveyed the Board's request for additional studies on the project.

The Project Architects had devoted all of their time since the meeting to study of the Student Union and had not had time to produce revised sketches of the Mechanical Engineering Shops, but will do so rapidly as time permits.

679. Student Union Building

The Chairman reported that he had conveyed the Board's request for new studies to the Project Architects and that the meeting today is a result of the information conveyed to them yesterday.

They presented revised studies showing the ballroom on the first floor and the dining room on the basement floor. They explained the advantages that could accrue from the reversal. The change could save as much as \$18,000 on the floor framing and a substantial amount on the proposed sunken gardens. The studies were made in an attempt to see if it would be more economical to reverse the location of the proposed functions without sacrificing any of the desired features. There had been insufficient time to make outside studies or complete an estimate of cost on the revised ideas.

The possibility of placing the ballroom, dining room and kitchen all on the same floor was studied, with the other features to be on the top or lower floor. Also, the possibility of providing some economical basement space under the arrangement was discussed.

It was agreed that the architects would study the last idea and present their findings to the CPC at a meeting to be held Tuesday, October 20, 1959.

M. L. Pennington  
Chairman

The meeting adjourned at 6:40 p.m.



TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 54      October 20, 1959

A meeting of the Campus Planning Committee was held at 8:30 a.m. on October 20, 1959 in Room 120 of the Administration Building. Members present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick, Colonel C. P. West, and M. L. Pennington, Chairman. In addition, Mr. D. M. McElroy was present.

680. Approval of Minutes

On motion by Mr. Urbanovsky, seconded by Colonel West, the Minutes of Meetings Nos. 51, 52 and 53 were approved with the following correction to Item No. 602, page 373:

"The Building Committee of the Board approved . . .  
rather than of the Campus Planning Committee . . .  
as it now reads."

681. Agricultural Plant Sciences Facilities

- A. The final plans and specifications are still scheduled for presentation to the Board of Directors on November 13, 1959.
- B. Site -- Whether or not it should be recommended that the building be located on a site closer to the other Agricultural Facilities was discussed at length. It was pointed out that other locations had been considered. The timing of the construction schedule prevented the location west of the plot being reserved for the Library. The function of the building is specialized rather than general and, therefore, causes no disadvantage by being a bit remote from the center of activity.
- C. Mr. Barrick reported that he met with the architects on Monday, following the Board meeting, and requested them to do more studies on the east end. Also, he requested the architects to evaluate the design of the proposed facility in view of the sentiments expressed at the Board meeting. The architects are to present their evaluations as soon as completed.

682. Boiler and Housing

The steel strike is still in effect. The Teamsters Union refuses to deliver the siding.

683. Chemical Engineering and Nuclear Reactor

The final plans and specifications are still scheduled for presentation to the Board on November 13, 1959. If the approved procedures are followed at that time, no further action will be taken until the AEC has approved the Hazard Summary Survey and the grant for the Reactor.

684. Classroom and Office Building

- A. No noticeable improvement in progress of construction has been made. As of this time, it looks doubtful that the building can be completed before the beginning of the second semester.
- B. The Chairman read the reply from Butler - Kimmel, under date of October 14, 1959, and a letter from Mr. S. R. Duncan of S. R. Duncan and Associates, the Contractor, under date of October 16, 1959. The letters are attached to and made a part of the Minutes. (Attachments Nos. 148 and 149, pages 409 and 410)

685. Computer - Architecture

The contract has been prepared in keeping with the action of the Board of Directors on October 10, 1959, and has been executed by the Warner Construction Company of San Angelo. The contractor is scheduled to move onto the site in the next few days. ✓

686. Flint Street

The Chairman reported that checks totaling \$76,219.40 were received from the City of Lubbock on October 17, 1959, in keeping with the terms of the agreement between the City of Lubbock and the Board of Directors on July 8, 1958. In addition, \$1,000 was included for moving the sewer line which parallels Nineteenth Street. At the time of the agreement, it was not known that it would be necessary to move the sewer line.

687. Library

Mr. Barrick reported that he and Mr. Pitts had attended the same meeting in Austin. Mr. Pitts reported to him that the plans are progressing nicely. Mr. Pitts was of the opinion that the working drawings may have progressed to the point that it might be justifiable to have a meeting to discuss the development and wondered if the Chairman of the Board would like for him to present the progress to the Building Committee and the CPC. ✓

688. Married Student Housing

From time to time, the question of married student housing has been discussed and one of the last entries in the Minutes was a report from Mr. Thompson that he was still accumulating information on the need for married student housing. Apparently no additional work has been done since and no one knew of the progress of the private group in the development of off campus married student housing.

It was agreed that the need for married student housing is becoming more acute, that the available information be brought up to date and a recommendation made. ✓

689. Mechanical Engineering Shops

(Mr. Jimmie Atcheson of the Project Architects entered the meeting at 8:30 a.m. for discussion of this item and remained through the discussion of the Student Union, which was next discussed.)

Mr. Atcheson presented a new rough sketch of the project just to see if it is beginning to shape up properly in the thinking of the CPC. The sketch took into consideration the addition of a second floor, which is to be added in the future. He pointed out that it is necessary to plan the lower floor with the addition in mind in order to develop the outside styling. ✓

He recommended the acceptance of Scheme A, without finials as it would be proper to add them with the second floor. The addition of the second floor would be the proper time to dress-up the project, in keeping with the existing east Engineering Building and such procedure would simplify the process.

It was agreed that the proposed sketch is sufficiently good to merit a full-blown drawing, to be presented to the CPC. Modifications on the doors and the other improvements in design seem to be more appropriate. ✓

690. Operating ProceduresA. Key Control Procedures

No one had time to study Attachment No. 150, page 400, sufficiently to make a recommendation and it was agreed to defer action. As the Textile Engineering Building and the Classroom and Office Building will have the proprietary keyway, it is absolutely essential that adequate controls be developed in time to provide the necessary buildings security.

It was agreed that all members are to do their "homework" on the suggested policy and a recommendation is to be made at the next meeting.

B. Usage of Space Procedures

With the availability of new construction, proper procedures to provide maximum efficiency of available space must be developed.

Mr. McElroy is working on suggested procedures and will report to the CPC as soon as his study is complete.

C. Height of Blackboards in New Construction

1. It has been reported that the blackboards in the Textile Engineering Building are too low and there is insufficient quantity. Mr. Barrick reported that all of the blackboards have been raised as far as possible. The TV monitor is only 7' from the floor and it is necessary for the boards to be below the monitor.

---

Classroom and Office Building

"Mr. Barrick reported that the front and rear wall surfaces of all classrooms may be used as blackboards. In addition, some of the rooms have additional space on the side walls."

Policy for Future

It was agreed to ask Dr. Goodwin if he would like to appoint a Committee from the Faculty to recommend the height and quantity of blackboards in future construction.

691. Other BusinessA. Legislative Appropriation for Major Repairs and Rehabilitations for 1959-60:1. Reroofing of the 18 Temporary Buildings -- \$6,464

Colonel West reported that the necessary materials are on order and that it will take some time for delivery.

2. Improve Lighting Facilities in Classrooms and Laboratories in Offices in the Agriculture Building -- \$10,290

Colonel West reported that, with receipt of the information from Dean Elle on the number and size of fixtures, the requisition will be forwarded to the Purchasing Office this week. He pointed out that the lights are to be installed in view of the new use of the building. The candle power and use have been checked with the Dean.

3. Replace Gas Line to Farm Areas -- \$4,500

It was necessary to again defer Mr. Downing's report included in the Minutes of Meeting No. 50.

691. Other Business (continued)4. Repointing Stone and Brick Work and Waterproofing  
Exterior of Science and Chemistry Buildings -- \$10,290

Mr. Barrick reported that a tracer has been sent to the Waterproofing Company and that no reply has been received / to date.

B. Required Report for Legislative Budget Board on Contemplated  
Buildings in Keeping with H. B. 4

The Chairman reported that the information has been accumulated and will be sent to the Legislative Budget Board today.

C. Priority List and Budgeted Amounts

The recapitulation of the priority list, budgeted amounts and expenditures to date, as requested by the Board, is still in / the process of development.

692. Physical Plant Facilities

Mr. Barrick reported that the information is now in from the Physical Plant Department Head and that it would be advisable ✓ to ask the architect to appear for the final priming session. It was agreed to ask him to appear on the afternoon of October 27, 1959, to present his views.

693. Printing Press

Mr. Barrick reported that Mr. Bengé Daniel still has the plans under study but that the plans for the Printing Press can be dis- ✓ cussed with the architect on the afternoon of October 27, 1959, also.

694. Relocation of Farm Facilities

A. Mr. Barrick reported that the final information is yet to be received from the manufacturers. Work on the detailed cost estimate is under way, although it cannot be completed until information from the manufacturer is received.

B. Mr. Urbanovsky reported that Dr. Young will abandon the residence behind the Veterinary Science Building as soon as new facilities are constructed across the freeway for storage of equipment and feed. Dr. Young needs a man in the residence to look after the safety of the equipment and seed now stored in the area.

695. Science Addition

Mr. Barrick reported that the preliminary information has been pulled together and he is now ready to check it with the Department Heads. It was agreed that the information would be presented to the CPC after the Department Heads have had an opportunity to evaluate it.

696. Student Union

Mr. Atcheson presented a parti showing the ballroom, dining room and kitchen on one floor with a second floor and part basement. The arrangements of space, functions, framing, egress and ingress, red tile roof, capacity for various functions, food service, outside spillage for large groups, massing and recreational activities were discussed at length. It was agreed that it would be well to secure economical basement floor space if feasible. Also, it was agreed that the architects will make a cost study of the pitched tile roof against a flat roof, and that the parti has sufficient possibilities for the architects to continue the study and present refined developments.

696. Student Union (continued)

The CPC was of the opinion that much improvement has been made since the last presentation. Everyone is to remain cognizant of the deadline for the HHFA loan application.

The architects are to present their refined versions to the next meeting of the CPC to be held at 8:30 a.m. on Tuesday, October 27, 1959.

(Mr. Atcheson left the meeting at 10:30 a.m.)

697. Women's Gym

Mr. Barrick reported that he met with the architects the day after the Board meeting and gave them the material changes as outlined in the Minutes of the Board. The architects are making a study of the use of materials and the design of the entrance.

It was agreed to ask the architects to have the study completed in time for the meeting of the CPC on October 27, 1959. If the study seems to comply with the Board's wishes, arrangements will be made to meet with the Building Committee of the Board in keeping with the instructions from the Board.

The Chairman requested all members of the CPC to work between meetings with the view of accomplishing as much as possible at the next meeting to be held at 8:30 a.m. on October 27, 1959, in Room 120 of the Administration Building.

The meeting adjourned at 11:45 a.m.

M. L. Pennington  
Chairman



C  
O  
P  
YCampus Planning Committee  
October 20, 1959  
Attachment No. 148  
Item 684B

THE BUTLER - KIMMEL COMPANY -

412 Avenue M

P. O. Box 418

ARCHITECTS

Lubbock, Texas

M. C. Butler, A.R.A.

R. Turner Kimmel, A.I.A.

October 14, 1959

Mr. M. L. Pennington  
Vice President and Comptroller  
Texas Technological College  
Lubbock, TexasRe: Classroom-Office Building  
Texas Technological College

Dear Mr. Pennington:

Am in receipt of your letter dated October 6, 1959 and have forwarded a copy of your letter to the contractor.

We have discussed these delays innumerable time with the general contractor and there are always many excuses and justifications for these delays, either due to material or labor shortages or both.

It is beyond our scope, to force a contractor to speed up a project, we can only force him to build the project as called for in plans and specifications.

Please be assured that we realize the hardship caused the College by this delay and we shall continue to exert every effort to accelerate completion of this building.

Very truly yours,

THE BUTLER-KIMMEL COMPANY

/s/ R. Turner Kimmel

R. Turner Kimmel, A.I.A.

RTK/tw (g)

P. O. Box 1347  
8108 Tahoka Highway

Campus Planning Committee  
October 20, 1959  
Attachment No. 149  
Item 684B

S. R. DUNCAN & ASSOCIATES

General Contractors - Lubbock, Texas

October 14, 1959

Mr. M. L. Pennington  
Vice President and Comptroller  
Texas Technological College  
Lubbock, Texas

Re: Classroom & Office Building  
Texas Technological College  
Lubbock, Texas

Dear Mr. Pennington:

We received a copy of your letter dated October 6, 1959, to Butler-Kimmel Company in regard to the completion date on the above mentioned project.

Our company is surely at a loss, as we were not aware of the fact that Butler-Kimmel Company, architects on the project, had not been and were not keeping you up to date in regard to the building conditions. Our company was not aware that you did not know that approximately 90 days of the building delay we are incurring was created by changes and change orders which we were under the impression was surely a happy situation with Texas Technological College. We also have had building conditions beyond our control on which we thought the architects were keeping you up to date.

In regard to our refusing to increase or decrease our help on the job, surely we have never had at any time any intention other than to give this building to you as soon as possible. We have worked constantly, daily, on the job with Mr. Charles Harper, the architect's supervisor, and I have had discussion after discussion with Mr. Kimmel personally in regard to this job and in regard to any and every way possible to progress this building as diligently as possible, and let me assure you at this time that we are arranging a meeting with Mr. Kimmel to find out why you have not been informed of all conditions on the job. We will assure you that we will make any corrections in regard to our operation that are not being handled properly.

We would also like to restate that we will assure you of every co-operation from our company. We have appreciated receiving this job from Texas Technological College, and we have a high respect for the College, and I assure you personally that we will do everything possible to correct and maintain the respect such as you and Texas Tech have.

It would be a pleasure, at your request, to furnish you a copy of any transaction that goes on on this project, because surely we feel that you should be kept up to date at all times.

Again, let me apologize for any unattended business in regard to this job. I believe you realize that we are supposed to work behind the architect, but upon your request there will be no hesitancy on our part to take the responsibility of seeing that you are furnished any information that you might need, as we have no intention except to give you first-class service and the best of our company's ability. I would at any time appreciate an opportunity to discuss this project with you and I will assure you that any help you might extend us in finishing this building at an earlier date will be appreciated.

I will assure you that from this moment on, S. R. Duncan, personally, will see that you are kept up to date and I will not take risks that someone else might not be doing it.

Very truly yours,

S. R. DUNCAN & ASSOCIATES

/s/ S. R. Duncan

S. R. DUNCAN

SRD:js (g)

TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 55      October 27, 1959

A meeting of the Campus Planning Committee was held at 8:30 a.m. on October 27, 1959 in Room 120 of the Administration Building. Members present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick, Colonel C. P. West and Chairman M. L. Pennington. In addition, Mr. D. M. McElroy was present.

(Mr. James Atcheson and Mr. Atmar Atkinson, Project Architects, attended the meeting for the discussion of the Student Union from 8:30 a.m. to 10:25 a.m. Mr. Ralph Davis and Mr. Fred Kluss, Project Architects, attended the meeting for the discussion of the Physical Plant Facilities from 2:55 p.m. until 5:30 p.m. Others present for the discussion of the Physical Plant plans were Mr. Bill Felty, Mr. Mark Gosdin, and Mr. George Melot.)

698. Approval of Minutes

On motion by Mr. Barrick, seconded by Mr. Urbanovsky, the Minutes of Meeting No. 54 were approved, with the following corrections:

Item No. 681B, page 404 -- Change the word "presented" to "prevented" in lines 4 and 5.

Item No. 681C, page 404 -- Change the word "vicinity" to "facility" in line 4.

Item No. 690C (2), page 406 -- Change it to read:

"Mr. Barrick reported that the front and rear wall surfaces of all classrooms may be used as blackboards. In addition, some of the rooms have additional space on the side walls."

699. President's Approval of Minutes

The Chairman reported that on October 22, 1959, President Goodwin approved the Minutes of Meetings Nos. 51, 52 and 53.

700. Agricultural Plant Sciences Building

As requested by Mr. Barrick, the Project Architects have re-evaluated the design of the proposed facility but recommend by letter that the design remain unchanged as the studies offered no improvements. The letter is attached to and made a part of the Minutes. (Attachment No. 150, page 416)

After consideration, the CPC voted to accept the design and go ahead as planned.

701. Computer-Architecture

The contractor, Warner Construction Company of San Angelo, has been issued a work order dated October 22, 1959. He has ordered materials and is making preparation to move on the site immediately.

In keeping with the approved procedures, the CPC voted to recommend that a ground breaking ceremony be held and that it be scheduled in connection with the next meeting of the Board of Directors and Homecoming. The Chairman is to report the recommendation to Mr. Adrian Vaughn.

## 702. Married Student Housing

Information on married student housing is still being gathered. Dean Jones has received no additional information from the group which has expressed an interest in constructing married student housing as a private venture. It is felt that either private capital or the College must erect married student housing in the not too distant future.

It was agreed that a very thorough survey is needed on married student housing. The survey should include the present and future needs, including the effect on the graduate program and whether or not the facilities would cause competition or complications with the present dormitories.

## 703. Mechanical Engineering Shops

The Architects reported that there has been insufficient time for them to develop full-blown drawings on the project due to the work which has been done on the Union in the last few weeks.

## 704. Operating Procedures

### A. Key Control Procedures

As the restricted keyway for Texas Tech will be used for the first time in the Textile Engineering Addition and the New Classroom-Office Building, the needs and problems were discussed extensively. Time was devoted to the discussion of a proper amount for a deposit to insure the safety of the keys. It was felt that \$5.00 would not be too much if it could be used to buy a share in the Tech Credit Union. However, when it was found that some faculty members in the Textile Engineering Building would have to have as many as four keys, it was agreed that the amount of the proposed deposit would work a hardship.

Colonel West and Mr. Barrick were requested to make a revised recommendation for a proper solution. The matter of timing is very important as some faculty members now need keys to the Textile Engineering Building.

### B. Usage of Space Procedures

The development of the procedures is under way but not all of the information is ready at this time.

- - - - -

The meeting recessed at 11:50 a.m. and reconvened  
at 1:30 p.m.

- - - - -

## 705. Other Business

### A. Legislative Appropriation for Major Repairs and Rehabilitations for 1959-60

#### 1. Improve Lighting Facilities in Classrooms and Laboratories in Offices in the Agriculture Building -- \$10,290

Colonel West reported that the requisition for the needed materials was filed with the Purchasing Office on October 26, 1959.

#### 2. Replace Gas Line to Farm Areas -- \$4,500

It was agreed that no specific recommendation can be made until the Relocation of Farm Facilities has been further developed.

705. Other Business (continued)3. Repointing Stone and Brick Work and Waterproofing 41,800  
Exterior of Science and Chemistry Buildings -- \$10,290

Mr. Barrick reported that no reply has been received from his tracer sent to the Waterproofing Company and that he will call, in an attempt to obtain the needed information.

B. Priority List and Budgeted Amounts

Mr. McElroy presented a revised report which is attached to and made a part of the Minutes. (Attachment No. 151, page 417).

706. Physical Plant Facilities

The architects presented revised layouts, which were carefully considered. The various aspects, arrangements, functions and needs were considered.

The architects feel that the proposed project can be provided within the budgeted amount, although it probably will be very difficult to get steel due to the steel strike.

Means of heating the facilities were discussed. When the project was located across Flint Street, the plan was to provide heating by an extension from the central heating plant at an estimated cost of approximately \$80,000. It was agreed to consider a more economical type of heater (such as space heaters) to see if it would be more economical and conducive to long-range planning.

The architects stated that they would need to have a topography on the area and Mr. Urbanovsky and his staff are to provide it in the next few days.

It was agreed that, in order to have a carefully prepared set of plans, it would be necessary for the architects to have more time for preparation. The architects were requested to present as much of the plans as available at the meeting of the CPC on December 10, 1959. At that time, a recommendation will be made on a time schedule for the rest of the work.

707. Printing Press

The layout for the project was discussed in connection with the Physical Plant Facilities and the architects are to present their plans to the CPC on December 10, 1959.

- - - - -

The meeting recessed at 5:30 p.m., to reconvene at 8:00 a.m. on October 28, 1959.

708. Relocation of Farm Facilities

Mr. Barrick presented a preliminary estimate of cost for the Meats Laboratory. The report was prepared by Mr. Bill Felty, with the aid of Dr. Ralph W. Durham. The equipment costs were estimated by Mr. Coleman O'Brien. The total estimated cost is \$248,185. The estimate is attached to and made a part of the Minutes. (Attachment No. 152, page 418)

The CPC voted to recommend architects to the Board of Directors at the next meeting and to request the School of Agriculture to proceed with their recommendations on the rest of the relocation.



709. Science Addition

Mr. Barrick reported that the meeting is yet to be held with the three Science Heads but it is hoped that it can be held shortly.

710. Speech

The Chairman read a letter from Dr. Larson under the date of October 19, 1959, concerning the relocation of the Theatre Workshop to provide needed facilities for the Department of Speech when the Library site has to be cleared. The letter is attached to and made a part of the Minutes. (Attachment No. 153, page 419)

It was the consensus that the location of the Theatre Workshop, at the rear of the Speech Building, would provide a very good solution for the Speech Department but would not be entirely desirable from a number of other angles. It was agreed to consider the use of the former Infirmary Buildings south of the Veterinary Science Building as a Theatre Workshop when there is sufficient new office space available elsewhere. The existing Theatre Workshop could be moved to a more remote area or possibly eliminated. It would be necessary to consider a long-range office use to determine whether or not the X-Buildings across from the Veterinary Science Building could be made available to Speech for a Workshop.

It was agreed to refer the drawings to Mr. Barrick for study by his staff.

711. Student Union

Mr. Atcheson and Mr. Atkinson said that the first step in the development of a building is a proper solution and the next step is that of cost. They are now trying to find the solution. Different styles of framing, revised layouts and different arrangements for the roof were discussed. The possibilities of use of a sloping tile roof, a tile roof with a flat portion in the center and flat roofs were discussed. The effect of a Music Building Auditorium on the ballroom of the Student Union and visa versa was studied. The architects reported that unfinished basement space could be made available at a most optimistic figure of \$6.00 per square foot. It was agreed that about the only way to expand the building in the future would be through the use of basement space although it would be possible to go a bit farther to the east. The estimated square footage which could be available in the basement, excluding the mechanical space now provided, would be 34,648 square feet at an estimated cost of \$202,000. The *new* building as now proposed, without the additional basement space, would have approximately 72,000 square feet.

The CPC agreed that progress is being made on the entire treatment but there is some doubt that there is sufficient money in the budget to build the entire area as laid out. It was agreed to request the architects to make preliminary cost estimates on the entire project to see if the amount of building desired is beyond the budget.

The architects agreed tentatively to have the preliminary cost estimates in time for the next meeting of the CPC. In addition, they are to check with the HHFA on exactly what is needed for the full application and let the CPC know when they can have it ready. The 30-day extension for filing the full application will extend the time to approximately December 3, 1959.

712. Textile Engineering

In keeping with the approved procedures, it was agreed that an open house should be held for the Textile Engineering Addition and Mr. Barrick was requested to check with Dean Bradford to see what can be worked out.

Mr. Barrick was requested to check the acoustics in Room 202 and ventilation for Room 105.

713. Women's Gymnasium

Mr. Barrick reported that the architects have done a series of studies on the revision of the canopy over the entrance, as requested by the Board at the last meeting. He presented the sketch with a high columned portico, considered as best by the architects. Although the high columned portico adds a dignity to the proposed structure, the CPC was of the opinion that it does not quite provide the proper solution.

It was agreed to request the architects to study a lower version.

M. L. Pennington  
Chairman

The meeting adjourned at 9:05 a.m., with the next meeting to be held at 8:30 a.m. on Tuesday, November 3, 1959 in Room 120 of the Administration Building.

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Campus Planning Committee  
October 27, 1959  
Attachment No. 150  
Item 700

ASSOCIATED ARCHITECTS & ENGINEERS OF LUBBOCK  
Lubbock, Texas

October 26, 1959

Stiles, Roberts, Gee & Messersmith  
Sherwood 4-8407

McMurtry & Craig  
Sherwood 4-4342

Schmidt & Stuart  
Porter 5-881

Mr. Nolan E. Barrick, A.I.A.  
Supervising Architect  
Texas Tech College  
Lubbock, Texas

Re: Agriculture Plant Science Building

Dear Mr. Barrick:

As requested, we have analyzed the feasibility of introducing a certain amount of clay roofing tile on the subject project. We wish to report that our efforts in this direction have strongly indicated to us that in order to incorporate the tile roofing, it would be necessary to essentially go back to the beginning with our design concept. It is our recommendation that we proceed with the design last presented and approved by the Board.

We seriously considered using a small amount of tile on a slope (similar to the pitch on the Music Building) over the solar screened areas on the south and on the east end of this project to pick up some of the roof color in that vicinity. This would mean the addition of parapets on the east end of the building where we have recommended a flat roof for the reason that essentially no mechanical devices penetrate the roof on this end.

We detailed an estimate of the cost increase should this amount of tile be added. For the additional parapet necessary, the framing under the tile, the tile itself, and a credit back for the built-up roof we would be eliminating, the total addition would amount to slightly under \$3,000. In addition to presenting a problem of detail for gutters, etc., a tile maintenance problem would also be introduced. We believe this small amount of tile would not add to, but detract from the design we have achieved, and that it will be, as now designed, very compatible with the existing building in that area as well as the new library. We believe that if we use such a method of introducing tile it would also be necessary to consider a different color and approach on our solar screen which we strongly feel is a delicate, colorful detail on our project that will make it an outstanding and pleasing structure.

As mentioned, we recommend that we retain the design we have presented, in that we feel it has undergone from the outset, a very thorough study with respect to its siting and the neighboring building on the campus.

Respectfully submitted,

ASSOCIATED ARCHITECTS & ENGINEERS OF LUBBOCK

/s/ Howard W. Schmidt

HOWARD W. SCHMIDT, A.I.A.

HWS/da(g)

CC: McMurtry & Craig  
Stiles, Roberts, and Messersmith

TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

Constitutional Amendment Building Fund  
As of October 26, 1959

Balance September 1, 1958		\$4,025,615.77
Income during 1958-59		
Sale of Bonds	\$3,939,861.82	
First 10-year Funds	17,783.64	
Investment and Time Deposit Income	<u>171,631.02</u>	<u>4,129,276.48</u>
Total Funds Available August 31, 1959		<u>\$8,154,892.25</u>

Tentative Priority List For 1958-1967 Building Program - Revised

	<u>Original</u> <u>Estimated</u> <u>Cost</u>	<u>Original</u> <u>Accumulative</u> <u>Cost</u>	<u>Transfer</u>	<u>Actual and</u> <u>Revised</u> <u>Estimated Cost</u>	<u>Actual and</u> <u>Revised Accumu-</u> <u>lative Cost</u>
Steam Boiler and Housing	\$ 250,000.00	\$ 250,000.00	\$	\$ 232,748.33	\$ 232,748.33
Classroom and Office Building <sup>a+s</sup>	1,118,000.00	1,368,000.00		1,046,193.21	1,278,941.54
Textile Engineering Addition <sup>ENG</sup>	290,000.00	1,658,000.00		293,370.38	1,572,311.92
Science Addition <sup>a+s</sup>	525,000.00	2,183,000.00		525,000.00	2,097,311.92
Library	1,825,000.00	4,008,000.00		1,825,000.00	3,922,311.92
Physical Plant Facilities (1)	500,000.00	4,508,000.00	40,000.00*	460,000.00	4,382,311.92
Mechanical Engineering Shops (1) <sup>ENG</sup>	275,000.00	4,783,000.00	40,000.00	315,000.00	4,697,311.92
Women's Gymnasium	250,000.00	5,033,000.00		250,000.00	4,947,311.92
Computer-Architecture (2) <sup>ENG</sup>	625,000.00	5,658,000.00	20,000.00	682,533.29 -	5,629,845.21
Speech <sup>a+s</sup>	117,000.00	5,775,000.00		117,000.00	5,746,845.21
Printing Press	75,000.00	5,850,000.00		75,000.00	5,821,845.21
Relocation of Farm Facilities <sup>Ag</sup>	475,000.00	6,325,000.00		475,000.00	6,296,845.21
Chemical Engineering and Nuclear Reactor (2) <sup>ENG</sup>	525,000.00	6,850,000.00	20,000.00*	505,000.00	6,801,845.21
Agricultural Plant Science <sup>Ag</sup>	375,000.00	7,225,000.00		375,000.00	7,176,845.21

## Tentative Priority List (continued)

page 2

	<u>Original Estimated Cost</u>	<u>Original Accumulative Cost</u>	<u>Transfer</u>	<u>Actual and Revised Estimated Cost</u>	<u>Actual and Revised Accumu lative Cost</u>
Psychology <sup>a15</sup>	\$ 75,000.00	\$7,300,000.00		\$ 75,000.00	\$7,251,845.21
T.V. Station	100,000.00	7,400,000.00		100,000.00	7,351,845.21
Tennis Courts (3)				10,548.00	7,362,393.21
Equipment for above	415,000.00	7,815,000.00		405,217.50	7,767,610.71
Textile Engineering Addition				9,782.50	7,777,393.21
Air Conditioning Survey (3)				7,500.00	7,784,893.21
Utility Extension	150,000.00	7,965,000.00		143,502.76	7,928,395.97
Classroom & Office - Sewer Line				1,290.00	7,929,685.97
Farm Residences - water				5,207.24	7,934,893.21
Walks, Drives and Parking	350,000.00	8,315,000.00		340,458.28	8,275,351.49
14th Street to Flint Avenue				2,702.72	8,278,054.21
North of Textile Building				6,839.00	8,284,893.21
	<u>\$8,315,000.00</u>	<u>                    </u>		<u>\$8,284,893.21</u>	
Total Funds Available August 31, 1959					8,154,892.25
Unappropriated Balances					<u>\$ 130,000.96*</u>

\*Red Figure

- Notes: (1) \$40,000 transferred to Mechanical Engineering Shops from Physical Plant Facilities  
 (2) \$20,000 transferred to Computer-Architecture Building from Chemical Engineering and Nuclear Reactor  
 (3) Not on original priority list



TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

Campus Planning Committee  
October 27, 1959  
Attachment No. 152  
Item 708

PRELIMINARY ESTIMATE OF COST FOR MEATS LABORATORY

October 20, 1959

Excavation	\$ 1,560.00
Concrete Work	8,900.00
Masonry Work	27,800.00
Structural Steel	9,260.00
Membrane Waterproofing	780.00
Roofing & Insulation	3,990.00
Metal Doors & Frames	3,600.00
Carpentry	5,600.00
Millwork & Finish Carpentry	1,200.00
Lathing & Plastering	6,500.00
Metal Toilet Partitions	375.00
Metal Windows (Glazed)	2,170.00
Metal Lockers	640.00
Tile Work	9,000.00
Meat Track Rails	1,350.00
Crane Rail (Plan B) & 2000# Hoist	3,910.00
Painting	5,270.00
Glass & Glazing	500.00
Paving Curb & Gutter 25 cars	6,500.00
Hardware	1,500.00
Acoustical Work	760.00
Cold Storage Doors	4,500.00
Cold Storage Insulation	5,840.00
Cold Storage Plaster	1,680.00
Toilet Room Accessories	100.00
Weatherstripping	60.00
Caulking	200.00
Venetian Blinds	480.00
Final Cleaning	250.00
Subtotal Building- - - - -	<u>-\$114,275.00</u>
Refrigeration	32,400.00
Plumbing	9,000.00
Heating	7,000.00
Ventilating & Air Conditioning	5,000.00
Electrical	10,500.00
Subtotal Mechanical- - - - -	<u>-\$ 63,900.00</u>
Total Direct Cost- - - - -	<u>-\$178,175.00</u>
Superintendence, Ins., Taxes, General Expense 2%	3,560.00
Profit 5%	9,100.00
Bond	1,530.00
Subtotal Indirect Cost - - - - -	<u>-\$ 14,190.00</u>
Subtotal Building- - - - -	<u>-\$192,365.00</u>
Arch. Fees 5%	9,620.00
Equipment	36,200.00
Holding Pens	10,000.00
Total Cost of Buildings- - - - -	<u>-\$248,185.00</u>

Campus Planning Committee  
October 27, 1959  
Attachment No. 153  
Item No. 710

TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

Speech Department

19 October 1959

Mr. M. L. Pennington  
Campus

Dear Mr. Pennington

I hasten to send you a couple of possible sketches showing how the present Theater Workshop (Barracks Building) might be moved to and used in connection with our present building until such time as we get more permanent and satisfactory quarters. I think, too, that this arrangement would involve a minimum amount of moving and modification expense. We prefer Sketch 1, incidentally.

Sketch 1 would permit the present toilet facilities to be used by tying them into those of our building. There is a water outlet approximately 25 feet from the south end of our building, and sewage connections not more than 40 feet away. Also, there is a gas line about 35 feet from where the furnace would be. The only additional item would be the cutting of an opening into the Barracks Building to correspond to the double door into our stage. This kind of location would be more advantageous than our present arrangement, with one minor exception. It would take a slight amount of storage space in the Workshop for the passage way into the stage. This location would not interfere in any way with the greenhouse, the west end of the relocated building being at least 2-3 feet from the walk leading to the greenhouse from the north. It would also leave our entries to it open to the parking lot, but not taking any part of the lot. Also, since it would not be east of a line along the east side of our present building, it should not interfere with the construction on the new Library Building.

Sketch 2 is presented as a less desirable alternative. It would necessitate the relocation of the toilets, which in turn would eliminate two storage rooms. Furthermore, it would run it much closer to the present greenhouse, 15-20 feet as compared with 45-50 feet in Sketch 1. The furnace would have to be moved in either case, so there would be no difference on that. This arrangement would also necessitate running water and sewage lines further than for the Sketch 1 arrangement.

In either case the sketches are 1" to 16' and are substantially accurate. They wouldn't do for architects' blueprints, however.

In the not-too-distant future, we shall submit some suggestions for the use of a portion of the present Library.

With many thanks for your time and suggestions this afternoon,  
I am

Sincerely,

/s/ Merville Larson

Merville Larson

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TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 56      November 3, 1959

A meeting of the Campus Planning Committee was held at 8:30 a.m. on Tuesday, November 3, 1959 in Room 120 of the Administration Building. Members present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick, Colonel C. P. West and Chairman M. L. Pennington. In addition, Mr. D. M. McElroy was present.

714. Approval of Minutes

On motion by Colonel West, seconded by Mr. Urbanovsky, the Minutes of Meeting No. 55 were approved, with the following changes:

"Page 417B - Walks, Drives and Parking:  
14th Street to Flint Avenue \$6,839.00  
North of Textile Building \$2,702.72

"There are two pages with the number 404.  
The second page is to be numbered 404A.

"Page 407 - Item 691A (4) The amount should  
be \$41,800 instead of \$10,290.

"Page 413 - Item 705A (3) The amount should  
be \$41,800 instead of \$10,290.

"Beginning with Attachment No. 148, page 409  
through Attachment No. 153, page 419 should  
be: Attachments Nos. 152 through 157."

715. Agricultural Plant Sciences Building

The Project Architects reported that the final plans and specifications cannot be ready in time for presentation to the Building Committee of the Board of Directors on November 13, 1959 but that they will try to have them for the meeting of the Board in December.

716. Boiler and Housing

The siding for the housing has yet to be shipped. Mr. Barrick is to check to see if there is a liquidated damage clause in the contract and, if so, the effect of the steel strike on the clause.

717. Chemical Engineering and Nuclear Reactor

- A. Mr. Barrick reported that the final plans and specifications will be ready for consideration by the Building Committee of the Board at the meeting on November 13, 1959.
- B. Mr. Barrick reported that the representatives of Convair-Fort Worth are working on the final Hazard Summary Report and, although no completion date has been indicated, the representatives are of the opinion that the survey will not take a great deal of time.
- C. Mr. Barrick reported that it is necessary to secure soil borings approximately 15' deep for use by the architects in the preparation of plans and specifications. As the borings are necessary and the College is required to pay for them, Mr. Barrick was requested to ask the Texas Testing Laboratories to make the tests and to charge the cost to the project.

# 718. Classroom and Office Building

- A. Mr. Barrick reported that the progress of the building is moving along rather slowly, at the usual pace, and that sidewalks are being poured.
- B. The Chairman reported that President Goodwin, on October 23, 1959, requested the CPC to study Dean Heather's request for an Advertising Classroom and the use of basement space in the Journalism Building as the laboratory for the Advertising Class.

## C. Furniture and Equipment

Mr. McElroy reported that the final plans are being pulled together for the furniture and equipment and it looks as if the requests will total about \$63,000.00.

Mr. McElroy reported that some of the furniture in the various Business Administration Departments is sound but badly in need of refinishing if it is to be used in the new building. Colonel West and Mr. McElroy were requested to investigate the possibility of refinishing and using some of the existing furniture.

After a thorough discussion on the use of space, with particular emphasis on Room 441 in the Tower, Mr. McElroy was requested to check with Dean Heather for a more efficient use of the Tower space. Possibly the large room in the Tower can be used as a "bull pen" for the part-time people and thereby free some of the very nice offices for full-time staff members. Perhaps less furniture would be needed under such conditions.

Dean Heather's request to designate a classroom on the second floor for advertising instruction was discussed in detail. The proposed shelving was canceled in the change order which reconverted the first-floor classroom to a regular classroom.

After thorough discussion of the delicate situation existing with the contractor due to pending complications over the slowness of completion and the liquidated damage clause, the CPC recommended that the contractor not be approached for an extra to provide the shelving but that the question be considered when the building is accepted.

# 719. Computer-Architecture

Mr. Barrick reported that the contractor, Warner Construction Company, San Angelo, moved onto the site on November 2, 1959.

The Chairman reported that Mr. Adrian Vaughn had been notified of the ground breaking as requested by the CPC. Mr. Vaughn has scheduled the Ground Breaking Ceremonies at 9:00 a.m. on November 14, 1959. All members of the Board of Directors are cordially invited. The Homecoming parade is scheduled for 10:30 a.m. and there will be ample time to attend both events.

# 720. Married Student Housing

Mr. McElroy reported that Dean Lewis N. Jones has said he will conduct a thorough survey of the need for married student housing at Texas Tech.

# 721. Mechanical Engineering Shops

- A. The full-blown drawings of the project were not received from the architects in time for the meeting.
- B. The plans and specifications for the project will not be ready for presentation to the Building Committee of the Board on November 13, 1959.

## 722. Operating Procedures

### A. Key Control Procedure

As Mr. Barrick and Colonel West checked further into the proprietary keyway, it was learned that any independent key manufacturer can buy Schlage restricted keyway blanks on the open market. Since it would only be a short time until the security of the proprietary keyway for Texas Tech would be breached, it was felt that it would be unwise to go to added expense to purchase questionable security.

The CPC was of the opinion that the gauntlet has been run in an attempt to find a proprietary keyway which would provide the needed security. The Best System was abandoned when it was found that the blanks were available in the Five and Ten Cent Stores. Other proprietary keyways were checked and it was thought that the Schlage System was a more economical and better system. Now it is found that Schlage does not protect the user as additional key blanks can be obtained on the open market.

After full discussion, Mr. Barrick and Colonel West recommended that the quest for a proprietary keyway be abandoned and that proper security be sought through a more realistic program of education on the subject of security. The recommendation was approved. Mr. Barrick's report is attached to and made a part of the Minutes. (Attachment No. 158, page 427)

As the order for Schlage cylinders to be used in the Classroom-Office Building has not been filled, it will be canceled and the original cylinders will be used at a considerable savings to the College.

Since building security is very important to the entire faculty and staff and aid is needed by the CPC to provide the proper information and procedures, the CPC voted to request President Goodwin to ask the Faculty Advisory Committee to appoint a Committee to work with the CPC representatives, Colonel West and Mr. McElroy, to seek a proper solution.

### B. Parking Lot Lighting

The CPC voted to add adequate lighting to the specifications for the construction of future parking lots. Some of the female employees who work at night have had trying experiences due to the lack of adequate lighting on the parking lots.

### C. Campus Lighting

The lighting on the campus has been rather poor for a number of years and repeated requests have been made to the Legislature for adequate funds. To this date, no funds have been provided for lighting and it is now the consensus of those in Austin that the lighting should be financed from the Constitutional Building Amendment Funds. Quite a few floodlights have been installed on buildings in an attempt to provide an economical means of alleviating the problem. However, the floodlights on the buildings are far from adequate and detract from the general appearance of the campus.

The CPC was of the opinion that proper lighting of the entire campus should be the goal. However, due to the lack of funds, it was agreed that areas will be taken by priority and that lighting will be provided with the projects as far as possible. A good example of the need is the new Library area which must have adequate lighting for night time use.

It was agreed that the over-all need would be considered near the end of the current phase of the building program when it is possible to determine the funds available.



722. Operating Procedures (continued)D. Building and Utility Drawings

In order to provide up-to-date plans for the campus utilities and buildings, a procedure was installed several years ago to keep the drawings up to date by adding the additions and changes. As the information is necessary for efficient building and campus maintenance, the CPC was of the opinion that the practice is essential and that efforts should be made to continue it.

Mr. Urbanovsky reported that his draftsman has recently added most of the new buildings and utilities and has the plans almost up to date. However, he has just lost his draftsman and is looking for another.

E. Excerpts from Minutes

At the present time, only members of the Board, Deans, Administrative Officers and a few other individuals receive full copies of the CPC Minutes. A means of notifying Department Heads, who have an interest in special projects of the actions of the CPC, was discussed.

After consideration, it was agreed that excerpts from the Minutes will be mailed to each Department Head for his project in order that he may be posted on the developments.

F. Time Schedule

From time to time, attempts have been made to establish an adequate time schedule for each of the projects in order that proper and efficient planning could be done more intelligently. After thorough discussion, it was agreed that future project architects will be asked for a proposed time schedule as soon as possible after the award of a project. It is hoped that the time schedule can be realistic and followed in order that all involved may know when to expect the various steps in the development of the projects.

723. Other BusinessA. Reroofing of the 18 Temporary Buildings - \$6,464

The Department of Building Maintenance will do the reroofing and the materials have been ordered.

The CPC felt that a report once each month on the progress of the reroofing would be ample to keep everyone posted, and Colonel West was requested to summarize the progress at the end of each month.

B. Improve Lighting Facilities in Classrooms, Laboratories and Offices in the Agriculture Building - \$10,290

The Department of Building Maintenance will install the new fixtures and the materials have been ordered.

The CPC felt that a report once each month on the progress of the lighting facilities would be ample to keep everyone posted, and Colonel West was requested to summarize the progress at the end of each month.

C. Repointing Stone and Brick Work and Waterproofing Exterior of Science and Chemistry Buildings - \$41,800

Mr. Barrick reported that he had talked with Mr. Hoyer of the Mid-Continental Waterproofing Company of Wichita, Kansas, and that Mr. Hoyer is searching his files for estimates on the buildings at Texas Tech. He could not give a unit price for tuck pointing but stated that he would send a man to Texas Tech for consultation and advice. He will continue to search for useful information.

After consideration, Mr. Barrick was requested to ask Mr. Hoyer to send the man to Texas Tech, without obligation to the College.

723. Other Business (continued)D. Utility Extensions

Mr. Mason's letter of July 15, 1959 (Item No. 517B, page 356) concerning "Utility Service for New Buildings" was discussed.

Mr. Barrick and Colonel West were requested to make a study of the needs and report to the CPC when the information is available.

724. Physical Plant Facilities

Mr. Barrick reported that all of the information is now in the hands of the architects for them to make a cost study, which is to be submitted to the CPC as soon as it is completed.

The study of the heating system is to be a part of the cost study.

Mr. Urbanovsky reported that he has completed the topographical information and that the architects have it.

725. Printing Press

Mr. Barrick reported that all of the information is now in the hands of the architects for them to make a cost study, which is to be submitted to the CPC as soon as it is completed.

The study of the heating system is to be a part of the cost study.

Mr. Urbanovsky reported that he has completed the topographical information and that the architects have it.

726. Meats Lab

- A. As the estimated cost for the Meats Lab has been completed, it now looks as if it is feasible to start the development of the project. After careful and thorough consideration, the CPC voted to recommend to the Building Committee of the Board of Directors that the following firms be considered as Project Architects:

1. Haynes and Kirby of Lubbock
2. DeWitt and Maeker of Lubbock

It was felt that, due to the size of the project, it would be well to select architects in Lubbock. In the opinion of the CPC, the two firms mentioned are best equipped to handle the needed mechanical work in the project. The firms are listed in the order of preference by the CPC. Other firms were considered but it was felt that none are as well qualified for the project as the two listed.

- B. The CPC voted to recommend that the Agricultural staff start work on the priority list, which previously has been submitted and recommended by the CPC.

It was recommended that Dr. Durham, if he is not familiar with the material at PanTech Farms which might be used in the relocation, go to PanTech Farms and make an inspection. Some information is included in the CPC Minutes.

Mr. Urbanovsky was requested to serve as coordinator on the "Relocation of Farm Facilities" for the CPC.

- C. The CPC voted to request a program of development and time schedule from the Agricultural staff in order to proceed in an orderly and efficient manner.

727. Science Addition

Mr. Barrick reported that there is now enough information on hand to meet with the three Science Heads and a meeting is to be arranged shortly.

728. Speech Facilities

Mr. Barrick reported that there has been insufficient time to make a thorough evaluation of Dr. Larson's suggestions. Although, at first blush, his idea seems to be quite workable from the standpoint of the Speech Department, it will be necessary to consider it from the over-all standpoint.

729. Student Union

- A. The Chairman reported that the Project Architects requested information on the following subjects in order to complete the cost estimate: (The CPC's action follows each subject)

1. Cost of Furniture

Mr. Barrick is to ask Mr. Longley to prepare the estimate by rooms and he (Mr. Barrick) will convey it to the Project Architects.

2. Kitchen Equipment

It was agreed that the College will handle the kitchen equipment in the same manner as that for Weeks Hall, which was designed by the same Project Architects.

3. Air Conditioning Capacity

There has been no change in the capacity from that first sent to the Project Architects.

4. Passageway to the Music Building

The architects are requested to study the possibilities and make a recommendation to the CPC.

5. Plot Plan Showing the Land Involved, Availability of Utilities and Topography

Mr. Urbanovsky will present all of the information to the Project Architects by November 9, 1959.

B. Full Application for HHFA

Mr. McElroy was requested to work with Mr. Taylor and Mr. Price to develop information, other than the plans and specifications, needed for the full application. Mr. Taylor and Mr. Price have much of the information on hand. In order to move as rapidly as possible when the drawings and plans and specifications are available, the rest of the needed information should be in the best shape possible.

- C. It is hoped that drawings of the elevations will be ready for presentation to the Building Committee of the Board on November 13, 1959.

730. Textile EngineeringA. Final Inspection

Final inspection of the project was made on October 30, 31, and November 2, 1959. Although the punch list is rather long, the items are generally quite minor in nature and the building is in very good shape.

730. Textile Engineering (continued)B. Contractor's Request for an Extension of Time

By letter dated October 16, 1959, Mr. W. B. Abbott, Jr., Contractor, requested a fourteen-day extension of time under his contract. By letter dated October 22, 1959, the Project Architects, Haynes and Kirby, recommended approval of the requested extension. By letter dated October 23, 1959, Mr. Nolan E. Barrick, Supervising Architect, recommended the requested extension also.

After careful consideration, the CPC voted to recommend the extension of fourteen days, as requested by the contractor, for the reasons set forth. If the extension is approved by the Board, the official date will be changed from October 16, 1959 to October 30, 1959. The letters are attached to and made a part of the Minutes. (Attachments Nos. 159, 160 and 161; pages 428, 429, and 430)

C. Final Acceptance

After careful consideration of the facts, the CPC voted to recommend final acceptance of the project as October 30, 1959, subject to the correction of the items on the punch list. The College has been using most of the facilities for several weeks and it is normal for the contractor to complete the punch list after acceptance. Adequate funds will be withheld to protect the owner until the items are corrected.

D. Other Items

It was agreed that acoustical properties are needed in Room 202 and ventilation in Room 105 if it is to be used as an office. Mr. Barrick will attempt to work out a satisfactory acoustical treatment for Room 202. It was agreed that it would be well to avoid the use of Room 105 for an office, if possible, until the ventilation can be improved.

731. Women's Gym

- A. The Project Architects have done a number of additional portico studies and sent another which they deem worthy of study. The architects reported to Mr. Barrick that the installation of arches under the portico would require complete restudy of the building design.

After consideration, the CPC voted to request the architects to write a letter of evaluation of design which is to be considered by the CPC at the next meeting for recommendation to the Building Committee of the Board.

- B. The new studies of the portico are to be presented to the Building Committee on November 13, 1959, as the time is too short to request a special meeting of the Building Committee. The Building Committee has been empowered by the Board of Directors to approve the final version for the portico and to authorize the CPC to advertise for bids.

M. L. Pennington  
Chairman

The meeting adjourned at 12:10 p.m.

Due to the fact that the Chairman is to be in Austin on November 10 and 11, 1959, it was agreed that the next meeting of the CPC is to be held at 8:00 a.m. on Monday, November 9, 1959. The items which pertain to the Agenda for the Building Committee Meeting on November 13, 1959, are to be considered at the meeting.



Campus Planning Committee  
November 3, 1959  
Attachment No. 158  
Item 722A

TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

Office of the Supervising Architect

November 3, 1959

A REPORT ON THE PROPRIETARY KEY SYSTEM  
TEXAS TECHNOLOGICAL COLLEGE

Some months ago, during the early stages of construction of the Textile Engineering Addition and the Classroom-Office Building, it was considered to be desirable to institute a uniform keying system on the campus. It was the consensus that this would contribute to increased security and control.

Mr. Jack Thompson made a study of the question and it was recommended that the College install the BEST system that is used by the Lubbock Independent School District and other Institutions of this type. It was apparent at the outset that this arrangement would be a costly procedure for the College in as much as little or no credit is made by hardware manufacturers for the deletion of the cylinders from standard units. It was necessary, therefore, to purchase a dual set of cylinders for each building with the BEST cylinders being a closed specification provided on a noncompetitive basis.

At the time we were beginning to doubt the wisdom of initiating the BEST system, Mr. Tom Hufford of the Schlage Company called on several of us and presented a most attractive picture of the service and security provisions available from his organization. Mr. Hufford talked at one time or another to Mr. Jack Thompson, Colonel C. P. West and the undersigned and assured each of us that the Schlage Company could provide a restricted keyway which would not be issued to any other project in this geographical area and that key blanks would be provided only to the Texas Technological College, assuring us the maximum security since keys could not be duplicated by unauthorized agencies. The Schlage cylinders, while representing an additional expense unless Schlage hardware was used, are available on the competitive market at approximately one-half the cost of the BEST cylinders. The Schlage Company manufactures cylindrical locks, but does not market Mortise locks. They do, however, manufacture cylinders for all types of hardware.

Schlage cylinders were purchased for the Textile Engineering Building and have been ordered for the Classroom-Office Building.

Subsequent to the foregoing developments, and only in the last few days, it has come to our attention that the Schlage restricted keyway is available to any and all purchasers on the open market from independent key manufacturers. It is obvious, therefore, that while Schlage will not issue key blanks to anyone except the College, this has no real bearing on actual security. This point was never mentioned specifically in any discussion insofar as I can recall.

In view of this situation, I am of the opinion that there is no foolproof system of keying in existence. Our only chance for real security is through intensive education of the faculty and staff members with the hope of developing a solid sense of responsibility in maintaining security by refusing to duplicate keys, have keys duplicated or loaning keys to unauthorized personnel. In fact, it is obvious that the establishment of a proprietary keying system for many buildings could actually reduce security unless the faculty maintained a more rigid attitude toward the problem. We would, therefore, be purchasing, at considerable expense, some measure of convenience, but from the technical standpoint this would be achieved at a corresponding loss of security.

I would, therefore, recommend that we abandon the idea of the proprietary keying system and embark upon a realistic program of education on the subject of security.

Respectfully submitted,

/s/ Nolan E. Barrick

Nolan E. Barrick, A.I.A.  
Supervising Architect



Campus Planning Committee  
November 3, 1959  
Attachment No. 159  
Item 730B

COMMERCIAL  
SCHOOLS  
CHURCHES

W. B. ABBOTT, JR.  
H. E. WOLFFARTH, JR.

W. B. ABBOTT & CO.  
General Contractors

Post Office Box 585

Lubbock, Texas

October 16, 1959

Haynes & Kirby  
Architects-Engineers  
Lubbock, Texas

Re: Completion Time  
Rehabilitation & Addition to  
Textile Engineering Building  
Texas Technological College

Gentlemen:

This letter is to call to your attention some of the conditions that have existed on subject job. The entire project is substantially complete at this time.

The delay in getting possession of the existing building caused by a series of tests, that the Textile Department could not complete before June 19. This was 50 days later than the specified date, to start moving machinery, under our contract. We found it was necessary for the Owner to occupy part of the building at all times. This was Fiber & Yarn Testing Rooms on the second floor of old building. The last room was vacated the week of September 14, at which time the same area was ready in the new building. Classes were started in the four large Engineering Drawing Laboratories, second floor of old building, on October 5. Furniture has been moved into several other rooms.

We have made every effort to carry the job forward at all times. Our completion date is October 16; we would like an extension of this time to October 30, 1959.

Sincerely,

/s/ W. B. Abbott, Jr.

W. B. ABBOTT, JR.

WBA

Campus Planning Committee  
November 3, 1959  
Attachment No. 160  
Item 730B

H A Y N E S & K I R B Y

ARCHITECTS - ENGINEERS

M E M B E R S T H E A M E R I C A N I N S T I T U T E O F A R C H I T E C T S

1902 DIXIE DRIVE AT 19TH STREET

LUBBOCK, TEXAS

October 22, 1959

Mr. Nolan E. Barrick, AIA  
Supervising Architect  
Texas Technological College  
Lubbock, Texas

Re: Rehabilitation and Addition to  
Textile Engineering Building

Dear Mr. Barrick:

Attached is copy of letter from W. B. Abbott & Company,  
General Contractor, requesting an extension of 14 days  
to contract completion time for the reasons stated  
therein.

It is our recommendation that this extension of time  
should be allowed.

Yours very truly,

HAYNES & KIRBY

/s/ S. B. Haynes

S. B. Haynes

SBH:bmm(d)

Enc.

Campus Planning Committee  
November 3, 1959  
Attachment No. 161  
Item 730B

TEXAS TECHNOLOGICAL COLLEGE

Lubbock, Texas

Office of the Supervising Architect

October 23, 1959

Mr. M. L. Pennington  
Vice President and Comptroller

Dear Mr. Pennington:

Re: Textile Engineering Building  
Texas Technological College

Attached hereto you will please find correspondence relative to the delay in completion of the referenced project.

The contractor has made every effort to accommodate the College and has, in my opinion, pursued the work diligently in spite of several delays in the receipt of materials.

The facts set forth in the second paragraph of his letter are essentially correct. It must be borne in mind that one contributing cause for the delay in moving the Fabric and Yarn Testing facility was the fact that the new laboratory was not completed on schedule. It was, therefore, impossible to move the function with any continuity of operation. I do not indicate that this is the sole reason for the delay.

It is my feeling that an extension of 14 days should be granted since it represents a small concession in return for a virtually uninterrupted operation which was necessary to meet commitments to others.

Very truly yours,

/s/ Nolan E. Barrick

Nolan E. Barrick, AIA  
Supervising Architect

NEB:md(d)

TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 57      November 9, 1959

A meeting of the Campus Planning Committee was held at 8:30 a.m. on Monday, November 9, 1959 in Room 120 of the Administration Building. Members present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick, Colonel C. P. West and Chairman M. L. Pennington. In addition, Mr. D. M. McElroy was present.

732. Approval of Minutes

On motion by Colonel West, seconded by Mr. Barrick, the Minutes of Meeting No. 56 were approved.

733. President's Approval of Minutes

The Chairman reported that, on November 7, 1959, President Goodwin approved the Minutes of Meetings Nos. 54, 55 and 56 with reservations as set forth in his letter which is attached to and made a part of the Minutes. (Attachment No. 162, page 435)

734. Chemical Engineering and Nuclear Reactor

- A. Final plans and specifications for the project are to be presented to the Building Committee of the Board of Directors at the meeting on Friday, November 13, 1959 at 10:00 a.m. in the Office of the President.
- B. It was agreed that no other action by the Board will be necessary before the next meeting on December 12, 1959, as Convair-Fort Worth is in the process of completing the Hazards Summary Report which is necessary in order to secure permission from the AEC to obtain the Reactor.

735. Classroom and Office Building

- A. Mr. McElroy and Colonel West reported that the tables for the small typing lab can be refinished but it looks as if the others should be purchased new.
  - B. As requested by the CPC, Mr. McElroy made a recommendation on the use of space in the Tower and his report is attached to and made a part of the Minutes. (Attachment No. 163, page 436)
- Due to the shortage of space on campus and the poor condition of some of the offices, the CPC felt that the use of all the space in the Tower for part-time people could hardly be justified and approved the recommendation of Mr. McElroy.
- C. Mr. McElroy reported his study of the use of Room No. 240 as a Marketing classroom and his report is attached to and made a part of the Minutes. (Attachment No. 164, page 437)
- After reviewing Mr. McElroy's recommendation, the CPC voted to accept it, with one exception. The built-in storage cabinets probably will be equipment rather than a part of the building and should be charged to the budgeted amount for equipment rather than to the building.
- D. Mr. McElroy reported that the list of furniture and equipment for the project is in the process of duplication. It is to be circulated to the members of the CPC as soon as it is available and a recommendation will be made at the meeting on Thursday, November 12, 1959.

It will be necessary to make a recommendation to the Building Committee at the meeting on Friday, November 13, 1959 as it will be unwise to wait until the meeting of December 12, 1959 to order the equipment and furniture, if it is possible to do it earlier.

### 736. Computer-Architecture

- A. The Chairman reported that Fire Marshal Black phoned him on November 6, 1959 and called attention to the fact that there are over 14,000 square feet in the basement of the project with no exterior windows or a completely automatic sprinkler system. He stated that he has no jurisdiction over the construction at the College but that he is interested and just wanted to call attention to the need, with the hope that a correction can be made. He considers the condition a hazard and stated that the code followed by the City requires a basement with more than 8,000 square feet to have outside windows and a sprinkler system.

He was told that there would be a meeting of the CPC on Monday, November 8, 1959, the condition would be brought to the attention of the members, and he would be notified of the results. He was told that the College also would like to eliminate all possible hazards.

Mr. Barrick reported that there is a 6' area way across the entire north side of the project and that there are two stair wells, one at each end of the basement. As there is a possibility that Fire Marshal Black's information may be incomplete, Mr. Barrick is to check with him. The building was designed with proper safety in view and it is hoped that ample safety has been provided.

- B. The Agenda for the Building Committee should indicate the Ground Breaking Ceremonies are scheduled for 9:00 a.m. on November 13, 1959, with the hope that the members can be present. The members of the CPC are requested to be present at the Ceremonies.

### 737. Mechanical Engineering Shops

The revised exterior sketches of the project will be available for the CPC meeting on Thursday, November 12, 1959 and, if found acceptable, will be referred to the Building Committee on Friday.

### 738. Other Business

#### Repainting Stone and Brick Work and Waterproofing Exterior of Science and Chemistry Buildings -- \$41,800

Mr. Barrick presented a summary of his conversation with Mr. Hoyer of the Mid-Continental Waterproofing Company and his summary is attached to and made a part of the Minutes. (Attachment No. 165, page 438)

### 739. Psychology

As shown in previous Minutes, Dr. Kaplan was requested to make an estimate of the needs of the Psychology Department in a new structure. His estimate was for an ideal structure and would have presented a financial problem. Due to the fact that Psychology is involved in the Doctorate Program, President Goodwin requested Dr. Kaplan to make an estimate of his minimum. Mr. Barrick reported that Dr. Kaplan has met with him and they went through various items recommended and are pulling together the approximate size and cost.

### 740. Relocation of Farm Facilities

#### A. Meats Lab and Relocation

The part of Dr. Goodwin's letter of November 7, 1959 pertaining to the project was discussed again along with the following questions:

Shall the Meats Lab be considered above all else in the Relocation?

Should the plans be pushed for it, come what may, due to the fact that the entire program is to be built around it? Or would it be better to hold up until the over-all picture can be developed?



#### 740. Relocation of Farm Facilities (continued)

A recommendation on the Veterinary Science Building and Pavilion for either Agriculture or Psychology and Speech must be made. Should the entire question of Relocation be delayed, pending the outcome of the question of the two buildings?

Dean Thomas has stated in the past that he would rather use some of the money budgeted for the Relocation to provide facilities for Speech and Psychology rather than to lose the two buildings for Agriculture. Should the possibility be considered? Should only the Meats Lab be constructed at this time and the need for other facilities, be weighed against other needs for the rest of the Relocation?

At this point, plans on how to proceed must be specific. The Agricultural staff has been asked for a priority list, time schedule and program of development.

It must be decided, not later than Thursday, November 12, 1959, what is to be done in connection with the recommendation for architects for the Meats Lab. The recommendation has been made and it should be presented to the Building Committee or withdrawn.

Would it be cheaper in the overall to convert the Veterinary Science Building to use by Psychology or retain it for Agriculture and construct new facilities for Psychology?

After a very thorough discussion, it was agreed that it would be well to have a meeting with Dean Thomas and President Goodwin to discuss the overall picture and procedures. Mr. Urbanovsky agreed to arrange the meeting for Tuesday, November 10, 1959, if possible, and the outcome of the meeting will be discussed by the CPC at the meeting on Thursday, November 12, 1959.

It was agreed that an item on the selection of architects for the Meats Lab should be placed in the Agenda for the Building Committee on Friday, November 13, 1959, with the understanding that it will be withdrawn if the plans are changed.

#### 741. Science Addition

Mr. Barrick presented a report of his meeting with the three Science Heads on November 5, 1959, and his report is attached to and made a part of the Minutes. (Attachment No. 166, page 439)

#### 742. Student Union

A. The architects have requested the following information:

Cost of Furniture - To be furnished by Mr. Longley through Mr. Barrick.

Kitchen Equipment - College is to handle and the cost is to be given to the architects in order to determine the overall cost.

Passageway to Music Building - The architects are studying the feasibility.

Plot Plan Showing the Land Involved, Availability of Utilities and Topography - Mr. Urbanovsky has supplied the information to the Architects.

742. Student Union (continued)

- B. Sketches of the elevations are to be presented to the CPC on Thursday, November 12, 1959 and to the Building Committee on Friday, November 13, 1959. It will be necessary to work out procedures with the Building Committee for approval of the information needed for the full application to the HHFA. The architects have been in contact with the HHFA and are to provide a list of the items needed for the CPC meeting on Thursday.
- C. The Chairman reported that the HHFA has approved an extension of time for submission of the full application for a period of 30 days to December 3, 1959. The notification is attached to and made a part of the Minutes. (Attachment No. 167, page 440)

743. Textile Engineering

- A. The recommendation of the CPC to grant an extension of time to the contractor, W. B. Abbott, for the completion of the project from October 16 to October 30, 1959, a total of 14 days, is to be included in the Agenda for the Building Committee on Friday.
- B. The recommendation for final acceptance of the project on October 30, 1959, is to be included in the Agenda for the Building Committee on Friday also.

744. Women's Gym

- A. The letter explaining the evaluation of design by the architects is to be presented to the CPC on Thursday and to the Building Committee on Friday.
- B. The new studies of the portico are to be presented to the Building Committee on Friday.
- C. If the design of the portico is accepted, it is recommended that the Building Committee authorize the CPC to proceed with the taking of bids, to be presented at the next meeting of the Board of Directors on December 12, 1959. The action is in keeping with the authorization granted by the Board at the last meeting to the Building Committee.

M. L. Pennington  
Chairman

The meeting adjourned at 10:05 a.m. The next meeting of the CPC is to be held at 8:00 a.m. on Thursday, November 12, 1959 in Room 120 of the Administration Building.

Campus Planning Committee  
November 9, 1959  
Attachment No. 162  
Item 733

TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

Office of the President

November 7, 1959

Mr. M. L. Pennington  
Vice President and Comptroller  
Campus

Dear Mr. Pennington:

IN RE: MINUTES OF THE CAMPUS PLANNING COMMITTEE

Item 690, C 3. If it is the desire of the Campus Planning Committee that a faculty committee be appointed to recommend the height and quantity of blackboards for future buildings, I will be glad to do so.

Item 688 (702). The College certainly needs to consider housing for married students. Other than funds for financing the construction, one of the principal factors is the rental charge. At the University of Michigan, these run from \$90 to \$120 per month for single or double apartments. At the University of Louisville, they figured that a rental of \$75 would be necessary and that this figure was so high that the apartments would not be rented though at Michigan they rent readily. I cannot account for the differences.

Item 708 (726). I still do not have a complete picture of the relocation of farm facilities. Has a final recommendation been made with reference to existing farm facilities buildings? It would appear that such a decision should be made before proceeding with any specific building.

In this connection, I feel sure that better provisions for Psychology will come up for discussion when the program of graduate work and research comes before the Board.

With these comments, the Minutes of Meetings 54, 55, and 56 of the Campus Planning Committee are approved.

Very truly yours,

/s/ R. C. Goodwin

R. C. Goodwin  
Acting President

RCG:so(d)

Campus Planning Committee  
November 9, 1959  
Attachment No. 163  
Item 735B

TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

Office of the Vice President  
and Comptroller

M E M O R A N D U M

TO: Mr. M. L. Pennington

DATE: November 6, 1959

At our last meeting, I was directed to contact Dean Heather concerning the office space usage of the fourth floor in the tower of the Classroom-Office Building. Dean Heather has been out of town this week; therefore, a conference has been impossible.

This area was previously designated, by the immediate past President of Texas Tech, as an office space area for the part-time instructors, teaching fellows and graduate assistants of the Business Administration School. Several of us are of the opinion that this is not the best space utilization to be made of the area. I would like to recommend the assignment of Rooms 438, 439 and 440 to full-time professors, and Rooms 435, 436, 437 and 441 as the office space area for the part-time instructors, teaching fellows and graduate assistants.

There are approximately twenty-seven part-time people in the Business Administration School. Rooms 435, 436, 437 and 441 will provide a desk area for twenty-two of these people at one time. It is inconceivable that more than twelve of them will be in the offices at the same time. In my opinion, each one of the part-time instructors can be adequately and comfortably provided for in these three or four rooms.

If all twenty-seven part-time instructors were replaced by full-time professors, they would probably equate into seven full-time instructors. By assigning two professors to Room 436 and three to Room 441, all full-time professors could be accommodated on this floor without reclaiming any of the office space on either the first, second or third floors. Such an arrangement would still allow space for a student assistant or a paper grader to work with his professor near his desk. The corridor to this suite of offices is very private and could accommodate three, or possibly four spaces, for student graders.

/s/ D. M. McElroy

D. M. McElroy  
Assistant Comptroller

DMM:d

cc: Mr. E. J. Urbanovsky  
Mr. Nolan E. Barrick  
Colonel C. P. West

Campus Planning Committee  
November 9, 1959  
Attachment No. 164  
Item 735C

TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

Office of the Vice President  
and Comptroller

M E M O R A N D U M

TO: Mr. M. L. Pennington                      DATE: November 6, 1959  
SUBJECT: MARKETING CLASSROOM, ROOM NO. 240, CLASSROOM-OFFICE BUILDING

Ten classrooms in the new Classroom-Office Building have been designated exclusively for the use of the Business Administration School. Two rooms in that building have been marked "general classrooms" with preference to the Business Administration School. The other ten are general classrooms.

The Business Administration School has indicated on its room planning that Room 240 will be used for Marketing. Miss Clewell and I have contacted Dr. Ryan, the Head of that Department, and he indicates that the equipment in that room will still lend itself to general classroom purposes. Advertising and advertising layout will be taught in this room. Dr. Ryan has expressed a desire for some built-in storage cabinets that will accommodate advertising layouts.

The courses provided by the Business Administration Curriculum relating to advertising displays, advertising layouts, and advertising principles will require storage space for materials peculiar to these subjects. In as much as the courses are part of the College Curriculum, I recommend that storage cabinets be built in Room 240 by our Building Maintenance Department and the cost charged to the Classroom-Office Building. I would also suggest that Dr. Ryan be consulted in the plans for this storage space.

/s/ D. M. McElroy

D. M. McElroy  
Assistant Comptroller

DMM:d  
cc: Mr. E. J. Urbanovsky  
Mr. Nolan E. Barrick  
Colonel C. P. West



Campus Planning Committee  
November 9, 1959  
Attachment No. 165  
Item No. 738

TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

Office of the Supervising Architect

November 5, 1959

Mr. M. L. Pennington  
Vice President and Comptroller  
Campus

Dear Mr. Pennington:

Re: Waterproofing of Buildings

On November 4, 1959, Mr. Hoyer of the Mid-Continental Waterproofing Company called with the following information: he quoted from a letter which he had written to Colonel C. P. West, dated April 16, 1958.

"On the Chemistry Building, the brickwork is in very poor condition - the worst of all buildings inspected. The limestone which is probably Bedford is in bad condition. The joints in the brick and stone should be cut out and tuck pointed, then the stone sandblasted, repaired and coated with clear Silicone Waterproofing. The total cost for this work on the Chemistry Building, only \$22,000.00.

The Library is in fair condition and would probably not require waterproofing at this time.

The Administration Building stone is in the best condition of the four buildings inspected.

On the Science Building the cast stone is in very poor condition and should be remedied as quickly as possible to avoid further deterioration. The cast stone now shows craze cracking. It should receive the same treatment as the Chemistry Building except that the waterproofing would be Sonneborn Color Coat, which is a Silicone Waterproofing, obtainable in colors and applied in the same manner as paint. No exact estimate is available for the work on the Science Building, but Mr. Hoyer's guess was \$18,000.00 or less."

The waterproofing treatment for these jobs would be guaranteed for a five-year period and they now have buildings which have been treated for 13 years and still in good condition according to Mr. Hoyer.

The tuck pointing should be good for the "life of the building." We can obtain estimates free of charge at any time from this Company.

Very truly yours,

/s/ Nolan E. Barrick  
Nolan E. Barrick, AIA  
Supervising Architect

NEB:md (g)

Campus Planning Committee  
November 9, 1959  
Attachment No. 166  
Item 741

TEXAS TECHNOLOGICAL COLLEGE  
Lubbock, Texas

Office of the Supervising Architect

November 6, 1959

Mr. M. L. Pennington  
Vice President and Comptroller  
Campus

Dear Mr. Pennington:

Re: Addition to Science Building

A meeting was held yesterday, 5 November, 1959, with Professors Henry Thomas, Alton Wade and Earl Camp on the referenced project.

Miss Kirkwood and I presented the rough schematic plan that has been developed on the basis of requests made by the three Department Heads and outlined our thinking in regard to the matter.

It is our feeling that the general concept of the plan is acceptable and we are providing each of the individuals with copies of the plan of the existing building and of the proposed addition with the request that their observations and comments be forwarded to us as soon as possible.

We have every reason to feel that this project is finally on sound footing and we anticipate a very co-operative and workable arrangement with the Departments concerned.

Very truly yours,

/s/ Nolan E. Barrick

Nolan E. Barrick, AIA  
Supervising Architect

NEB:md(d)

Campus Planning Committee  
November 9, 1959  
Attachment No. 167  
Item 742C

HOUSING AND HOME FINANCE AGENCY

Office of the Regional Administrator  
300 West Vickery Boulevard  
Fort Worth 4, Texas

REGION V

November 3, 1959

Mr. M. L. Pennington  
Vice President and Comptroller  
Texas Technological College  
Lubbock, Texas

Tex. CH-109(S)  
Texas Technological College  
Lubbock, Texas  
Student Union Addition

Dear Mr. Pennington:

In accordance with your request of October 28, 1959, I have approved an extension of time for the submission of your full application for a period of approximately 30 days to December 3, 1959.

Should further developments indicate that an additional delay will occur, please keep us informed.

Very truly yours,

/s/ W. H. Sindt

W. H. Sindt  
Regional Administrator

WHS