

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 323

January 10, 1967

A meeting of the Campus Planning Committee was held at 4:00 p.m. on January 10, 1967, in Room 120 of the Administration Building.

Members present were Chairman M. L. Pennington, Mr. E. J. Urbanovsky and Mr. Nolan E. Barrick.

Other College staff members present were Mr. John G. Taylor, Mr. O. R. Downing and Miss Jerry Kirkwood.

Mr. Howard Schmidt, Consulting Architect, was also present.

The purpose of the special called meeting was to hear the reports of Mr. O. R. Downing reflecting the progress of the project and to consider proposals which would affect the contracts in existence.

3574. Central Heating and Cooling Plant (CPC No. 105-66)

(Zumwalt & Vinther, Inc., Engineers)

(Pitts, Mebane, Phelps and White, Architects)

Mr. O. R. Downing, coordinator for the project, reported upon his meetings of December 30, 1966, in Fort Worth, with the engineers' representatives and Housing and Urban Development officials; the meeting of January 6, 1967, with the above mentioned group, in Fort Worth, and of January 9, 1967, in Beaumont, with the architects' and engineers' representatives. A representative of the Henry Vogt Machine Company, Mr. W. V. Hambleton, was also present.
(Attachment No. 694, page 3030)

After hearing and discussing the reports presented by Mr. Downing, the Campus Planning Committee recommended that the architects and the engineers be requested to confirm the status of the project by the means of a brief progress report. The progress reports, as recommended by the Campus Planning Committee, would include copies of progress prints of the construction drawings to date.

Progress prints of the mechanical and electrical work which include the piping, fittings, valves and other attendant accessories required for prefabricating the equipment to be installed within the building proper have been submitted to the College by the engineers.

The Campus Planning Committee members, and those associated with it, will begin a preliminary checking of details upon receipt of the progress prints.

Based upon a request from the architects, the Campus Planning Committee also authorized the engineers to prepare an additive change order to the contract with the Henry Vogt Machine Company, in the amount of \$31,513.00. The change order will cover the steel rigging and stairways directly connected with the erection of the boilers. Although the steel rigging was included in the architects' contract, the fee for the design work and the supervision of such work will be transferred to the boiler contract.

In addition, the Campus Planning Committee recommended that the mechanical and electrical bids to be taken on or before February 14, 1967, be assigned to the future successful general contractor. Accordingly, the general contractor will be considered as the prime contractor for the project.

Further, it was recommended that the mechanical and electrical drawings and specifications, now being prepared by the engineers, include the mechanical and electrical work for the building proper.

3574. Central Heating and Cooling Plant (CFC No. 105-66) (Continued)

The mechanical and the electrical work for the building proper is included in the architects' contract and the architects are requested to work very closely with the engineers in avoiding the possibility of change orders to the building contract. The architects will be allowed to include, in their estimated cost of this part of their contract, an allowance for possible change orders for mechanical and electrical work within the building proper.

As directed by the Campus Planning Committee, the architects are requested to include in their specifications a liquidated damage, in the amount of \$250.00 per day, for the completion of the necessary basement which shall include the boiler foundations of the building. The architects were further requested to define a liquidated damage in the amount of \$100.00 per day for each day the boiler is not in operation with steam on the line, and in accordance with all other requirements specified for the boiler and refrigeration equipment.

No change in the architects' and/or the engineers' contracts will be required. The necessary changes will be handled by change order to other existing contracts with the Henry Vogt Machine Co. or as the Campus Planning Committee and administration may deem necessary.

It was also recommended by the Campus Planning Committee that all measures be taken to expedite this project. Should proper communications be lax and any discrepancy appear regarding the schedule proposed at the December 13, 1966, meeting of the Board of Directors, the architects and the engineers will be requested to meet, jointly, with the Campus Planning Committee.

Jerry Kirkwood
Coordinator

The meeting adjourned at 5:40 p.m.

Campus Planning Committee
January 10, 1967
Attachment No. 694
Item No. 3574

TEXAS TECHNOLOGICAL COLLEGE

Lubbock, Texas

Department of Building Maintenance
and Utilities

January 4, 1967

Miss Jerry Kirkwood
Campus Planning Committee Coordinator
Texas Technological College
Lubbock, Texas

Dear Miss Kirkwood:

On Friday, December 30, 1966, a visit was made to Fort Worth and the offices of H.U.D. Mr. Jim Worley and Bob Lyford of Zumwalt and Vinther's Dallas office accompanied me on this visit. Our appointment was with Mr. K. Berry as Mr. Newsom was on vacation. We also visited with Mr. Lotharp who is engineer for this district. I briefly explained to Mr. Berry our problems in having the plant in operation in time for heating season of 1967, and a number of questions were asked him which he felt he could not answer. He then called in Mr. King, chief of the engineering division. Mr. King was very helpful and made a number of quotes which he suggested that he not be quoted on, but they were very helpful in arriving at some decisions we felt needed to be made as soon as possible.

He suggested first that we go ahead and advertise as soon as possible on the equipment that we are to purchase, and take bids as soon as the advertising had been done. Following this conversation, the following schedule was set up: Advertise on the taking of bids for the additional equipment on January 7, 1967. Take bids on this equipment January 26, 1967. He indicated that they were going to go along with us on this and would review the bid documents as soon as Jim could bind them along with their forms which must accompany the specifications. He then suggested that we make the mechanical contractor the prime contractor on this job and go ahead and take bids on the mechanical and electrical portion of this building as soon as possible in order that the mechanical contractor may purchase additional materials such as piping and fittings and be fabricating this while the architects are completing their plans on the building.

It was established that new wage rates would be required for taking of bids on the mechanical. Here again Mr. King suggested that we use the same craft that we have been using. To change a craft and set new wage rates for this would be time consuming. He then said that if we require craft that are not on the wage rate scale to get the man from A.G.C. to set the prevailing rate for this type of craft, then notify his office and they could make the necessary changes without having to go back through Washington on this. He indicated they were permitted this privilege of making this type of change in the labor rates. He also remarked that we could go ahead and advertise on the date for taking bids on the mechanical and electrical even before they had concurred in our bidding documents. He indicated that if any changes should be necessary and the date originally established could not be met, then we could always move the bid date forward any period of time which would be necessary.

On this basis Jim and I agreed that plans could go out on the mechanical and electrical on January 20, 1967. Take bids on February 14, 1967. If this schedule is followed we would need to advertise on January 21, 1967, on the mechanical and electrical plans.

Miss Jerry Kirkwood, Jan. 4, 1967 - Page 2

Mr. Worley indicated that when the plans go out he would be happy to set a date with any mechanical and electrical contractors wishing to bid the job and go over in detail both the plans and specifications and the intent of plans and specifications in order that no mistakes in bidding be made.

Mr. Worley and I felt that our meeting with Mr. King was very profitable, in fact more so than any we have made, as he seemed to appreciate our problem, indicating that they had helped another institution in similar conditions. If this schedule can be maintained, I feel much better about the possibility of having steam by the time severe weather begins next fall.

Sincerely,

O. R. DOWNING,
Director

ORD/lv

cc: Mr. M. L. Pennington
Mr. N. E. Barrick
Mr. E. J. Urbanovsky
Mr. J. G. Taylor
Mr. J. T. Worley

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 324

January 12, 1967

A meeting of the Campus Planning Committee was held at 4:00 p.m. on January 12, 1967, in Room 120 of the Administration Building.

Members present were Chairman M. L. Pennington, Mr. E. J. Urbanovsky and Mr. Nolan E. Barrick.

Other College staff members present were Mr. John G. Taylor, Miss Evelyn Clewell and Miss Jerry Kirkwood. Mr. O. R. Downing could not attend as he entered the hospital on an emergency basis.

Mr. Howard Schmidt, Consulting Architect, was present.

Members of the Biology Department present were Dr. Earl D. Camp, Head, and Dr. Lyle C. Kuhnley.

Mr. Berwyn Tisdell, of Howard Schmidt & Associates, and Mr. Joseph Robert Deshayes, of Pierce & Pierce were also in attendance.

The purpose of the meeting was to have Mr. Deshayes present the revised exterior elevations of the Biology Building.

3575. Biology Building (CPC No. 99-65) (Pierce & Pierce)

Exterior Design

Based upon the instructions given the Campus Planning Committee by the Board of Directors on August 19, 1966, study was made of three schemes, presented by Mr. Deshayes, reflecting requested changes in the exterior design of the building.

The slight arch effect at the entrance of the main structure has been included and accepted by the Campus Planning Committee.

The first scheme for the design of the screen treatment at the greenhouse level was presented which indicated the use of brick incorporating the tones of red existing on the campus.

The treatment was felt to present detailing which would include maintenance problems and was not felt to be particularly pleasing in the opinion of those present.

The second scheme presented for the design of the screen treatment included 11½" X 7" solar type tile incorporated with rubbed concrete. The rubbed concrete and the solar tile, in the tones of the existing clay tile roofs and stone on campus, alternate in material exposure. The concrete extends one tile course above the tile and lends support to the solar tile elements.

Consideration was given to raising the entire screen by one tile course but was reconsidered upon seeing the proportions created.

The first solar tile located above the roof line will act as an overflow scupper. The sun angles, considering the height of the screen, have been studied and are considered adequate by the architects.

A third proposal was made by the architects for the consideration of the Campus Planning Committee. The scheme included the use of terra cotta incorporated in the screen design but was not within the budget.

3575. Biology Building (CPC No. 99-65) (Pierce & Pierce) (Continued)

The use of the solar tile, as before described, was within the original budget figures, in keeping with the repetition of tile tones, stone and brick existing, and was accepted by the Campus Planning Committee.

Schedule

The architects requested the bid date to be extended and that the Board of Directors be asked to consider the presentation of construction drawings at the April 8, 1967, meeting and further present the recommended award of contracts to the Board at the June 3, 1967, meeting.

Requested change in the schedule was made in view of the observations by the architects that the engineers, Lockwood, Andrews and Newman, are behind with the mechanical and electrical plans.

Other Items

The request made for the study of an additional egress and access point at the west side of the lecture hall has been studied by the architects.

Additional foyer and passage space has been provided in the original scheme and circulation is considered adequate by the architects without additional egress and access points.

The architects requested that soil investigations be made at the site including a 35' depth with complete analyzation of conditions.

Jerry Kirkwood
Coordinator

The meeting adjourned at 5:35 p.m.

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 325

January 13, 1967

A meeting of the Campus Planning Committee was held at 11 A. M. on January 13, 1967, in Room 120 of the Administration Building.

Members present were Chairman M. L. Pennington, Mr. E. J. Urbanovsky and Mr. Nolan E. Barrick.

Other College staff members present were Mr. John G. Taylor and Miss Jerry Kirkwood.

Mr. Howard Schmidt, Consulting Architect, was present.

Also in attendance was Mr. Robert Messersmith, representing the architectural firm, Schmidt and Stiles, Roberts and Messersmith.

The purpose of the meeting was to consider the parking studies made by the architects and as requested by the Campus Planning Committee in order that estimated cost could be included in the application for loan assistance for Phase II of the Wiggins Complex.

3576. Wiggins Complex (CPC No. 97-65)

(Schmidt and Stiles, Roberts and Messersmith)

Mr. Schmidt and Mr. Messersmith presented seven studies which included variations of temporary parking for Phase I, and surface on-site parking and off-site parking as well as studies of parking garages were presented for Phase I and Phase II.

The following reflects the various schemes presented and the action taken by the Campus Planning Committee.

Scheme I

The site is the northern most side south of the existing row of trees and just north of the Phase I site. The on-surface lot considered as temporary parking for Phase I would accommodate 434 cars. The on-site paved parking areas would handle additional automobiles for a total of 783 parking spaces.

In order to provide the forty to sixty percent ratio of women to men, requested by the Board of Directors, the parking would actually need to accommodate 800 automobiles.

The estimated cost of this temporary parking lot is \$20,000 to \$25,000.

Scheme II

This scheme was based upon the originally proposed large lot west of the complete site for Phase I and Phase II and would provide parking for Phase I only. The housing provides for 1,716 students and the parking, proposed, includes parking facilities for 587 automobiles on the site with 1,169 of the automobiles provided for in the lot located west of the site. Paving for these lots would be considered as permanent.

Scheme III

This scheme has provided a parking garage. It has been considered as parking for Phase I and Phase II to accommodate a total of 1,767 automobiles. Four hundred ninety-eight (498) cars could be parked on the on-site lots as well.

3576. Wiggins Complex (CPC No. 97-65) (Cont'd)

The scheme presented indicates five levels of parking, below grade with the roof of the structure at grade, being used for recreation or other purposes. The site of the parking garage is north of the Phase I site and the land usage is similar to that as presented in Scheme I.

Scheme IV

The scheme provides for 442 cars to be accommodated on on-site parking lots. It also included a parking garage designed with five levels below grade with a recreation area at grade level. The proposed site is the northwest corner of the site of Phase I and Phase II and would provide parking for a total of 1,687 automobiles, 1,245 of the spaces being in the garage.

Courtyard-type landscaping was proposed at grade level.

Scheme V

This proposal also included a parking garage which will accommodate 1,266 cars in a seven level, below grade structure. Recreational facilities are proposed at grade.

Four hundred ninety-eight (498) automobiles could be parked at surface grade on the site as well.

The location proposed was northwest of the total site of Phase I and Phase II.

Scheme VI

The parking garage presented in this scheme provides for parking for the total complex. Four hundred ninety-eight (498) automobiles could be accommodated at grade level on-site parking. The remaining 1,280 automobiles would be accommodated in the five level above grade parking garage.

The location is northwest of the site for Phase I and Phase II.

Scheme VII

A parking garage with levels below and above grade is proposed. Three levels would be below grade and three levels above grade. The garage would accommodate 1,226 automobiles and on-surface parking throughout the site would provide for 498 automobiles.

The site selected for this garage is northwest of the total Phase I and Phase II site.

After thorough investigations of costs of parking garages recently constructed throughout Texas, the architects stated that parking spaces for 1,200 automobiles in a garage facility would cost between \$2,000,000 and \$2,500,000.

As the application for loan assistance must be filed with the College Housing Loan Branch, Department of Housing and Urban Development, by January 19, 1967, or earlier, the Campus Planning Committee recommended the following be included in cost estimates for application purposes only. Cost of a permanent parking lot to accommodate 1,169 automobiles, shown on the plans accompanying the application, to be located west of the total site for Phase I and Phase II. The remaining number of cars, in order to accommodate the 1,716 residents, to be accommodated on the site proper.

3576. Wiggins Complex (CPC No. 97-65) (Cont'd)

The estimated cost included in the application is \$95,000 and is shown as a part of site improvements.

The recommendation of the Campus Planning Committee is not to be considered as the solution to the problem. The application for loan assistance reflects only a request for a sale of bonds to cover expenses estimated.

The Campus Planning Committee further recommended that continued study of temporary parking facilities for Phase I, and the final solution for parking the resident students of Phase I and Phase II, be given by the Campus Planning Committee.

Jerry Kirkwood
Coordinator

The meeting adjourned at 12:20 p.m.

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 326

January 18, 1967

A meeting of the Campus Planning Committee was held at 3 P. M. on January 18, 1967, in Room 120 of the Administration Building.

Members present were Chairman M. L. Pennington, Mr. E. J. Urbanovsky and Mr. Nolan E. Barrick.

Other College staff members present were Mr. John G. Taylor, Mr. Robert Price, Mr. Justin Elliott and Miss Jerry Kirkwood.

Mr. Howard Schmidt, Consulting Architect, was present.

Mr. H. A. Padgett, Jr., Lubbock contractor, was present to offer his help with no obligation to the College.

The purpose of the meeting was to discuss the requirements of performance and payment bonds of the contractors for mechanical and electrical work and general contracting work for the Central Heating and Cooling Plant.

3577. Central Heating and Cooling Plant (CPC No. 105-66)
(Zumwalt & Vinther, Inc., Engineers)
(Pitts, Mebane, Phelps and White, Architects)

The project has so many facets regarding the various contracts which have been accepted and those which are to be awarded in the future, proper requirements of the contractors for performance and payment bonds were felt to be necessary.

After all due consideration, the Campus Planning Committee recommended the following:

The contractor, or contractors, for the accessory equipment should be required to provide performance and payment bonds to the Owner which shall be later assigned to the general contractor.

The architects and the engineers shall be required to include in their contract documents, a clause requiring performance and payment bonds to be assigned to the Owner with later assignment to be made to the future general contractor. Included in the specifications shall be the notification that the Owner plans to file a letter of intent with the successful bidder that he is authorized to proceed in ordering the necessary equipment and that the College will protect the purchase of such equipment.

The architects are requested to include in their contract documents a clause providing for the future general contractor, on the project, to provide a performance and payment bond for the entire project. Such a bond would include coverage for the building construction as well as all mechanical and electrical work.

At anytime that the Owner shall require such bonds, the bonding fee of the contractor, or contractors, is included within the contract amounts bid. Although it may appear that the College is responsible for the double bonding expenses of various bonds requested of the contractors, such expenses are borne out and shared among the various subcontractors and the general contractor.

The above spreading of such expenses borne by the Owner are picked up by the general contractor as he will require of all of his subcontractors a direct performance and payment bond to be assigned directly to the general contractor.

3577. Central Heating and Cooling Plant (CPC No. 105-66)(Continued)
(Zumwalt & Vinther, Inc., Engineers)
(Pitts, Mebane, Phelps and White, Architects)

Regarding the mechanical and electrical work now being prepared by the engineers for issuance of bids, the Campus Planning Committee recommended that the required bonds assigned to Texas Tech be held by a time option and that such bonds then be assigned to the general contractor upon awarding the contract for general construction.

The engineers have requested a \$50,000 contingency to be included in the mechanical and electrical work for which bids are to be taken on February 14, 1967. The Campus Planning Committee recommended that the advice of the engineers be taken and that the contingency be allowed in order that the total contract amount of the work included in the specifications would be known. Also, it was felt that the amount of time involved in possible change orders could be decreased and further expedite the job.

According to the schedule provided by the architects and the engineers, the engineers are scheduled to meet with the Housing and Urban Development officials on January 20, 1967. The College usually has a representative at each of these meetings and as Mr. O. R. Downing, coordinator for the project, is in the hospital, it was recommended that Mr. Howard Schmidt and Mr. John G. Taylor attend the meeting.

It was also recommended by the Campus Planning Committee that the architects and the engineers be informed of the above action so they could include such action in their contract documents. A conference telephone call among the College representatives, the architects, and the engineers on this date was recommended.

Jerry Kirkwood
Coordinator

The meeting adjourned at 3:45 p.m.

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 327 January 21, 1967

A meeting of the Campus Planning Committee was held at 9 A. M. on January 21, 1967, in Room 120 of the Administration Building.

Members present were Chairman M. L. Pennington and Mr. E. J. Urbanovsky. Mr. Nolan E. Barrick's comments on the prepared agenda were available.

Other College staff members present were Mr. John G. Taylor, Mr. Justin Elliott, Resident Construction Coordinator and Miss Jerry Kirkwood.

Mr. Howard Schmidt, Consulting Architect, was present.

Mr. Berwyn Tisdell, of Howard Schmidt & Associates, was present for the presentation of the Sheep and Goat Facilities and the Entry Stations.

3577. Administration Building Remodeling

A. East Wing - First Floor and Basement

Final completion date for the contractor, H. A. Padgett, Jr., general contractor on the project, is December 12, 1966.

A few items remain to be completed under the contract with the interior designers and final payment has not been made. Upon completion of these items, final payment will be made.

B. West Wing - Basement

Progress to date is ninety-five percent (95%) complete.

3578. Agricultural Facilities

Sheep and Goat Facilities

The Consulting Architect presented the plans based upon the request of the Campus Planning Committee that the scope of the project be reduced, and that construction cost also be reduced with the consideration of the materials used.

The Campus Planning Committee considered the scope of the project and the estimate to still be out of the scope which could be understood by the Campus Planning Committee.

It was recommended that a subcommittee composed of Mr. M. L. Pennington, Mr. E. J. Urbanovsky, Mr. Howard Schmidt, Mr. Berwyn Tisdell and Miss Jerry Kirkwood, meet with Mr. Frank Hudson and Dr. Gerald W. Thomas to review the plans submitted.

3579. Biology Building (CPC No. 99-65) (Pierce & Pierce)

The architects have requested a complete soil investigation of the site and this expense is normally covered by the College.

Mr. Howard Schmidt was requested to ask for bids from various laboratories, in the vicinity, and to hand such bids to Miss Jerry Kirkwood for consideration of the Campus Planning Committee.

3580. Business Administration Building (CPC No. 98-65)
(Page, Southerland, Page, Architects)
(J. J. Fritch and Company, Inc., Contractors)

For information only:

Mr. Fred Howell and the contractor's superintendent, Mr. Jack Arthur, arrived on January 17, 1967. The contract between the Board of Directors and the contractor was handed to Mr. Fred Howell on January 20, 1967.

The official Notice to Proceed has not been issued, as yet, as all contract documents must be forwarded to the Department of Housing and Urban Development prior to this notification.

However, Mr. Howell indicated that he would begin the excavation of the basement of the Business Administration Building based upon the contract issued.

Mr. Howard Schmidt, Consulting Architect, will coordinate the project and Mr. Justin Elliott will represent the College as the Resident Construction Coordinator. The Resident Construction Coordinator's duties, as agreed upon between the College and the architects, will be as outlined in the AIA Document D352, dated September, 1963, Edition. (Attachment No. 695, page 3045)

Interior Designer Services

A preliminary estimate of equipment costs of \$170,000 has been prepared by the architects and submitted to the Campus Planning Committee.

\$100,000 would cover equipment for duplicated areas under a reduced fee of $3\frac{1}{2}\%$ based upon the total fee of the designer's services of 7%.

The remaining \$70,000 in equipment would fall under the proposed total fee of 7%.

Items of furniture and equipment to be included in the interior designer's fee and the estimated cost is included in attachment. (Attachment No. 696, page 3046)

The Campus Planning Committee recommended that the interior designer's proposal be accepted and presented for consideration to the Board of Directors and that Mr. Howard Schmidt coordinate the services with the interior designer. The designer's services are included within the architectural firm of Page, Southerland, Page, and under a separate fee.

The classroom furniture and all other items not included in the interior designer's fee shall be studied, selected, and method of purchase handled by Mr. John Taylor and Mr. Dean Smith.

3581. Carpenter, Wells, Thompson and Gaston Halls (Repainting, Summer, 1967)

The request for repainting of the above halls was submitted for the summer of 1966. At the time of the request, time did not allow the accomplishment of the work during the summer of 1966.

The request has been submitted by the Director of Residence Halls, Mr. Guy Moore, for 1967. A subcommittee, composed of Mr. John G. Taylor, Mr. Howard Schmidt and Miss Jerry Kirkwood, was appointed by the Campus Planning Committee to work with Mr. Guy Moore and Mrs. Shirley Bates in order to establish the areas needing attention, an estimate of cost for such repairs, and the preparation of specifications for accomplishing the work.

3581. Carpenter, Wells, Thompson and Gaston Halls (Cont'd)

It was noted by the Campus Planning Committee that close attention should be paid to the time schedule for the repair of the dormitories, and that such a schedule would include a staggering of such repairs during the summer months.

The above is called to the attention due to the fact that Doak Hall, as well, needs attention of repairs in the summer of 1967.

Considering the construction on the Campus and other construction within the City, it is doubtful that enough painters can be secured to accomplish the work required on the Campus during the summer of 1967.

Mr. Nolan E. Barrick entered the meeting.

3582. Central Heating and Cooling Plant (CPC No. 105-66)

(Zumwalt & Vinther, Inc., Engineers)

(Pitts, Mebane, Phelps & White, Architects)

The bids for accessory equipment for the project will be opened at 3 P. M., January 26, 1967, in Mr. M. L. Pennington's office, and has been cleared with the Department of Housing and Urban Development.

Plans and specifications for the mechanical and electrical work, piping, fittings, valves and etc., will be issued for bids on the 24th or 25th of January, 1967. Plans to receive bids are tentatively scheduled for February 14, 1967, dependent upon the concurrence with the Department of Housing and Urban Development.

The bonds required to be included in the specifications for the mechanical and electrical work for piping, fittings, valves and other work, and the procedures for such, as directed to the engineers by the Campus Planning Committee, have been questioned by the Housing and Urban Development officials.

The Housing and Urban Development officials and the Campus Planning Committee recommended that legal consultation be sought concerning the bonds to be required and to whom they might be assigned.

A subcommittee consisting of Mr. John Taylor, Mr. Nolan E. Barrick and Mr. Howard Schmidt was appointed to meet with Mr. James H. Milam and to make a recommendation to the Campus Planning Committee as soon as possible. The engineers must include this information in their specifications, or are to include such directives by addendum prior to the receiving of bids.

3583. Entrance Marker (Amon G. Carter Plaza) (Estimated cost \$32,600)

(Howard Schmidt and Associates, Architects)

The progress report, dated January 2, 1967, is attached for information. (Attachment No. 697, page 3047)

3584. Entry Stations

(Howard Schmidt and Associates, Architects)

The five Entry Stations were inspected by the architects on January 3, 1967, and items needing correction were transmitted to the contractor. Also included were items requiring the attention of the Building Maintenance Department.

On January 19, 1967, the Entry Stations were again inspected at the request of the contractor. (The contractor in this case is the Pittsburgh Plate Glass Company.) Upon this inspection it was revealed that the entry stations were substantially complete with the exception of a few minor items.

3584. Entry Stations (Cont'd)

It is recommended by the Campus Planning Committee that final payment not be made to the Pittsburgh Plate Glass Company, the contractor, until their work has been finished, inspected and approved.

Carpet pads have been installed by the College to help with the warmth of the attendants.

In the punch list prepared by the architects was also noted that two plexiglass panels have been broken by vandals.

The architects recommended the College purchase additional plexiglass to keep in stock as quick delivery cannot be expected.

3585. Foreign Languages-Mathematics Building (CPC No. 79-63)
(Pitts, Mebane, Phelps and White, Architects)A. Equipment

Mr. John Taylor and Mr. Dean Smith, Purchasing Agent, are preparing the documents for purchase of the equipment.

Based upon the architects' estimated building completion date, the delivery of the furniture will be required of the furniture contractors between June 1 and 30, 1967, with a liquidated damage of \$50.00 per day thereafter.

B. Tunnels and Utilities Extensions

Miss Kirkwood was asked to set up a time for a party, representing the College, to inspect the completed tunnel work prior to final payment.

3586. Hydraulics Laboratory for the Department of Civil Engineering

Dr. W. M. Pearce, Executive Vice President, requested the Campus Planning Committee to begin study of the needs and for Dean John R. Bradford to ask Dr. Keith R. Marmion, Head of Civil Engineering to begin work with the Campus Planning Committee.

3587. Museum (CPC No. 65-61) (Associated Architects and Engineers of Lubbock)

Mr. Howard Schmidt has been coordinating the project which is covered under the terms of his contract.

The architects' have requested that the entire 70 acre site be surveyed and that existing grades be provided. Mr. John Taylor will provide the limits of the lease area agreed upon between the Board of Directors and the United States Government for the Naval Reserve Training Center and Mr. Howard Schmidt will secure quotations from registered land surveyors regarding the establishment of existing grades which will be considered by the Campus Planning Committee.

3588. Procedures

With a building program of approximately \$50,000,000 in various stages of implementation, the Campus Planning Committee spends a good bit of time discussing improvement in the operating procedures. There have been so many changes that there is need to update and formalize operating procedures.

3588. Procedures (Cont'd)

There have been a good many crises in the past few years with the result that there has been little time to spend on developing improved procedures. Perhaps the Central Heating and Cooling Plant is the last remaining crisis and there may be more time for implementation of the other projects within the program at the current time, and the others that are to be added. Also, the size and more complicated construction justifies more formal and thorough procedures than have always been possible. The members of the Board of Directors should have a better idea of what is to be presented to them for approval with an opportunity for time to study it.

The first major step in the improved procedures will be the Procedures Manual which is in the process of preparation under the direction of Mr. Howard Schmidt, the Consulting Architect.

It was agreed that the individual project brochures would be presented to the Campus Planning Committee and the Building Committee far enough ahead of meetings to allow for a thorough study and that a time schedule would be prepared accordingly.

Also, the Procedures Manual will be presented early enough for study before it is recommended for approval by the Campus Planning Committee and the Building Committee.

Various other philosophies for improvement of procedures were discussed and it was the consensus that a good bit of needed progress had been made. The Procedures Manual should be of much help to the department heads, deans, architects, contractors, suppliers, Campus Planning Committee, members of the Board of Directors and others.

3589. Research Park

Dr. W. M. Pearce indicated to the chairman that the Campus Planning Committee may be requested to study and recommend a site for a Research Park.

3590. Resident Construction Coordinator

Mr. Justin Elliott, who is an employee of the College, is presently coordinating the construction work of the Wiggins Complex and the Business Administration Building.

In view of establishing procedures, the Campus Planning Committee recommended that Mr. Elliott be responsible for:

- (1) Examination, before handing to the project architects', of any change orders for projects in progress for which he is responsible.
- (2) Checking of payment estimates before handing to the project architects' for the projects in progress for which he is responsible.
- (3) Attending Campus Planning Committee meetings including items directly concerning the projects for which he is responsible.
- (4) Accepting subcommittee work in areas where his experience can be of value to the College.
- (5) Coordinating other work when assigned and assisting in other areas when possible to be of assistance.

3591. Stadium Light Standards (Fallen Standards, January 6, 1967)

Investigation of the damage continues and the following report is included for information.

Mr. Roy Meyer of the Meyer Machine Company, manufacturer of the standards, has been contacted and photographs of the damage forwarded to him at his request.

Mr. Meyer will make a preliminary investigation with photographs and small anchoring members, to be sent to him, and will visit the campus to make an on-site investigation.

Mr. Strader, a representative of the Meyer Machine Company in Lubbock, has also taken photographs and searched for nuts and bolts which flew free from the structure and the standards. The Building Maintenance Department is also searching for the same bracing member elements.

The Building Maintenance Department has prepared a report including drawings prepared by the department, and photographs of close-up damage as taken by the Department of Public Information.

A copy of the photographs and the comprehensive report is on file in the Campus Planning Committee Coordinator's office.

It was agreed that correction must be pursued diligently in order that lights will be available next fall.

The remaining poles on the east side have received additional bracing and those on the west side have had the bolts tightened. Steps have been taken to provide regular inspections in the future.

3592. Student Health Service (Addition, 1967)

For information only:

Dr. Kallina has requested 2,000 square feet of additional space which is tentatively requested to handle a student enrollment of 30,000.

The unappropriated balance for the Infirmary is \$70,769.72.

Final requests are currently dependent upon the restudy with Dr. Kallina of the space requested. The Campus Planning Committee feels 2,000 square feet of additional space may be inadequate to accommodate a student body of 30,000.

Mr. Barrick reported that the existing structure is not structurally designed for a third floor.

3593. Student Union Building (Addition, 1967)

Mr. Howard Schmidt was instructed to begin programming the project under the terms of his contract.

The initial program will be prepared by Mr. Schmidt with the help of Dean Allen and the Student Union Committee for presentation to the Campus Planning Committee.

Supplementary request of the January 9, 1967, meeting of the Tech Union Board, and the memorandum of notes taken at this meeting prepared by Miss Kirkwood is attached.
(Attachment No. 698, page 3048)

3593. Student Union Building (Addition, 1967) (Cont'd)

Also attached is the additional programming material requested by the Consulting Architect, dated January 13, 1967, for the purpose of establishing an amount of bonds to be sold in connection with the application for loan assistance for Phase II, Wiggins Complex, which was filed on January 19, 1967.
(Attachment No. 699, page 3049)

Attached also, is the request of the Ex-students Association, dated January 9, 1967.
(Attachment No. 700 , page 3050)

The Campus Planning Committee recommended that Mr. Schmidt study the possibility of a Student Union Building No. 2, without the abandonment of the existing Student Union Building as a student union facility.

3594. Wiggins Complex (CPC No. 97-65)
(Schmidt and Stiles, Roberts and Messersmith)

For information only:

The application for loan assistance for Phase II has been submitted to the College Housing Loan Branch, Department of Housing and Urban Development.

Total estimated cost of the project is \$10,000,000.
An amount for the expansion of the Student Union Facilities is included for the purpose of selling bonds with those for this project.

Jerry Kirkwood
Coordinator

The meeting adjourned at 12:20 p.m.

Campus Planning Committee
January 21, 1967
Attachment No. 695
Item No. 3580

THE AMERICAN INSTITUTE OF ARCHITECTS

AIA DOCUMENT
SEPT. 1963 ED.

B352

SUGGESTED INSTRUCTIONS TO
FULL-TIME PROJECT REPRESENTATIVE

RECOMMENDED AS AN EXHIBIT TO THE OWNER-ARCHITECT
AGREEMENT WHEN A FULL-TIME PROJECT REPRESENTATIVE IS EMPLOYED

1. **EXPLAIN CONTRACT DOCUMENTS:** Assist the Contractor via the Contractor's Superintendent to understand the intent of the Contract Documents.
2. **OBSERVATIONS:** Conduct on-site observations and spot checks of the work in progress as a basis for determining conformance of work, materials and equipment with the Contract Documents.
3. **ADDITIONAL INFORMATION:** Obtain from the Architect additional details or information if, and when, required at the job site for proper execution of the work.
4. **MODIFICATIONS:** Consider and evaluate suggestions or modifications which may be submitted by the Contractor to the Architect; and report them with recommendations to the Architect for final decision.
5. **CONSTRUCTION SCHEDULE AND COMPLETION:** Be alert to the completion date and to conditions which may cause delay in completion, and report same to the Architect. When the construction work has been completed in accordance with the Contract Documents, advise the Architect that the work is ready for general inspection and acceptance.
6. **LIAISON:** Serve as liaison between Contractor and the Architect and maintain relationship with the Contractor and all subcontractors on the job only through the Contractor's job superintendent. Protect against the Owner issuing instructions to the Contractor or his employees.
7. **JOB CONFERENCES:** Attend and report to the Architect on all required conferences held at the job site.
8. **OBSERVE TESTS:** See that tests which are required by the Contract Documents are actually conducted; observe, record and report to the Architect all details relative to the test procedures; and advise the Architect's office in advance of the schedules of tests.
9. **INSPECTIONS BY OTHERS:** If inspectors, representing local, state or federal agencies, having jurisdiction over the Project, visit the job site, accompany such inspectors during their trips through the Project, record the outcome of these inspections and report same to the Architect's office.
10. **SAMPLES:** Receive samples which are required to be furnished at the job site; record date received and from whom, notify the Architect of their readiness for examination; record Architect's approval or rejection; and maintain custody of approved samples.
11. **RECORDS:**
 - a) Maintain at the job site orderly files for (1) correspondence, (2) reports of job conferences, (3) shop drawings and (4) reproductions of original contract documents including all addenda, change orders and additional drawings issued subsequent to the award of the contract.
 - b) Keep a daily diary or log book, recording hours on the job site, weather conditions, list of visiting officials and jurisdiction, daily activities, decisions, observations in general, and specific observations in more detail as in the case of observing test procedures.

SUGGESTED INSTRUCTIONS TO FULL-TIME PROJECT REPRESENTATIVE
 THE AMERICAN INSTITUTE OF ARCHITECTS
 AIA DOCUMENT, Sept. 1963, ED. - B352

Page 2

-
11. c) Record names, addresses and telephone numbers of all contractors and subcontractors.
 12. SHOP DRAWINGS: Do not permit the installation of any materials and equipment for which shop drawings are required unless such drawings have been duly approved and issued by the Architect.
 13. CONTRACTOR'S REQUISITIONS FOR PAYMENT: Review with all concerned the requisitions for payment as submitted by the Contractor and forward them with recommendations to the Architect for disposition.
 14. LIST OF ITEMS FOR CORRECTION: After Substantial Completion, make a list of items for correction before final inspection; and check each item as it is corrected.
 15. OWNER'S OCCUPANCY OF THE BUILDING: If the Owner occupies (to any degree) the building prior to actual completion of the work by the Contractor, be especially alert to possibilities of claims for damage to completed work prior to the acceptance of the building.
 16. OWNER'S EXISTING OPERATION: In the case of additions to, or renovations of an existing facility, which must be maintained as an operational unit, be alert to conditions on the job site which may have an effect on the Owner's existing operation.
 17. GUARANTEES, CERTIFICATES, MAINTENANCE AND OPERATION MANUALS. During the course of the work, collect Guarantees, Certificates and Maintenance Operation Manuals and Keying Schedule, and at the acceptance of the Project, assemble this material and deliver it to the Architect for forwarding to the Owner.
 18. LIMITATIONS OF AUTHORITY: Do not become involved in any of the following areas of responsibility unless specific exceptions are established by written instructions issued by the Architect.
 - a) Do not authorize deviations from the Contract Documents.
 - b) Avoid conducting any tests personally.
 - c) Do not enter into the area of responsibility of the Contractor's field superintendent.
 - d) Do not expedite job for Contractor.
 - e) Do not advise on, or issue directions relative to, any aspect of the building technique or sequence, unless a specific technique or sequence is called for in the specifications.
 - f) Do not approve shop drawings or samples.
 - g) Do not authorize, or advise, the Owner to occupy the Project, in whole, or in part, prior to the final acceptance of the building.
 - h) Do not issue a Certificate for Payment.

Campus Planning Committee
 January 21, 1967
 Attachment No. 696
 Item No. 3580

Business Administration Building - By P. S. P.

TEXAS TECH FURNISHINGS
 Preliminary Estimate

Dec. 31, 1966

General Comments

1. I feel that any estimate we make at this time is of little value due to the following:
 - a. The areas to be furnished are not fixed.
 - b. We do not know what equipment if any should be a part of the estimate.
 - c. We do not know the work or methods used by the people in the offices and therefore can not pick proper pieces to do the job right.
2. Within the above limits I have made an estimate assuming the following:
 - a. Included areas:
 1. Basement work room
 2. All areas of Dean's Complex & reading room
 3. Faculty snack bar & women's lounge
 4. Entrance lobby
 5. All areas of Dept. Head's area
 6. All offices and conference rooms on 3rd thru 12th floor.
 - b. Included items:
 1. All loose furniture
 2. Drapery
 3. Carpet
 4. Desk & room accessories
 5. File cabinets listed in the program for above spaces.
No other machines or equipment included.
 - c. Quality
 1. Dean's office - very top quality
 2. Assistant Dean's office - very top quality
 3. Department Head - good quality
 4. Faculty offices - standard quality
 5. Public spaces - top quality
3. Preliminary Estimate
 All areas as noted above - \$170,000.00

Duke December 31, 1966

(1 week spent by Gowin in preparing this estimate) (He prepared & used a hypothetical furniture layout)

Campus Planning Committee
January 21, 1967
Attachment No. 697
Item No. 3583

PROGRESS REPORT

January 20, 1967

AMON G. CARTER PLAZA ENTRANCE MARKER
TEXAS TECHNOLOGICAL COLLEGE

Since the allocation of additional funds to the project, we have proceeded with refinements of Phase 1 of the preliminary design concept.

Our first step was to construct a full scale mock-up of the college seal and supporting walls on the site. This was done to determine the proper scale of the site.

After observing the full scale mock-up, several studies were made and it was our feeling that the size of the seal should be reduced slightly and the base should be simplified from our earlier preliminary studies. New drawings were prepared incorporating these revisions.

These drawings were sent to fountain manufacturers for their study and for cost estimates. The drawings were also sent to granite suppliers for cost estimate of the granite seal and its supporting base. Response from the above inquiries indicated that the project budget would be considerably exceeded.

We are presently in the process of reviewing the fountain and granite estimates for possible savings and we are also exploring the use of other paving materials around the pool and seal base for construction economies.

Respectfully submitted,

HOWARD SCHMIDT AND ASSOCIATES

Campus Planning Committee
January 21, 1967
Attachment No. 698
Item No. 3593

TECH UNION BOARD MEETING

Minutes of Friday, December 9, 1966, 4:00 p.m.
Student Life Conference Room

Present were: Mr. Wayne James, Mr. Nelson Longley, Dr. Florence Phillips, Mrs. Dorothy Pijah, Beverly Barlow, Bill Beuck, Bob Elkins, Janie Kinney, David Snyder, and the chairman.

The chairman stated that whereas the last meeting was devoted to considering areas for which expansion recommendation already had been made, the present meeting was to be devoted to considering other possibilities for Union expansion.

Mr. Longley presented a list of 23 possible areas that might be a part of the expansion of our Union physical facilities. Questions and comments followed on these areas.

Then it was proposed that we ask the college architect to meet with the committee at his earliest convenience to discuss implications in the present building for expansion. The chairman agreed to secure Howard Schmidt for an early meeting.

The meeting adjourned at 5:20 p.m.

James G. Allen, Chairman
Tech Union Board

JGA:mmm

cc: Dr. Grover E. Murray
Dr. W. M. Pearce
Mr. M. L. Pennington

Enclosures

ADDITIONAL POSSIBILITIES FOR THE UNION EXPANSION PROGRAM

1. Ticket and Information Booth
2. Games area for Faculty
3. Board of Directors Room (Meeting & Dining)
4. Music Listening Room
5. Student Activity Offices (Student Council, AWS, B.S.O. etc.)
6. Organization storage lockers
7. TV Lounge
8. Dance area in the Snackbar
9. Lost and Found area
10. Special Guests Rooms
11. Expansion of the Ex-Students Offices
12. Addition to the cafeteria kitchen.
13. Very formal reception room - perhaps in conjunction with the Board of Directors rooms.
14. Office area for program council. (Individual desks for staff executives and chairmen.
15. Card playing room
16. Study rooms
17. Art Gallery
18. Browsing room - papers & periodicals
19. Small piano room - private
20. More exhibit cases
21. Remodeling in the original part of the Union building
22. Vending machine area
23. Barber and beauty shop

TECH UNION BOARD MEETING

Minutes of Friday, December 16, 1966, 4:00 p.m.
Student Life Conference Room

Present were: Dean Florence Phillips, Mrs. Dorothy Pijan, Mr. Wayne James, Mr. Nelson Longley, Beverly Barlow, Janie Kinney, Bob Elkins, Bill Beuck, Ronnie Brown, David Snyder, and the chairman. Also present were Miss Jerry Kirkwood, Campus Planning Committee Coordinator, Mr. Howard Schmidt, College Architect, and Mr. Berwyn Tisdell of Howard Schmidt and Associates.

The chairman gave a summary statement on the work done thus far by the Union Board for the proposed Union expansion; the determination of the immediate and pressing needs in our physical facilities (actually as established August a year ago, when recommendations were made on them); and the compiling of a list of desirable additions to Tech Union as it would facilitate programs for its students of the future. He then asked Mr. Schmidt for his ideas on the expendable aspects of the Union building along with his suggestions as to what the Union Board could do now to assist his office in drawing plans for the expansion.

In his answer, Mr. Schmidt recommended that we base our analysis of the needs of the Union on the assumption that it would serve a student body of approximately 35,000. In addition he suggested that the Union Board could be most helpful in establishing a priority list of what our student body needed most in the Union, letting the limit of funds be the control on how far we could go in accomplishing these maximum needs. He suggested that it would be possible to profit by the mistakes in other Union buildings as well as from a careful examination of the weak points of our own.

It was the expressed consensus that the snack bar area needed immediate attention and Mr. Schmidt said it would be possible to refurbish it and its furnishings in such a way as to coordinate with the over-all expansion in prospect.

The attached memorandum by Miss Kirkwood summarized the ideas and suggestions expressed by Mr. Schmidt and are hereby made a part of the Union Board minutes.

The meeting adjourned at 5:10 p.m.

James G. Allen, Chairman
Tech Union Board

JGA:mm

cc: Dr. Grover E. Murray
Dr. W. M. Pearce
Mr. M. L. Pennington

MEMORANDUM
from

OFFICE OF COORDINATOR
FOR CAMPUS PLANNING COMMITTEE

Texas Technological College
Lubbock, Texas

TO: Mr. M. L. Pennington DATE: December 19, 1966

SUBJECT: Student Union Addition

Howard Schmidt, Berwyn Tisdell and I met with Dean Allen and the Student Union Board on December 16, 1966, at Dean Allen's request.

Apparently Dean Allen wanted some direction for the Board so that they might help get the program underway.

Mr. Schmidt gave them the background to date and outlined the procedure as follows:

1. Based upon the projected enrollment of twice the present student body, outline in narrative form the physical needs and establish a priority list.
2. Visit other student union facilities in order that mistakes made elsewhere will not be repeated at Tech.
3. The Union Board should not concern itself with the budget but should understand that there is a limit to funds available and this limit will be established by the Administration and the Board of Directors.

The above procedure would offer information which would permit the best utilization of the land available.

Mr. Schmidt will supply the Board with a sample program for use in preparing the Union program.

The schedule was discussed and Mr. Schmidt indicated that approximately one year would be needed for planning and construction could be completed by September 1969.

One thing which is a matter of great concern at the present time is the condition of the furniture in the snack bar area as well as the area itself. According to the Union Board, the run down condition of the area is contributing to an atmosphere which is not desirable.

The Union Board would like to have the purchase of new movable furniture and perhaps some renovation considered in the near future if it is possible to coordinate such work with the expansion of the overall facility.

Jerry Kirkwood
Campus Planning
Committee Coordinator

JK:mk

cc: Mr. John G. Taylor
Dean James G. Allen
Dean Florence Phillips
Mr. Nelson Longley
Mr. Howard Schmidt

Campus Planning Committee
January 21, 1967
Attachment No. 699
Item No. 3593

TEXAS TECHNOLOGICAL COLLEGE

Lubbock, Texas

January 13, 1967

Office of
Dean of Student Life

Mr. C. Berwyn Tisdell
Howard Schmidt and Associates Architects
1619 College Avenue
Lubbock, Texas 79401

Dear Mr. Tisdell:

After our conference yesterday morning, I called an emergency meeting of the Tech Union Board to give you the information you need for the preparation of the application to the Department of Housing and Urban Development to be made next week on the Tech Union project for expansion.

We reached the following estimates on the major areas of expansion, now considered in terms of the prospective 35,000 student enrollment at Texas Tech:

- (1) Snack-bar area - seating for 600, estimated 12,000 square feet.
- (2) Auditorium - to seat 1200.
- (3) Cafeteria - to seat 500 with an addition of 3,100 square feet for kitchen.
- (4) Meeting rooms - 13 additional (making 20 in all).
- (5) Faculty area - 6,600 square feet in all.
- (6) Bowling area - 18 lanes.

In answer to your specific questions:

- (1) No ballrooms, per se, are being considered either for phase one or the ultimate goal.
- (2) If we were to include a ballroom, we would want one of approximately two-thirds the size of the present one, decorated somewhat formally in ballroom fashion.
- (3) The thirteen additional meeting rooms, making twenty in all, would be adequate for enough variation in size and seating as may be effected.
- (4) It was a most professional conclusion that we would probably need a 400% increase in administrative office space in the ultimate Union Building.
- (5) These offices would accommodate additional office staff, our expanded Union staff, student staff, Ex-Student Association staff, and Student Senate staff.
- (6) The formal reception room space is estimated at 3,200 square feet.
- (7) We do not think a hobby shop or workshop would be warranted.
- (8) Art pieces are sold occasionally and they are stored in anticipation of and after the showing has been completed for short periods; lock security for them is desirable.

Mr. Berwyn Tisdell

(page 2)

January 13, 1967

(9) The present serving area for the faculty club is too small and assumption is made that serving will be cafeteria-style off the main cafeteria.

(10) No assumption is made on faculty game area, per se.

(11) No new equipment is anticipated, except in the bowling area, with an assumed increase in terms of student interest in the ping pong and billiards area.

(12) No such facility for music listening of tapes is contemplated.

(13) For the ultimate plan, four guest rooms, each with seating rooms.

Appended herewith is the evaluation of the 25 items on the additional facilities for the Tech Union expansion project classified A, B, C, D, in descending preference (except 2, which indicates preference on a 1, 2, 3 basis).

We are pleased to give you this information for the use you have indicated reserving the right for refinements and ultimate decisions later.

Yours very truly,

/s/ James G. Allen

James G. Allen
Dean of Student Life

JGA:mm

NOTE: The above mentioned appended 25 items concerning additional facilities for Tech Union expansion was not readily available.

It shall be included in the minutes as the programming progresses.

Campus Planning Committee
January 21, 1967
Attachment No. 700
Item No. 3593

EX-STUDENTS ASSOCIATION
TEXAS TECHNOLOGICAL COLLEGE
P. O. Box 4009
Lubbock, Texas 79409

January 9, 1967

Mr. M. L. Pennington
Vice President for Business Affairs
Texas Technological College
Campus

Dear Mr. Pennington:

For some time the officers of the Ex-Students Association and I have been studying possible ways to relieve the crowded conditions of the Association's offices in the Student Union.

The crowded conditions have put a real clamp on plans to expand the staff and the services of the Association. The Board is very anxious to employ a Field Secretary immediately, which will necessitate the employment of another secretary.

In addition, Dr. Murray has asked that every effort be made to locate the remainder of the 187,000 former students of Texas Tech. To do this means that additional personnel must be employed for this enormous project. It would only seem natural that these persons would work in connection with our office and files.

The resignation of Phil Orman, Managing Editor of our publications, may mean that the person to replace him may have to work out of our office.

Even the expected removal of the Addressograph Equipment this spring will not give us the needed working space or storage space.

We would like to request the space in the basement immediately under part of our office and the girls restroom next door. The space is situated where that only one wall between it and the rest of the games room would have to be constructed. Also needed would be some steps from our present offices to the new space below.

The size of the area is approximately 32 feet by 38 feet.

I realize that this would be a loss to the Games Area of the Union. However, there is a room on the south side of the Games Area (approximately 32 feet by 40 feet) that is not being used. I believe that this area was reserved for future expansion of the air-conditioning and heating units. However, recent over-all College planning indicates that several large units would handle the entire Campus in the future and that such small units would not be expanded.

Mr. M. L. Pennington
Page 2
January 9, 1967

If this is the case, a good painting, some stairs, and possibly a lower ceiling would make the room as nice as the rest of the Games Area. By doing this, it would enable the Association to expand its offices and at the same time put this unused space into use.

Mr. Pennington, I have discussed this with Howard Schmidt and I would appreciate the opportunity to discuss this and possibly show the areas to you with Howard.

Sincerely,

Wayne James
Executive Director

WJ/sy

cc: Mr. C. H. Cummings
Mr. Howard Schmidt
Miss Jerry Kirkwood

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 328

January 23, 1967

A meeting of the Campus Planning Committee was held at 2 P. M. on January 23, 1967, in the Conference Room of the Central Food Facilities.

Members present were Chairman M. L. Pennington, Mr. E. J. Urbanovsky and Mr. Nolan E. Barrick.

Other College staff members present were Mr. John G. Taylor, Mr. O. R. Downing, Mrs. Shirley S. Bates, Mr. Guy J. Moore, Mrs. Dorothy T. Garner, Mrs. Margaret R. Birkman, Mr. Justin Elliott and Miss Jerry Kirkwood.

Mr. Howard Schmidt, Consulting Architect, was present.

Also in attendance was Mr. Robert Messersmith, representing the architectural firm, Schmidt and Stiles, Roberts and Messersmith.

Mr. Jack W. Evans presented the proposed furnishings and color schemes to be included in the public spaces, snack bar, game room, and all student lounges.

Seating layouts with the proposed color scheme for the dining hall were also presented.

Based upon the approval of flooring materials as selected by Mr. Evans, it was necessary for the Campus Planning Committee to make approvals in order that the contractor might order the flooring materials and remain on the construction schedule.

3595. Wiggins Complex (CPC No. 97-65)
(Schmidt and Stiles, Roberts and Messersmith)

A. In consideration of furnishings, including drapery material and carpets, the Campus Planning Committee recommended the following:

1. Seating including cushions should have fixed cushions.
2. Formica tops for tables should be employed in lieu of oiled walnut.
3. All drapery selections were approved.
4. All carpet selections were approved.

The architects had included in the construction contract, commercial carpet at the periphery of the main lounges. Mr. Evans proposed area carpet and area groupings of furniture for these areas. As the proposal of Mr. Evans has been accepted, a change order for eliminating the carpet from the general contract is expected.

The number of tables shown located in the snack bar was questioned as being too crowded. Mr. Evans explained the appearance of the table and chair layout and assured the Campus Planning Committee that the area would not be crowded and proper clearance has been maintained. The table layout was accepted.

Glass table tops and bases were also questioned as being practicle.

After consideration of various circumstances, Mr. Evans assured the committee that the tables played a definite part in the philosophy of the interior design of the lounge area and sited usage of the same table in other Texas higher education facilities as being successful. The use of the tables was accepted.

3595. Wiggins Complex (Cont'd)

The use of movable planters to be included in the designer's fee was questioned to the point that the inclusion of live plant materials is expensive due to maintenance and replacement. The plant materials are usually furnished and replaced by the Department of Grounds Maintenance and financed by the department involved.

B. In consideration of flooring materials and color selections, the Campus Planning Committee recommended the following:

1. Vinyl flooring and the color selection for the snack bar was accepted.

(Discussion was held for the consideration of other materials, but upon the advice of the architects concerning the original budget and request, the vinyl floor was accepted.)

2. The slate flooring be eliminated and slate be used as base coving only.

The slate flooring material was included in the construction contract and a credit can be expected from the contractor in eliminating the slate included in the flooring.

3. The color selection for the quarry tile of light salmon was accepted, but the black trim shall be eliminated.

4. The presented charcoal color brick pavers were rejected in lieu of a burnt brown brick paver which shall be installed in this one range of color without a noticeable change of color in the range of "brown range" samples presented.

(The brick paver flooring above considered shall not be a mix of the "brown range" samples presented.)

5. The terrazzo and marble materials and the color selection was accepted.

The lack of furniture provided in the common lobby was questioned, however; upon the explanation that the area is an area of mass traffic circulation at some dormitory hours, the furnishings were considered adequate.

In general, all present considered the proposed layouts and selections to be pleasing and acceptable. The above recommended changes reflect, mainly, the consideration for future maintenance problems which are intended to be avoided.

Jerry Kirkwood
Coordinator

The meeting adjourned at 5:10 p.m.

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 329

January 30, 1967

A meeting of the Campus Planning Committee was held at 9 A. M. on January 30, 1967, in Room 120 of the Administration Building.

Members present were Chairman M. L. Pennington and Mr. E. J. Urbanovsky.

Other College staff members present were Mr. John G. Taylor, Miss Evelyn Clewell and Miss Jerry Kirkwood.

Mr. Howard Schmidt, Consulting Architect, was present.

Representing the Architects were Mr. Robert Messersmith, of Stiles, Roberts and Messersmith, and Mr. Hoyse McMurtry, of McMurtry and Craig.

Dr. Earl Green, Director of the Museum, and Mr. Mark Hailey, Chairman of the Building Committee of the West Texas Museum Association, also was present.

The meeting was held as a result of the request from President Grover E. Murray for the Campus Planning Committee to resume the implementation of the construction of the Museum under the original concept.

3596. Museum (CPC No. 65-61) (Associated Architects and Engineers of Lubbock)

It was established that although the architects had been advised on July 7, 1966, to stop work on the project and submit record drawings showing the progress to that date, their contract has remained in effect and they were advised to continue the planning.

The contract with the architects and the Board of Directors adequately covers master planning of the project. A model and other studies concerning the master plan have been developed and approved by the Board of Directors.

The architects had been requested to restudy the exterior design of the Museum proper.

The budget for the project under the original concept, which included the central unit, part of the industrial gallery and the planetarium had been set at \$500,000 to be furnished by Texas Tech as a fair amount to replace the existing Museum which would be converted into a classroom and office facility for the College. Mr. Howard Schmidt has presented a feasibility study to the Board of Directors advising the use of the existing Museum as such a facility, and the recommendation was approved by the Board of Directors. The balance of the original budget was to be provided by the West Texas Museum Association in the estimated amount of \$500,000.

Mr. Bob Messersmith presented the floor plans of the Museum proper developed since work was stopped on July 7, 1966. There has been no change in the scope of the master planned building proper. A few minor rearrangements of spaces have been proposed and accepted by the West Texas Museum Association. The architects feel that the changes have improved the function of the building.

The firm of Witteborg & Williams, Inc. has been instrumental in working with the architects and establishing the exhibit designs for the main gallery. No contract exists with the firm and one shall be requested.

3596. Museum (Cont'd)

A proposal has been received for a budget of \$6,000,000 which includes housing for the central unit, the industrial gallery, the planetarium, and the main gallery. \$3,000,000 is recommended for the structure and \$3,000,000 for the designed exhibits, the exhibits themselves, and the cases for the exhibitions in the main gallery.

The above \$6,000,000 budget does not include architect's fees, movable equipment (excepting exhibit cases), outside exhibits, and site work which covers parking, walks, drives, utilities and landscaping.

Apparently, this budget proposed has not, as yet, been accepted by anyone. The West Texas Museum Association representatives stated, however, that it is expected that such a budget is proposed to be accomplished in phases toward the goal represented in the master plan for the Museum structure proper and ICASALS complex.

Community Service Bureau, Inc., representatives have recommended the incorporation of ICASALS and now recommend the following budget.

\$ 500,000	From Texas Tech
\$ 500,000	Challenge Gift
\$1,000,000	From Fund Raising
<hr/>	
\$2,000,000	Total
<hr/>	

The facilities which would be included are not entirely clear at the moment.

This proposal by Mr. Newberry of Community Service Bureau, Inc., includes solicitations from the various Tech organizations which represent service to the College.

The Campus Planning Committee called to attention that many aspects should be reconsidered in the planning of the project in view of the scope now proposed.

The proposed 70 acre site on the Tech campus, for the Museum, will displace several projects under the supervision of the School of Agriculture. The configuration of Indiana Avenue should be resolved immediately, overriding the approximate 2 year period for the answer to be proposed by the City of Lubbock.

Since the Museum Association is committed to Community Service Bureau, Inc., for \$800.00 per week, and the Bureau has requested information which will be included in a brochure designed for the raising of funds scheduled to avoid conflicts with other fund raising campaigns within the area, the Campus Planning Committee recommended that photographs of the master plan of the Museum model only be included in the brochure.

The architects were requested to work with the West Texas Museum Association and Community Service Bureau, Inc., toward providing the necessary information.

It was also recommended that the West Texas Museum Association define, by priority, the elements they wish to be built including the budget to finance such elements and report back to the Campus Planning Committee.

3596. Museum (Cont'd)

The Campus Planning Committee requested that a complete file, including the fund raising proposals, concerning the Greater Museum Complex from the time the work was curtailed on July 7, 1966, be compiled in order to define the overall project and aid in the development.

Correspondence from Witteborg & Williams, Inc., dated January 26, 1967, is included for information.
(Attachment No. 701, page 3056)

Jerry Kirkwood
Coordinator

The meeting adjourned at 11:30 a.m.

Campus Planning Committee
January 30, 1967
Attachment No. 701
Item No. 3596

Witteborg & Williams, Inc. 114 East 40th Street
New York 16, N. Y.
Tn 7-9380
Cables: Wittwill

26 January, 1967

Mr. Howard Schmidt, Architect
Howard Schmidt & Associates
1619 College Avenue
Lubbock, Texas

Dear Howard:

We have carefully studied the outdoor exhibition space of the 70 acre ICASALS Institute - Museum tract and have come up with some basic space requirements. Some of the areas listed will have to be checked out with a number of Tech academic departments that would be ultimately involved. .

1. ICASALS Institute - Museum	15 acres
2. West Texas Ranch (as determined by the Ranch Committee)	10 acres
3. Farm and house of the future (this area should be checked with the School of Agriculture and the Architecture Depart.)	4 acres
4. Eight Ethnological house types with irrigated fields (each house would average 30 x 40 feet, but a check will have to be made with the School of Agriculture regarding the field sizes)	4 acres
5. Five Ethnological house types (Nomads)	2 acres
6. Windmills	2 acres
7. Building Materials Experimentation (check with School of Engineering and Architecture Department)	2 acres
8. Reserved outdoor temporary exhibit area	4 acres
Total	43 acres

Public parking, access roads and the Extended Education Center would take up the balance of space. We might add, that if space becomes rather tight a few of the above areas could possibly be compressed.

I look forward to seeing you on the 8th of February.

Very sincerely yours,

Lothar P. Witteborg
LPW/jmt

cc: Dr. Grover Murray
Dr. William Pearce
Mr. Marshall Pennington
Dr. Earl Green
Dr. Mack Kennedy
Mr. William Parsley
Mr. Robert Brummel
Mr. Tom Phillips

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

AGENDA FOR THE JOINT MEETING
OF THE CAMPUS AND BUILDING COMMITTEE AND CAMPUS PLANNING COMMITTEE
TO BE HELD AT 3:30 P. M. IN THE DRISKILL HOTEL
AUSTIN, TEXAS
FEBRUARY 6, 1967

3597. Business Administration Building (CPC No. 98-65)
(Page, Southerland, Page)

INTERIOR DESIGNER SERVICES

The architects have the services within their firm and have presented a rough estimated cost of \$170,000 for equipment to furnish the following spaces:

a. Included areas:

1. Basement work room.
2. All areas of Dean's Complex and reading room.
3. Faculty snack bar and women's lounge.
4. Entrance lobby.
5. All areas of Department Head's Complex.
6. All offices and conference rooms on third through the twelfth floor.

b. Included items:

1. All loose furniture
2. Drapery.
3. Carpet.
4. Desk and room accessories.
5. File cabinets listed in the program for above spaces.

IN YOUR
AGENDA ONLY

A total base fee of approximately \$8,400 could be expected for the designer's services based upon the \$170,000 expenditure for the equipment.

\$100,000 would cover equipment for duplicated areas under a reduced fee of $3\frac{1}{2}\%$ based upon the total fee of 7%.

The remaining \$70,000 in equipment would fall under the total fee of 7%.

Consider the recommendation that the ^{above} proposal be accepted and the services approved, and that the Chairman of the Board be authorized to sign the necessary contract documents.

2-6-67
OK
Bldg. Comm

OK

3598. Central Heating and Cooling Plant (CPC No. 105-66)
(Zumwalt & Vinther, Inc., Engineers)
(Pitts, Mebane, Phelps & White, Architects)

A. Accessory Mechanical and Electrical

Bids for the accessory mechanical and electrical equipment were received on January 26, 1967.

The Campus Planning Committee recommends that the following low bids be accepted for the equipment to be furnished:

1. CENTRAL PLANT GRAPHIC PANEL AND INSTRUMENTATION, ORIFICES AND AUTOMATIC CONTROL VALVES.

Johnson Service Company \$ 85,578.00
Milwaukee, Wisconsin

2. WATER TREATING EQUIPMENT.

Anthony Company \$ 290,000.00
Lubbock, Texas

3. COOLING TOWERS.

Ceramic Cooling Tower Co. \$ 180,334.00
Fort Worth, Texas

4. CENTRIFUGAL PUMPS.

Allis-Chalmers Mfg. Co. \$ 87,395.00
Milwaukee, Wisconsin

5. ELECTRICAL SWITCHGEAR.

Fields and Company \$ 87,960.00
Lubbock, Texas

6. DESUPERHEATERS.

George W. Noyes & Assoc. \$ 19,160.00
Houston, Texas

7. AIR COMPRESSORS & AIR DRIERS.

Hatco Engineering, Inc. \$ 32,116.00
Dallas, Texas

8. FEED-WATER HEATER.

Chicago Heater \$ 24,154.00
Hempstead, New York

9. CAST STEEL VALVES.

Vinson Supply Company \$ 59,808.13
Dallas, Texas

TOTAL: \$ 866,505.13

The bid tabulation is attached for information.
(Attachment Item No. 3598)

2-6-67
OK
Pitts
OK
Pitts

B. Mechanical and Electrical Work

It had been the intention of the Campus Planning Committee, the engineers, and architects to assign the successful low bidders for this equipment and the future successful mechanical and electrical contractor to the general contractor for the building construction proper. Thus, the general contractor would be the prime contractor.

Bids for the mechanical and electrical work will be taken approximately 30 days before bids are received for the general construction work. In view of the required performance and payment bonding procedures, the Department of Housing and Urban Development questioned the feasibility of requiring the successful mechanical and electrical contractor to bond himself to an unknown general contractor.

After legal consultation, the Campus Planning Committee recommended that the future successful mechanical and electrical contractor be required to furnish proper performance and payment bonds to the Owner and be established as the prime contractor.

Bidders submitting bids for general construction work will be informed, through the bidding documents, that the successful bidder will be assigned to the mechanical and electrical contractor.

Mechanical and electrical bids will be received on February 21, 1967.

The estimated cost is approximately \$1,200,000 with an additional estimated \$1,000,000 for general construction to be assigned to the mechanical contractor later when a general construction contract is awarded.

Consider the recommendation that the Campus and Building Committee of the Board be authorized to award the contract and that the Chairman of the Board be authorized to sign the necessary documents.

C. General Construction Work

It is indicated that bids for this work should be received by March 30, 1967, if we are to remain on schedule.

The Campus Planning Committee requests that the Board of Directors establish the means whereby the final working drawings can be reviewed and approved by the Board, a contract awarded to the successful low bidder, and the necessary documents executed.

The next regularly scheduled Board Meeting is April 8, 1967.

3599. Funds Available

(Please see Attachment)

authorized the CPC to proceed with the bidding with a recommendation for a contract award to be made to the Bldg. Comm. and if the Bldg. Comm. approves the entire Board is to be passed by phone. If the Board approves, the chairman is

IN YOUR
AGENDA ONLY

*thru CPC to
presented to
Bldg. Comm. -
not, passed
by phone*

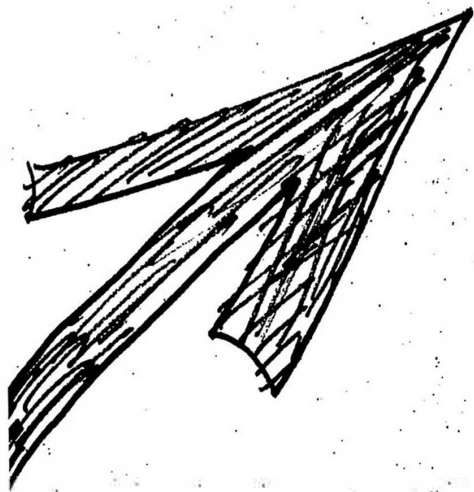
The architects are not ready to make the requested presentation of the restudied project to the Board as the information is not quite available yet. Much work is underway with both the Campus Planning Committee and the West Texas Museum Association.

It is understood that the West Texas Museum Association has reviewed the proposed expanded concept and is preparing a report which will explore the budget.

In order that the Community Service Bureau, Inc., now under contract to the West Texas Museum Association may proceed with developing the brochure to be used in the raising of funds; the Campus Planning Committee recommended that photographs of the master plan of the Museum model be included in the brochure and that the architects work with the West Texas Museum Association and Community Service Bureau, Inc., toward providing the necessary information.

*Board want to put the
central unit, part of Industrial
Gallery & Planetarium back in
five?*

*Must be sure that
Industrial gallery does
not wind-up in the way
an presentation, it runs in
the way -*



BID TABULATION
MECHANICAL AND ELECTRICAL EQUIPMENT FOR A HEATING AND COOLING PLANT

TEXAS TECHNOLOGICAL COLLEGE, LUBBOCK, TEXAS

January 26, 1967

3 p.m.

Zumwalt & Vinther, Inc.
Consulting Engineers

40 Interested Parties Present

BID ITEM NO.	BIDDER'S NAME	BID BOND	BASE ALTERNATE PROPOSAL	BID PRICE	RECOMMENDED AWARD	REMARKS
CENTRAL PLANT GRAPHIC PANEL AND INSTRUMENTATION, ORIFICES AND AUTOMATIC CONTROL VALVES						
1	Bailey Meter Co.	Cert. Check	Base	\$101,774		
1	Box Boro	No	Base	85,253 (See Remarks)		Not in compliance with specifications
1	Johnson Service Co.	Yes	Base	85,578	\$ 85,578	
WATER TREATING EQUIPMENT						
2	Anthony Company	Yes	Base	305,000	305,000	
			Alt. 1	Deduct \$15,000	- 15,000	
			Alt. 2	Add. Alt. Not Allowable	290,000	
			Alt. 3	Add. Alt. Not Allowable		
			Alt. 4	Add. Alt. Not Allowable		
2	McCormick Equipment Co.	Yes	Base	384,846		
			Alt. 1	Deduct \$32,284		
			Alt. 2	Deduct \$57,689		
COOLING TOWERS						
3	Ceramic Cooling Tower Co.	Yes	Base	180,334	180,334	
3	C.H.E., Inc.	No	Base	103,250 (See Remarks)		Not in compliance with specifications

BID TABULATION
MECHANICAL AND ELECTRICAL EQUIPMENT FOR A HEATING AND COOLING PLANT

TEXAS TECHNOLOGICAL COLLEGE, LUBBOCK, TEXAS

January 26, 1967

3 p.m.

Zumwalt & Vinther, Inc.
Consulting Engineers

40 Interested Parties Present

BID ITEM NO.	BIDDER'S NAME	BID BOND	BASE OR ALTERNATE PROPOSAL	BID PRICE	RECOMMENDED AWARD	REMARKS
CENTRIFUGAL PUMPS						
4	Allis-Chalmers Mfg. Co.	Yes	Base	\$87,395.00	\$87,395	
ELECTRICAL SWITCHGEAR						
5	Allis-Chalmers Mfg. Co.	Yes	Base	89,931.00		
5	Fields and Co.	Yes	Base	87,960.00	87,960	
5	General Electric Supply Co.	Yes	Base	93,950.00		
5	Graybar Electric Co.	Yes	Base	94,945.00		
5	Westinghouse Electric Corp.	Yes	Base	96,708.00		
DESUPERHEATERS						
6	George W. Noyes & Assoc.	Yes	Base	19,160.00	19,160	
AIR COMPRESSORS AND AIR DRIERS						
7	Chicago Pneumatic(Telegraphic Bid)	Yes	Base	31,010.00 (See Remarks)		Written bid was not received until 11:12 a.m., Tues., Jan.31,1967. Bid was returned unopened.
7	Hatco Engineering	Yes	Base	32,116.00	32,116	
7	M. B. McKee Co., Inc.	Yes	Base	35,246.80		
7	W. M. Smith Elec. Co.	Yes	Base	38,874.00		
7	Wilson Company	Yes	Base	35,98.00		

January 26, 1967

3 p.m.

Zumwalt & Vinther, Inc.
Consulting Engineers

40 INTERESTED PARTIES PRESENT

BID ITEM NO.	BIDDER'S NAME	BID BOND	BASE OR ALTERNATE PROPOSAL	BID PRICE	RECOMMENDED AWARD	REMARKS
FEEDWATER HEATER						
8	Chicago Heater	Yes	Base	\$24,154.00	\$ 24,154.00	
CAST STEEL VALVES						
9	Vinson Supply Company	Yes	Base	59,808.13	59,808.13	
TOTAL						\$866,505.13

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 330

February 6, 1967

A meeting of the Campus and Building Committee of the Board of Directors and the Campus Planning Committee was held at 3:30 p.m. in the Colonial Room of the Driskill Hotel, Austin, Texas.

Members of the Building Committee present were Mr. Harold Hinn, Chairman, Mr. Herbert Allen and Mr. C. A. Cash.

Other members of the Board of Directors in attendance were Mr. Roy Furr, Chairman, Mr. Alvin R. Allison, Mr. Retha R. Martin, Mr. J. Edd McLaughlin, and Mr. Carl E. Reistle, Jr.

Mr. M. L. Pennington, Chairman of the Campus Planning Committee, was present.

Others present from the College were Dr. Grover E. Murray, Mr. J. Roy Wells, Mrs. Jean K. Baker, and Mr. R. B. Price.

3597. Business Administration Building (CPC No. 98-65)
(Page, Southerland, Page)

Interior Designer Services

The Building Committee approved the following recommendation:

The architects have the services within their firm and have presented an estimated cost of \$170,000 for equipment to furnish the following spaces:

a. Included areas:

1. Basement work room.
2. All areas of dean's complex and reading room.
3. Faculty snack bar and women's lounge.
4. Entrance lobby.
5. All areas of department head's complex.
6. All offices and conference rooms on third through the twelfth floor.

b. Included items:

1. All loose furniture.
2. Drapery.
3. Carpet.
4. Desk and room accessories.
5. File cabinets listed in the program for above spaces.

A total base fee of approximately \$8,400 would be expected for the designer's services based upon the \$170,000 expenditure for the equipment.

Approximately \$100,000 would cover equipment for duplicated areas under a reduced fee of $3\frac{1}{2}$ percent. The remaining \$70,000 in equipment would fall under the total fee of 7 percent.

(The Board of Directors approved.)

3598. Central Heating and Cooling Plant (CPC No. 105-66)
(Zumwalt & Vinther, Inc., Engineers)
(Pitts, Mebane, Phelps & White, Architects)

A. Accessory Mechanical and Electrical Equipment

In keeping with the plans approved by the Board of Directors, the Building Committee approved the purchase of the following equipment which bids were received on January 26, 1967:

1. CENTRAL PLANT GRAPHIC PANEL AND INSTRUMENTATION,
ORIFICES AND AUTOMATIC CONTROL VALVES.

Johnson Service Company	\$ 85,578.00
Milwaukee, Wisconsin	

2. WATER TREATING EQUIPMENT.

Anthony Company	\$ 290,000.00
Lubbock, Texas	

3. COOLING TOWERS.

Ceramic Cooling Tower Co.	\$ 180,334.00
Fort Worth, Texas	

4. CENTRIFUGAL PUMPS.

Allis-Chalmers Mfg. Co.	\$ 87,395.00
Milwaukee, Wisconsin	

5. ELECTRICAL SWITCHGEAR.

Fields and Company	\$ 87,960.00
Lubbock, Texas	

6. DESUPERHEATERS.

George W. Noyes & Assoc.	\$ 19,160.00
Houston, Texas	

7. AIR COMPRESSORS & AIR DRIERS.

Hatco Engineering, Inc.	\$ 32,116.00
Dallas, Texas	

8. FEED-WATER HEATER.

Chicago Heater	\$ 24,154.00
Hempstead, New York	

9. CAST STEEL VALVES.

Vinson Supply Company	\$ 59,808.13
Dallas, Texas	

TOTAL:	\$ 866,505.13
--------	---------------

A copy of the bid tabulation is attached to and made a part of the minutes. (Attachment No. 702, page 3058)

(The Board of Directors approved.)

3598. Central Heating and Cooling Plant (Cont'd)B. Mechanical and Electrical Work

It had been the intention of the Campus Planning Committee, the engineers, and architects to assign the successful low bidders for this equipment and the future successful mechanical and electrical contractor to the general contractor for the building construction proper. Thus, the general contractor would be the prime contractor.

Bids for the mechanical and electrical work will be taken approximately 30 days before bids are received for the general construction work. In view of the required performance and payment bonding procedures, the Department of Housing and Urban Development questioned the feasibility of requiring the successful mechanical and electrical contractor to bond himself to an unknown general contractor.

After legal consultation, the Campus Planning Committee recommended that the future successful mechanical and electrical contractor be required to furnish proper performance and payment bonds to the Owner and be established as the prime contractor.

Bidders submitting bids for general construction work will be informed, through the bidding documents, that the successful bidder will be assigned to the mechanical and electrical contractor.

Mechanical and electrical bids will be received on February 21, 1967.

The Building Committee authorized the Campus Planning Committee to proceed with the plan to take bids, with the recommendation for a contract award to be made to the Building Committee by phone. If the Building Committee approves, the entire Board is to be polled by phone. If the Board approves, the Chairman is authorized to execute the necessary documents.

C. General Construction Work

Bids for this work should be received by March 30, 1967, in order to remain on schedule.

The Building Committee authorized the Campus Planning Committee to proceed with the plan to take bids, with the recommendation for a contract award to be made to the Building Committee by phone. If the Building Committee approves, the entire Board is to be polled by phone. If the Board approves, the Chairman is authorized to execute the necessary documents. The next regularly scheduled Board Meeting is April 8, 1967.

3599. Funds Available

The informational report was presented and is attached to and made a part of the minutes. (Attachment No. 703, page 3059)

3600. Museum (CPC No. 65-61) (Associated Architects and Engineers of Lubbock)

The following report was made to the Building Committee:

The architects are not ready to make the requested presentation of the restudied project to the Board as the information is not quite available yet. Much work is underway with both the Campus Planning Committee and the West Texas Museum Association.

3600. Museum (Cont'd)

It is understood that the West Texas Museum Association has reviewed the proposed expanded concept and is preparing a report which will explore the budget.

In order that the Community Service Bureau, Inc., now under contract to the West Texas Museum Association may proceed with developing the brochure to be used in the raising of funds; the Campus Planning Committee recommended that photographs of the master plan of the Museum model be included in the brochure and that the architects work with the West Texas Museum Association and Community Service Bureau, Inc., toward providing the necessary information.

While no action was requested of the Board of Directors, it was explained that the architects have been authorized to resume the planning for the central unit, part of the Industrial Gallery and the Planetarium.

Mr. Hinn pointed out that the Campus Planning Committee must be sure that the Industrial Gallery does not wind up in the way of additional galleries in the future. It was in the way in one of the presentations.

3601. Temporary Buildings

Mr. Hinn pointed out that there are to be no new buildings next fall and there possibly will be 20,000 students and there is a need for temporary buildings.

Dr. Murray said that unless there is some additional space it may be necessary to curtail the enrollment and added that Mr. Sam G. Wynn of the Department of Health, Education and Welfare, in Dallas, had told him on the plane that he thought there were some buildings available at Reese Air Force Base.

Mr. Hinn said that the needs should be determined along with the estimated cost and that a check be made with the Building Committee for further action to be played by ear.

Mr. Cash said that it would be necessary to review the costs and to be sure that the move of surplus buildings to the campus would be economically feasible. It might be more logical to build new buildings.

Mr. Martin pointed out that there is much space off campus which would be possible to use, although it could be a bit inconvenient.

Dr. Tannery pointed out that it is possible to rent portable buildings. They are prefabricated and can be installed very rapidly.

The Board of Directors approved a motion by Mr. Hinn that a decision be made on what to do and to do it.

M. L. Pennington
Chairman

The meeting adjourned at 4:20 p.m.

Campus Planning Committee
February 6, 1967
Attachment No. 702
Item No. 3598

BID TABULATION
MECHANICAL AND ELECTRICAL EQUIPMENT FOR A HEATING AND COOLING PLANT

TEXAS TECHNOLOGICAL COLLEGE, LUBBOCK, TEXAS

January 26, 1967

3 p.m.

Zumwalt & Vinther, Inc.
Consulting Engineers

40 Interested Parties Present

BID ITEM NO.	BIDDER'S NAME	BID BOND	BASE OR ALTERNATE PROPOSAL	BID PRICE	RECOMMENDED AWARD	REMARKS
CENTRAL PLANT GRAPHIC PANEL AND INSTRUMENTATION, ORIFICES AND AUTOMATIC CONTROL VALVES						
1	Bailey Meter Co.	Cert. Check	Base	\$101,774		
1	Foxboro	No	Base	85,253	(See Remarks)	Not in compliance with specifications
1	Johnson Service Co.	Yes	Base	85,578	\$ 85,578	
WATER TREATING EQUIPMENT						
2	Anthony Company	Yes	Base	305,000	305,000	
			Alt. 1	Deduct \$15,000	- 15,000	
			Alt. 2	Add. Alt. Not Allowable	290,000	
			Alt. 3	Add. Alt. Not Allowable		
			Alt. 4	Add. Alt. Not Allowable		
2	McCormick Equipment Co.	Yes	Base	384,846		
			Alt. 1	Deduct \$32,284		
			Alt. 2	Deduct \$57,689		
COOLING TOWERS						
3	Ceramic Cooling Tower Co.	Yes	Base	180,334	180,334	
3	C.H.E., Inc.	No	Base	103,250	(See Remarks)	Not in compliance with specifications

BID TABULATION
MECHANICAL AND ELECTRICAL EQUIPMENT FOR A HEATING AND COOLING PLANT

Page 2

TEXAS TECHNOLOGICAL COLLEGE, LUBBOCK, TEXAS
January 26, 1967
3 p.m.

Zumwalt & Vinther, Inc.
Consulting Engineers

40 Interested Parties present

BID ITEM NO.	BIDDER'S NAME	BID BOND	BASE ALTERNATE PROPOSAL	BID PRICE	RECOMMENDED AWARD	REMARKS
--------------------	---------------	-------------	-------------------------------	-----------	----------------------	---------

CENTRIFUGAL PUMPS

4	Allis-Chalmers Mfg. Co.	Yes	Base	\$87,395.00	\$87,395	
---	-------------------------	-----	------	-------------	----------	--

ELECTRICAL SWITCHGEAR

5	Allis-Chalmers Mfg. Co.	Yes	Base	89,931.00		
---	-------------------------	-----	------	-----------	--	--

5	Fields and Co.	Yes	Base	87,960.00	87,960	
---	----------------	-----	------	-----------	--------	--

5	General Electric Supply Co.	Yes	Base	93,950.00		
---	-----------------------------	-----	------	-----------	--	--

5	Graybar Electric Co.	Yes	Base	94,945.00		
---	----------------------	-----	------	-----------	--	--

5	Westinghouse Electric Corp.	Yes	Base	96,708.00		
---	-----------------------------	-----	------	-----------	--	--

DESUPERHEATERS

6	George W. Noyes & Assoc.	Yes	Base	19,160.00	19,160	
---	--------------------------	-----	------	-----------	--------	--

AIR COMPRESSORS AND AIR DRIERS

7	Chicago Pneumatic (Telegraphic Bid)	Yes	Base	31,010.00 (See Remarks)		Written bid was not received until 11:12 a.m. Tues., Jan. 31, 1967. Bid was returned unopened
---	-------------------------------------	-----	------	-------------------------	--	---

7	Hatco Engineering	Yes	Base	32,116.00	32,116	
---	-------------------	-----	------	-----------	--------	--

7	M. B. McKee Co., Inc.	Yes	Base	35,246.80		
---	-----------------------	-----	------	-----------	--	--

7	W. M. Smith Elec. Co.	Yes	Base	38,874.00		
---	-----------------------	-----	------	-----------	--	--

7	Wilson Company	Yes	Base	35,893.00		
---	----------------	-----	------	-----------	--	--

BID TABULATION

January 26, 1967

3 p.m.

Zumwalt & Vinther, Inc.
Consulting Engineers

40 INTERESTED PARTIES PRESENT

BID

ITEM

NO.

BIDDER'S NAME

BID

BOND

BASE OR

ALTERNATE

PROPOSAL

BID PRICE

RECOMMENDED

AWARD

REMARKS

FEEDWATER HEATER

8 Chicago Heater

Yes

Base

\$24,154.00

\$ 24,154.00

CAST STEEL VALVES

9 Vinson Supply Company

Yes

Base

59,808.13

59,808.13

TOTAL:

\$866,505.13

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

Present and Proposed Building Program
(Does Not Include Auxiliary Enterprise Projects)

February 3, 1967

3059
Campus Planning Committee
February 6, 1967
Attachment No. 703
Item No. 3599

Estimated Total Funds Available

1958-66 Constitutional Tax Funds	\$ 1,500,000
1966-68 Constitutional Tax Funds	10,730,000
Interest on Investment of Tax Funds	383,000
Possible Proceeds from Skiles Act Bonds	2,510,000
Possible Proceeds from Building Use Fee Bonds	2,510,000
Possible Proceeds from Power Plant Revenue Bonds	3,120,000
Approved Facilities Act Funds	5,140,512
Possible Additional Facilities Act Funds	<u>1,018,495</u>

Estimated Total Funds Available

\$26,912,007

Building Projects

		<u>Project Total</u>	<u>Accumulative Total</u>
Previously Completed or Near Completion		\$ 449,668	\$ 449,668
Foreign Language-Mathematics		1,391,397	1,841,065
Power Plant and Utility Extensions	\$4,935,332		
Less:			
Amount in other projects	944,455		
Amount to be charged to Wiggins Complex	<u>277,018</u>		
Business Administration		3,713,859	5,554,924
Museum		4,565,066	10,119,990
Law School		500,000	10,619,990
Biology		3,055,485	13,675,475
Chemistry		4,669,615	18,345,090
Home Economics		4,327,707	22,672,797
Architecture		3,174,882	25,847,679
		<u>4,414,653</u>	30,262,332
		<u>\$30,262,332</u>	

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 331 February 13, 1967

A meeting of the Campus Planning Committee was held at 2:00 P.M. on February 13, 1967, in Room 120 of the Administration Building.

Members present were Chairman M. L. Pennington and Mr. E. J. Urbanovsky.

Other College staff members present were Miss Evelyn Clewell, Mr. O. R. Downing, and Miss Jerry Kirkwood.

Mr. Howard Schmidt, Consulting Architect, was present.

3602. Temporary Buildings (Additional to the 19 secured in the Fall of 1966)
(CPC No. 113-67)

It has been reported that three (3) barrack-type buildings are available at Holloman Air Force Base. The sizes are 20' wide by 100' long.

The feasibility of moving the buildings through the mountainous areas and/or around the longer route was discussed. Also, Miss Evelyn Clewell was questioned as to the feasibility of the sizes.

It was felt that it would not be practical to secure these buildings due to the difficulty of the moving. Also, the width of the buildings is not a dimension conducive to good classroom planning.

Mr. O. R. Downing reported that of the many requests he has made to several suppliers, the Industrial Laminates, Inc., of Austin, Texas, has available a 24' wide by 72' long prefabricated building which has aluminum siding, vinyl asbestos flooring and mahogany paneling. The quoted price for these units F.O.B. Lubbock is \$11,250.00 without air conditioning.

Mr. Downing's Department of Building Maintenance has estimated that a 30' wide by 80' long building comparable to those finished during the summer of 1966, with the exception that asbestos siding would be used, could be built in place by the Department of Building Maintenance for a cost of \$11,912.00 each. The estimated cost is \$4.96 per square foot.

Mr. Howard Schmidt had checked with the Lubbock Public School System and found that they had purchased prefabricated units in the past as follows:

1. A one-classroom unit, 24' wide by 32' long for a cost of \$4,500.00.
2. A two-classroom unit, 24' wide by 80' long for a cost of \$11,000.00.

The cost for moving such units approximately six years ago was \$200.00 each. The estimated cost per square foot of these units is \$6.00.

Since several requests remain to be received regarding the availability and cost of prefabricated units, it was felt that a reasonable evaluation of the information could not wisely be made.

3602. Temporary Buildings (Cont'd)

The Campus Planning Committee recommended that the definition of contact class hours be provided, based upon a longer class hour day, and that the expenditures regarding the various possibilities be given serious study.

It was also recommended that Dr. William M. Pearce be asked to meet with the Campus Planning Committee as soon as possible so that the number of buildings needed for the academic and the research programs might be determined and a reasonable approach to feasible planning for the required space be established. Comparable costs are most difficult to determine until the overall need is known.

Jerry Kirkwood
Coordinator

The meeting adjourned at 3:25 p.m.

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 332 February 22, 1967

A meeting of the Campus Planning Committee was held at 1:30 P. M. on February 22, 1967, in Room 120 of the Administration Building.

Members present were Chairman M. L. Pennington, Mr. E. J. Urbanovsky and Mr. Nolan E. Barrick.

Other College staff members present were Dr. W. M. Pearce, Mr. O. R. Downing, Miss Evelyn Clewell and Miss Jerry Kirkwood.

Mr. Howard Schmidt, Consulting Architect, was also present.

Dr. W. M. Pearce was present during the discussion of the Temporary Buildings, 1967, Item 3620, which was taken first on the agenda.

3603. Agricultural Facilities

1. Campus Expansion

Dr. Gerald W. Thomas has requested that a policy be established for financing the expenses incurred in moving field laboratories, teaching and research studies to new land.

(Attachment No. 703, page 3069)

The Campus Planning Committee will study the possibilities and scope and prepare a recommendation.

2. Texas Tech Rodeo Association

The recommendation of Dr. Gerald W. Thomas that the Rodeo Association be allowed to extend the originally assigned area 75 feet to the north and 100 feet to the west was approved.

3604. Biology Building (CPC No. 99-65) (Pierce & Pierce)

It was recommended that the architects be requested to contact various seating manufacturers and arrange for mock-up seating to be provided for review of the Campus Planning Committee and the Biology Faculty Building Committee.

Progress prints were received on February 18, 1967, and are being reviewed by the Campus Planning Committee, the Consulting Architect, Miss Evelyn Clewell and the Biology Faculty Building Committee.

3605. Business Administration Building (CPC No. 98-65)
(Page, Southerland, Page)

It was recommended that one sump pump in the basement, for handling the foundation drainage exclusively, be deleted by a change order if a favorable credit is received.

It was also recommended that the architects be made aware that the College is hopeful of occupying the entire building, or at least the academic spaces, at the beginning of the fall semester of 1968, although the completion date is September 24, 1968.

The delay in getting concurrence of the executed contract documents from the Department of ~~Housing~~ and Urban Development has set the completion date later than the anticipated date by approximately three weeks.

3605. Business Administration Building (Cont'd)

The Campus Planning Committee recommended that the ceremonies involving an official cornerstone laying and roof-tree raising be initiated for this project and that future projects be recognized accordingly, if feasible, with the official groundbreaking ceremony starting the processes of construction of new facilities.

3606. Central Heating and Cooling Plant (CPC No. 105-66)
(Zumwalt & Vinther, Inc., Engineers)
(Pitts, Mebane, Phelps and White, Architects)1. General Construction Work

The Campus Planning Committee recommended that bids be received on March 21, 1967, and that procedures for awarding the contract follow the instructions of the Board of Directors recorded in the minutes, Meeting No. 330, February 6, 1967.

2. Mechanical and Electrical Work

Bids were received on February 21, 1967. The bid tabulation is attached for information. (Attachment No. 704, page 3070)

The Anthony Company was the low bidder and the low base bid was \$2,371,505.13, including the equipment added at the February 6, 1967, Board Meeting, in the amount of \$866,505.13.

As the project is now well over the original cost estimate and after considering the entire project and various steps which have been taken to maintain the critical time schedule for providing steam to Phase I of the Wiggins Complex in October, 1967, the Campus Planning Committee members agreed to recommend to the Building Committee of the Board that serious efforts be made to develop change orders to lower the cost, before considering a re-bid.

Also, the Campus Planning Committee recommended that the engineers be requested to furnish to the Campus Planning Committee a breakdown of cost explaining the overage in the bid as compared to the previously estimated cost.

(The Building Committee approved the change order route. The study indicated that twenty change orders with a total credit of \$200,000 were possible, and the Building Committee approved and authorized the poll of the Board in keeping with the decision at the Austin meeting.)

(The Board members were polled by phone and approved the contract award with the change orders.)

3. Soil Storage

A large amount of subsoil has been stored on the campus.

Reference is made to a letter concerning such storage as submitted by Dr. James W. Kitchen, Superintendent of Grounds Maintenance. (Attachment No. 705, page 3071)

Mr. E. J. Urbanovsky was asked to transmit to Mr. Howard Schmidt the information concerning the establishment of an area to store subsoil and/or topsoil for this project.

4. Topographical Survey and Benchmarks

Mr. Howard Schmidt is investigating the procedures for having the United States Coast and Geodetic Survey benchmarks established west of Flint Avenue and within the area bounded by the Central Heating and Cooling Plant, the Wiggins Complex, and Indiana Avenue.

3607. Engineering Facilities1. Architecture and Allied Arts Facility (CPC No. 106-66)
(O'Neil Ford, Architect)

- A. As proposed by O'Neil Ford, Architect, the firm of D. W. Torry and Associates was approved as the engineers for the project.

There will be no additional fee as the engineering firm will be retained as a consultant under an agreement between the firm and the architects.

B. Schedule for Recommending the Site is Requested

The Campus Planning Committee will arrange a meeting to study the site as soon as possible, in order to be prepared to discuss the site with the architects.

2. Hydraulics Laboratory for the Civil Engineering Department
(CPC No. 107-66)

A copy of the program as prepared by Dr. K. R. Marmion, Dr. M. E. Davenport, Dr. A. J. Gully and Mr. Philip Johnson, and addressed to Dr. W. M. Pearce, was received on February 21, 1967.

3608. Financing

Approval of three proposed bills by the Legislature is necessary in order, hopefully, to be able to finance the current building program. The three are the Skiles Act Amendment, Building Use Fee Amendment (2909C), and the Utility Plant bill. All are almost ready for introduction.

Pan-American College has asked to join Texas Tech in the Utility Plant bill. The Presidents voted on February 19, 1967 to proceed with the Building Use Fee with the prohibition against the use of funds for classrooms. (Later, a telephone poll reversed the decision and the bill will be introduced to allow the funds to be used for classrooms.) The Skiles Act Amendment has been approved by the Presidents of all 4-year institutions.

3609. Foreign Languages-Mathematics Building (CPC No. 79-63)
(Pitts, Mebane, Phelps and White, Architects)

A request had been received from Dr. P. L. Odell, Head of the Department of Mathematics, for completely enclosed carrell type facilities to be provided for teaching assistants in the department.

The Campus Planning Committee recommended that such facilities providing enclosed areas for one person, only, not be approved and that the recommendation be considered as a campus policy.

Mr. Urbanovsky left the meeting to attend another scheduled meeting.

3610. Housing on CampusThompson, Gaston, Wells and Carpenter Halls - Repainting, Summer, 1967

The following recommendations were approved:

1. Provide drop-in grid system ceiling at the TV Lounge in the basement.
2. Paint the unfinished corridor to the laundry room and storage areas.

3610. Housing on Campus (Cont'd)

3. Mr. Downing and his staff will take care of necessary work in all toilet rooms and the kitchen and dining hall. His staff will also replace tackboards where necessary and the painting contractor will be responsible for the painting. Desk tops in need of repair or replacement will also be handled by Mr. Downing and his staff.

In addition, the following procedures were recommended in order that the work may be implemented:

1. Preparation of the estimated cost - Department of Building Maintenance.
2. Preparation of specifications and assistance in receiving bids - Campus Planning Committee Coordinator.
3. Mr. Howard Schmidt and Mr. O. R. Downing will work toward recommending the retainage of a qualified person to coordinate and inspect the work required for this project during the summer of 1967.

It was recommended, also, that Doak Hall not be included in the work for the summer of 1967, and that the work be considered for the summer of 1968.

A subcommittee composed of Mr. Pennington and Mr. Downing was selected to work on the procedures for establishing a schedule whereby the repair work for housing can be accomplished which would be based upon the entire dormitory system.

The inspection, reported by the subcommittee of the Campus Planning Committee indicated that stronger supervision might prevent some of the apparent vandalism which has resulted in the need for some of the repair required.

3611. Incendiary Bomb Casings

Members of the Campus Planning Committee and those who regularly meet with the Committee have looked at the incendiary bomb which has been on display and no feasible use could be determined. A report is to be made to the Department of Health, Education, and Welfare.

3612. Law School (CPC No. 108-66) (Harrel & Hamilton, Architects)

It was recommended that the site be studied by the Campus Planning Committee at a special meeting when the Architecture and Allied Arts Facility site will also be considered.

3613. Library - (Completion of South Basement and Third Floor) (CPC No. 101-65)
(Ed Lampe, Contractor)
(Pitts, Mebane, Phelps and White, Architects)

The completion date is recorded as of October 30, 1966.

The year-end inspection should be timed accordingly.

3614. Museum (CPC No. 65-61) (Associated Architects and Engineers of Lubbock)Site

The topographic survey has been made by Sprawles and Wilson Surveying Company and established that the area contains approximately 76 acres.

The survey has been distributed and is being used in various facets of the project.

It was recommended that all information regarding the project be included in the Campus Planning Committee minutes, as requested by Mr. Howard Schmidt, Coordinator of the project.

3615. Procedures (CPC No. 109-67)1. Change Orders for Projects Under Construction

The Campus Planning Committee recommended that procedures for processing change orders be included in the Procedures Manual.

2. Contract Preparation

It was also recommended that methods for preparing contract forms in advance of the award be studied in order that such contracts will be available for signatures as soon as a contract is awarded. The methods shall be carried in the Procedures Manual also.

Projects shall be studied and the nature of the projects shall indicate if interior designer's services should be considered prior to awarding a contract for architectural services.

The same provisions shall apply to retaining a clerk-of-the-works.

3. Prints of Drawings and Specifications Required of Project Architects and/or Engineers

The number and schedule for review shall be included in the Procedures Manual.

3616. Social Sciences Building

Concern has been expressed over the number and locations of fire exits from the second floor.

Mr. O. R. Downing will investigate the conditions and report to the Campus Planning Committee.

3617. Stadium Light Standards (CPC No. 110-67)

Mr. Nolan E. Barrick has accepted the responsibility of coordinator for the procedures involved in getting the standards reset.

3618. Student Health Service Addition (CPC No. 111-67)

It was recommended that Mr. Howard Schmidt, Consulting Architect, begin a feasibility study for providing additional space and that the study be presented to the Board of Directors at their meeting on April 7 and 8, 1967.

Dr. Fred Kallina's request is attached for information.

(Attachment No. 706, page 3072)

3619. Student Union Building Addition (CPC No. 112-67)

Attached is a letter from the Consulting Architects, dated January 12, 1967, to Dean James G. Allen requesting necessary information for the programming of the facility.

(Attachment No. 707, page 3073)

Mr. Howard Schmidt requested that the Campus Planning Committee review the recommendations presented by the Student Union Board prior to proceeding with the programming. Mr. Schmidt also requested that his initial work be considered as schematic investigations of numerous approaches to be handled on a cost-plus type arrangement until the scope of the project has been defined.

The Campus Planning Committee agreed to the above requests.

Mr. Schmidt's letter of February 22, 1967, and the List of Desired Facilities in Student Union are attached for information.

(Attachment No. 708, page 3074)

3619. Student Union Building Addition (Cont'd)

It was recommended that all information concerning the Student Union Building Addition be included in the Campus Planning Committee minutes.

3620. Temporary Buildings - 1967 (CPC No. 113-67)

Dr. William M. Pearce was present for the discussion of requests for temporary buildings in order that the justification for the requests for additional space and the provisions for same could be established.

Dr. Pearce stated that in view of the expanding programs, increase in the number of faculty positions and student enrollment, a longer class day would not alleviate our space problem without the aid of additional facilities.

Faculty office space will be extremely critical. Dr. Pearce reported that without additional office spaces, there will be a need to double and triple faculty in one office even after the completion of the Foreign Languages-Mathematics Building.

It was recommended that the Department of Building Maintenance and Utilities build the temporary buildings in-place as a 30 foot wide by 80 foot long facility can be provided for an estimated \$4.96 per square foot. This would include extension of utilities, heating and cooling. Asbestos siding would be used on the exterior as a preventive maintenance measure.

The requests for temporary facilities received by Miss Evelyn Clewell, Coordinator of Space, are attached for information.

(Attachment No. 709, page 3075)

Based upon the information furnished by Miss Clewell, Dr. Pearce approved the following temporary buildings and recommended that the remaining requests be given additional study with few exceptions which will be listed later.

1. One 30' x 80' building to be used jointly by the Departments of Physics and Geosciences.
2. One 30' x 80' building for the Department of Allied Arts.
3. One 30' x 80' building for the Department of Speech.
4. Two buildings for general classroom use to replace space to be used by the Law School in 1968-69.
5. One 30' x 80' building for Chemistry Laboratories.
6. Two 30' x 80' buildings for offices for the Department of English.
7. One 30' x 80' building for the Department of Biology.
8. One 30' x 80' building for the Department of Music.
9. One 30' x 80' building for the Department of Health, Physical Education and Recreation for women.

It was felt that the request submitted by the Environmental Health Director, for additional office space in a temporary facility, and the Military Science Department for an underground rifle range could not be considered at this time.

Additional time and study will be required to prepare functional floor plans reflecting the specific uses of the buildings and the sites.

3620. Temporary Buildings (Cont'd)

A meeting to establish various responsibilities for implementing the project will be held as soon as possible.

The Campus Planning Committee recognized that a shortage of space exists, but asked that the building of temporary facilities be tempered as much as possible, considering the space to be provided by the Foreign Languages-Mathematics Building in 1967, the Business Administration Building in 1968, and the resulting clutter on the campus and the funds involved.

Mr. E. J. Urbanovsky returned to the meeting.

3621. Wiggins Complex (CPC No. 97-65)
(Schmidt and Stiles, Roberts and Messersmith)1. Brick Pavers for Lounge Areas

The sample paver for the lounge areas, submitted by the architects, was approved and the architects were requested to maintain control of this particular selection in the "brown range".

2. Elevators

A letter to the architects from H. A. Lott, Inc., concerning the strike of the International Union of Elevator Constructors, is included for information: (Attachment No. 710, page 3076)

3. Sundeck

The sundeck was deleted from the project by way of an unaccepted alternate and the architects have proposed a substitute detail for providing a sundeck, as requested by the Board of Directors.

The cost for the original alternate was \$18,000.00. The cost of the alternate proposal is \$10,176.00.

The sundeck proposal, as submitted by the architects, and the proposed cost was accepted by the Campus Planning Committee and a change order requested in the additive amount of \$10,176.00

Additional Business

The City of Lubbock has asked the College for a cut-out lane at the Northwest corner of the 15th and College intersection. The cutout would be to standard detail and would allow a lane for 4 or 5 cars to make it easier for entry to the Campus from the north at 15th Street. The cut-out lane would be on campus property.

The Campus Planning Committee recommended that the City be allowed to utilize College property for helping the traffic flow and also recommended that Mr. Urbanovsky design a cut-out lane for the southwest corner of 15th Street on College property at the same intersection.

Jerry Kirkwood
Coordinator

The meeting adjourned at 6:30 p.m.

Campus Planning Committee
February 22, 1967
Attachment No. 703
Item No. 3603

TEXAS TECHNOLOGICAL COLLEGE

School of Agriculture

Lubbock, Texas

February 6, 1967

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

Dear Marshall:

I am enclosing letters from Dr. A. W. Young, Dr. Dale Zinn, and Dr. W. L. Ulich which have a bearing on the overall cost of campus expansion. As I have stated frequently, the expenses incurred in moving our field laboratories, teaching, and research studies to new land should be a justifiable charge against the new buildings.

Since my tenure at Texas Tech the college has not had a firm policy to cover the cost of relocating our field work or breaking out new land for this purpose. Our departments have been forced to sacrifice much-needed departmental operations budgets to cover this cost. This means that we are compromising our needs for laboratory equipment and supplies and are reducing the effectiveness of our teaching.

As you know, the land now being transferred to the campus is the best land that we have for agricultural purposes. Through many years of effort we have levelled, fertilized, established irrigation systems, and otherwise prepared this land for teaching and research purposes.

I am sure you realize that our Department Heads have been very cooperative and patient in working with the C.P.C. We will continue to do all that we can in the best interest of overall college programs.

Sincerely yours,

/s/ Gerald W. Thomas

Gerald W. Thomas
Dean of Agriculture

GWT:cr

cc: Jerry Kirkwood
Dr. Ulich
Dr. Young
Dr. Zinn
Dr. Kennedy

TEXAS TECHNOLOGICAL COLLEGE
School of Agriculture

P. O. Box 4169
Lubbock, Texas 79409

January 27, 1967

Department of Agronomy
and Range Management

Dean Gerald W. Thomas
School of Agriculture
Campus

Dear Dean Thomas:

In keeping with your request of January 25th the following estimate of expenses which will be involved in preparing the land area and moving the grass and legume nursery from its present area to the proposed area south of the present Agronomy Farm Headquarters has been estimated.

On an acre basis the estimated cost will be approximately \$400.00 per acre. This amount will include the following items:

1. Root plowing and clearing the mesquite and other brush from the area.	\$ 450.00
2. Levelling the new area and preparing it for irrigation.	200.00
3. Installation of approximately 1,000 feet of 6 inch high pressure water line for irrigation purposes (with risers and valves).	2,000.00
4. Purchase of seed and vegetatively propagated plants, preparing seed beds and planting.	400.00
5. Materials and labor for putting up a 4-wire fence around the area.	400.00
6. Moving and relocating the storage building from present nursery area.	<u>100.00</u>
	\$3,550.00

If a further breakdown on the above items is needed, we will be glad to submit same on request.

Sincerely,

A. W. Young, Head
Department of Agronomy

AWY:vl

C O P Y
 TEXAS TECHNOLOGICAL COLLEGE
 School of Agriculture
 Lubbock, Texas

Department of Animal Husbandry

August 8, 1966

Dr. Gerald Thomas
 Dean of Agriculture
 Campus

Dear Dr. Thomas:

The expansion of academic facilities to the animal husbandry farm area bordered by Flint Avenue, 19th, and Hartford Avenue has removed approximately 40 acres of our most productive land from departmental use. In addition, we will lose two residences for farm personnel and the sheep facilities. The loss of this land is most critical to our overall departmental teaching and research program. This area had the most desirable and adequate irrigation system of the entire farm. Water from four irrigation wells is tied into a 7000 foot underground concrete irrigation pipe system to supply this area. To maintain and improve the departmental program, appropriate action must be taken to insure that land of equal crop producing capacity is prepared for farming north of the freeway.

As you know, the water system north of the freeway is inadequate for our irrigation needs at the present time. We have lost considerable quantities of water during the winter months from the sewage effluent because of a lack of storage capacity. Also, the water available from sewage affluent can be used only on a small area of the farm land. I would like to recommend that the following course of action be considered by the Campus Planning Committee as indirect cost of replacement of land area now being utilized for the construction of the new dormitories.

1. Tap existing underground irrigation line south of freeway at freeway underpass.

Install booster pump and extend underground irrigation line north at underpass to field 4, a distance of approximately 3000 feet.

Estimated total cost of 14 inch concrete underground irrigation pipe, booster pump, and risers. \$5,200.00

2. Construct a second storage tank for sewage affluent.

Install 14 inch underground irrigation pipe from storage tank south across 4th Street. From junction south of 4th Street run underground pipe east to the western edge of field 4. From junction south of 4th Street run irrigation pipe south to field west of proposed sheep facility, then east to proposed sheep and swine pasture. Estimated cost of storage tank construction, 6400 feet of 14 inch concrete underground irrigation pipe with risers.

\$10,000.00

3. Leveling of approximately 80 acres of land south and west of the proposed sheep and swine facilities. Estimated cost

1,600.00

Total estimated cost of entire proposed project

\$16,800.00

Dr. Gerald Thomas
Page 2
August 8, 1966

Some additional expenses will be incurred by the animal husbandry department in bringing the fertility of this area up to the maximum production level, and in fencing and preparing the area for use.

In addition to the land area involved, action should be considered to replace the two farm dwelling structures and the sheep facility at the earliest possible date.

I appreciate being kept informed of campus expansion plans as they affect our departmental operations.

Sincerely yours,

Dale W. Zinn,
Acting Head

DWZ:ip

TEXAS TECHNOLOGICAL COLLEGE
 Department of Agricultural Engineering
 Lubbock, Texas 79409
 PO 2-8811, Exts. 4277 & 4278
 January 19, 1967

School of Agriculture

School of Engineering

Dr. Gerald W. Thomas, Dean
 School of Agriculture
 Campus

Re: Research Farm Move

Dear Dr. Thomas:

This letter is in reference to the extension of underground utilities and Indiana Street through the College Research Farm. As per several meetings going over plans and presenting the work anticipated, our plots will be rendered completely useless as future research plots. It appears the only alternative will be to move our plots, building, and other facilities to a new location. It is with regret that this move is being made, as we have invested considerable sweat and funds in the present facilities.

In addition to much after-hours, voluntary labor, expenditures for leveling plots, building, wiring, water and electrical taps, installation of evaporation tanks, and etc., it is estimated that a conservative cost of moving and re-establishing facilities would be as follows:

1. Water and electrical power connects, depending upon location	\$ 250.00
2. Re-locating building, including concrete floor	3,250.00
3. Leveling, irrigation pipe, and fertilization of 12 acres of research plots @ \$600	7,200.00
	<hr/>
Total Cost	\$10,700.00

The above is conservative and based upon a nearby irrigation water supply. It is hoped that if the move is made that necessary funds will be available; otherwise, it will be necessary for us to cancel most of our present research contracts. We have no funds that can be used to make the move, even if we are given a comparable research area at another location on the farm.

Very sincerely,

/s/ Willie L. Ulich

Willie L. Ulich, Head
 Dept. of Agricultural Engineering

WLU:rp

Campus Planning Committee
February 22, 1967
Attachment No. 704
Item No. 3606

BID TABULATION

FOR

MECHANICAL AND ELECTRICAL WORK FOR A HEATING AND COOLING PLANT

FOR

TEXAS TECHNOLOGICAL COLLEGE, LUBBOCK, TEXAS

Project: Tex. 2-1648, 2-2202, 2-2301

3 p.m., February 21, 1967

30 Interested Parties Attended

Zumwalt & Vinther, Inc.
Consulting Engineers

BIDDER'S NAME	BID BOND	ADDENDA ACKNOWLEDGED	BASE PROPOSAL	NINE EQUIPMENT ITEMS ASSIGNED	GENERAL CONSTRUCTION SUPERVISION	TOTAL	
Anthony Company	X	X	\$1,445,000	\$866,505.13	\$60,000	\$2,371,505.13	
Roche Newton and Co.	X	X	1,546,459	866,505.13	30,000	2,442,964.13	

Campus Planning Committee
February 22, 1967
Attachment No. 705
Item No. 3606

TEXAS TECHNOLOGICAL COLLEGE

Lubbock, Texas 79409

Department of
Care and Maintenance of Grounds

February 7, 1967

Miss Jerry Kirkwood
Campus Planning Committee Coordinator
116 Administration
Campus

Dear Miss Kirkwood:

Caliche from two projects on the campus is being accumulated at a very rapid rate. These two projects are the Tunnels and Utilities Extensions Project and the construction of the Business Administration Building.

As of this date, there are two storage areas for caliche. One is on the North side of the Underpass and the other on the South side of the Underpass. The storage on the North side is approximately 260 ft. long by 260 ft. wide and contains approximately 31,500 cu. yds. of caliche. The South side storage is approximately 200 ft. by 130 ft. by 250 ft. and contains approximately 3,600 cu. yds. of caliche.

The primary reason for storage of this caliche on the campus is for use as a sub-grade material for future parking lot expansion. If parking lots are built in the future as they have been in the past, this caliche could be used as a sub-grade to a depth of 6 in., depending upon the location of the parking lots. In some cases, a greater depth would be required. At an average depth of 6 in., the existing storage area of material would cover an area of 14.5 acres (parking space for approximately 3,000 cars). Some of this caliche which is being stored could possibly be used for Phase II of the Wiggins Complex.

The current phase of the Tunnels and Utilities Extensions Project has been excavated 95 percent. As of this date, the excavation for the Business Administration Building is 60 percent complete.

Consideration should be given to future projects on the Tech Campus in which quantities of caliche will be excavated. Should further stockpiling of caliche be desired, an appropriate storage area should be determined. Should the quantity of caliche presently stockpiled be sufficient for future needs, it may be to the advantage of the College to require contractors to remove excavated caliche from the Tech Campus.

Sincerely yours,

/s/ James W. Kitchen
D. B.

James W. Kitchen
Superintendent

JWK:dab

Campus Planning Committee
February 22, 1967
Attachment No. 706
Item No. 3618

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

Student Health Service

February 3, 1967

Mr. M. L. Pennington
Vice President for Business Affairs
Texas Technological College
Tech Campus

Dear Mr. Pennington:

On January 9, 1967 I spent approximately two and one-half ($2\frac{1}{2}$) hours with Miss Jerry Kirkwood, Campus Planning Committee Coordinator, reviewing our present physical plant for the Student Health Center.

On January 12, 1967 I received from Miss Kirkwood a projected dormitory tabulation for students housing on campus until the Fall of 1969. The total number of students to be housed on campus by the Fall of 1969 is 10,603.

If we continue to assume the responsibility of providing our students with excellent medical services which should include physical and mental illnesses as well as preventative medicine, health counseling and teaching, I think it is imperative that some action needs to be taken to enlarge our present physical plant.

I mentioned in previous correspondence with you that if the 2,000 square feet in the original plans for the Student Health Center were added to the present structure, we would more likely be able to care for the anticipated number of students.

The 2,000 square feet could be divided equally between the first and second floors. The additional 1,000 square feet on the first floor, extending North, would involve modifying the present x-ray room into a reception room for the students waiting to see the doctors; converting the present darkroom into a restroom; and dividing the additional square footage into doctor's offices and treatment rooms.

The additional 1,000 square feet on the second floor, extending North, could be made into two (2) more multiple bed wards and two (2) more bathrooms to accomodate patients using these wards.

Mr. Pennington, I think the sooner we can firm up our plans for future expansion of the Student Health Center, the better we will be prepared to care for our students.

Sincerely,

/s/ Fred

Fred P. Kallina, M. D.
Director, Student Health Center

FPK:sf

HOWARD SCHMIDT
AND ASSOCIATES ARCHITECTS

Consulting Architects
Texas Technological College

Campus Planning Committee
February 22, 1967
Attachment No. 707
Item No. 3619

January 12, 1967

Dean Allen
Dean of Student Life
Texas Technological College
Lubbock, Texas

Re: Expansion of Student Union Building
Texas Technological College

Dear Dean Allen:

In the process of programming the expansion of the Student Union, several questions have been raised that we feel should be answered by the Union Board. Several of these questions pertain to the immediate addition and some relate to requirements of the ultimate needs of the Union. Please understand that it is necessary for us to develop an ultimate plan before we can intelligently plan for any additions.

While we are not pressing the board for definite commitments at this time, we do need to know the general feeling of the board on the priority of the 23 suggested facilities to be included in first addition. This information would be most helpful to us at this time so that we can make a reasonable estimate of costs of the addition to be included in an application to the Department of Housing and Urban Development. This application must be filed next week.

Attached is a list of questions that should be answered by the Union Board.

Sincerely,

HOWARD SCHMIDT AND ASSOCIATES
A R C H I T E C T S

/s/ C. Berwyn Tisdell

C. Berwyn Tisdell, AIA

CBT/sm

1619 College Avenue
Lubbock, Texas 79401
A. C. 806 Porter 3-4691

MEMBERS OF THE AMERICAN
INSTITUTE OF ARCHITECTS

QUESTIONS CONCERNING THE STUDENT UNION BUILDING

1. How many, if any, more ball rooms will be needed in Phase I? And how many will be needed in the ultimate goal?
2. Is the complete ball room used extensive or would possibly one two-thirds the size be a better size?
3. Mr. Longley's proposal to Dean Allen stated that one 150 seat and three or four 30 to 40 seat meeting rooms are needed. If 11 rooms handled 75 meetings with 30,300 attending while 17,768 students are enrolled; with 36,000 in enrollment there is a possibility that there will be 125 meetings with 49,125 attending, thus needing 19 meeting rooms or eight more. Does this sound reasonable?
4. How many offices will be needed by administrative personnel when enrollment reaches 36,000?
5. How many offices could be foreseen for student and ex-student purposes?
6. What size should the formal reception room be?
7. Do you think there would be sufficient number of requests to warrant a hobby shop or working shop?
8. In the art gallery, are the pieces sold? If not, are they stored or returned to appropriate school or students?
9. It seems the faculty club could be operated more efficiently if it were served cafeteria style off the main kitchen. Is this, the present size too small?
10. What manner of equipment is contemplated in the faculty game room? If the games they are satisfied to play are played at regular tables, the club room could serve this purpose. If however, pool tables or ping pong are required, an additional room will be necessary.
11. What new equipment is needed for the student game room expansion?
12. Would you consider push-button listening for the music listening room? It operates by having a control desk with possibly 20 tape decks. The student checks out head phones with his I.D., requests a certain tape on hand and finds a seat at a control panel in the room. There may be as many as thirty or forty such control panels in the room each with a place to study and lay his or her books. The student then plugs the phone jack into the control panel and punches the appropriate button which is playing his selection or any one of the other buttons he chooses.
13. How many guest rooms would be needed in the ultimate plan?

Campus Planning Committee
February 22, 1967
Attachment No. 708
Item No. 3619

HOWARD SCHMIDT
AND ASSOCIATES ARCHITECTS

February 22, 1967

Consulting Architects
Texas Technological College

Mr. M. L. Pennington
Vice President for Business Affairs
Texas Technological College
Lubbock, Texas

Re: Student Union Facilities
Texas Technological College

Dear Mr. Pennington:

Attached please find a list of facilities desired by the Student Union Board for us to use in programming this facility. We are recommending that this list of facilities be carefully reviewed by the Campus Planning Committee prior to our work on programming. We also would recommend that the initial work on our part be simply schematic investigations of numerous approaches handled on a cost-plus type arrangement until we are further down the road. If programming is then desired, the cost-plus work can be simply converted into the fee as written in our contract.

Very truly yours,

HOWARD SCHMIDT AND ASSOCIATES
A R C H I T E C T S

/s/ Howard W. Schmidt

Howard W. Schmidt, A.I.A.

HWS/sm

cc: Dean James G. Allen
Jerry Kirkwood

1619 College Avenue
Lubbock, Texas 79401
A. C. 806 Porter 3-4691

MEMBERS OF THE AMERICAN
INSTITUTE OF ARCHITECTS

LIST OF DESIRED FACILITIES IN STUDENT UNION

1. Enlarge cafeteria (Increase to 500 capacity)
2. Enlarge Snack Bar Area (Increase to 600 capacity)
3. Board of Directors Room (Meeting and Dining)
4. Student Activity Offices
5. Special Guest Rooms
6. Expansion of Ex-Student Offices
7. Very formal reception room - perhaps in conjunction with the Board of Directors room.
8. Office area for program council (individual desks for staff executives and Chairmen)
9. Art Gallery
10. Remodeling in the original part of the Union Building
11. Auditorium to seat 1200
12. Bowling area - 18 lanes
13. Additional meeting rooms (13 additional)
14. Ticket and Information Booth
15. T. V. Lounge
16. Browsing Room
17. Post Office
18. Court Area
19. Music Listening Room
20. Organization storage lockers
21. Dance area in Snack Area
22. Lost and Found area
23. Card Playing Room
24. Study Rooms
25. Small piano room - private
26. More Exhibit Spaces
27. Vending Machine Area
28. Barber and Beauty Shops
29. Expansion of Faculty Area
30. Swimming Pool

Campus Planning Committee
 February 22, 1967
 Attachment No. 709
 Item No. 3620

TEXAS TECHNOLOGICAL COLLEGE
 Office of the Coordinator of Space

March 7, 1967

REQUESTS FOR TEMPORARY BUILDINGS

Temporary buildings requested for Fall 1967 are listed below. Some attempts have been made to evaluate the various requests, needs, and uses. Final evaluation and firm recommendations are not completed at this time but only a few suggestions are made.

1. Physics - Geosciences Departments, 2400 Square Feet.
 This building would contain 1 large lecture room for 200 students. Geosciences uses it 10 cycles and Physics 6 periods. This has been approved by Dr. Pearce. Recommended by CPC.
2. Applied Arts
 1 building with 2 labs and 4 offices. Home Economics is particularly crowded and Applied Arts needs these labs for scheduling fall classes, otherwise no other sections of current classes may be added this Fall. Recommended by the CPC.
3. Speech Department
 1 building with a classroom and 1 seminar room for debate, classes and materials and 4 offices for faculty. Recommended by CPC.
4. General Classrooms - replacing Law Uses
 2 buildings, 1 large classroom of 100 capacity and 2 classrooms of 50 to 60 each. Rooms to replace the space to be used by the Law School. Dean Amandes says that X-47, capacity 100, will be used 15 to 20 hours per week for Law classes 1967-68 and will be needed 40 hours for 1968-69. The Law School will need 1 small classroom, capacity 50, 5 to 10 hours 1967-68 and 40 to 50 hours 1968-69. One room to be Lounge and Locker facilities.
5. Chemistry
 1 building for two Freshman Chemistry Laboratories. This will be needed if Chemistry 3 is converted to organic lab. This is recommended in place of X-19, which is currently an office building with 16 offices. Recommended by CPC.
6. English
 2 buildings of 14 rooms each for English offices. This will make possible consolidation of the English offices from 5 other buildings. Offices vacated by English will enable other departments in the other 5 buildings to expand as needed. Recommended by CPC.
7. Biology Department
 Request 2 buildings for 3 Freshman Lab Rooms and 1 room for Teaching Assistants. This would enable them to divert present Freshman Labs, Science 204, Science 206, and Science 208 to research. Further study needed. Biology labs are used from 8:00 A.M. to 10:00 P.M. every day.
8. Mathematics
 Requests 6 temporary buildings for 12 classrooms and 2 temporary buildings for 28 offices. It is their purpose to unify the Mathematics Department. Math will gain 34 offices in the new Math-Foreign Languages Building and will gain carrells for 16 Teaching Assistants. They will need to retain 12 offices in the Administration Building and will give up 3 in Industrial Engineering Building and 5 in X-19. Math will need a total of 20 spaces in addition to their new building. Math has a total of 199 classes this Fall and has 14 classrooms in the new building which will care for only 156 of their classes.

9. Building for Physics Laboratory - Radiation Lab

This would replace the request of the Physics Department for labs for Physics 142 and 241. Physics Department requested a building for their lower level labs and convert space in the Science Building to research. Recommend substitute 1 temporary building for the radiation lab and research space and reactivate Science 43 to laboratories.

10. Physical Education for Women

Needs 1 building for classrooms and offices. Majority of the classes in Physical Education must have their classrooms close to their equipment. Additional office space is needed for their staff as three faculty are now housed in each office.

11. Music

Music has made a verbal request for 4 additional buildings to be used. 1 building with 2 classrooms, small offices and an area for listening booths. This would be primarily for Music Education, however classrooms would be used by others.

2 buildings for band, storage, and small studios for percussions and instruments. This would concentrate the "disturbing sounds" in an area as well as relieve and secure the storage of band instruments.

1 building for classes and necessary equipment in Music Literature and other Music classes. These are currently scheduled in the Agricultural Engineering Buildings.

These additional buildings would relieve the crowded conditions in the Music Building so that studios, offices, libraries, could be better utilized without conflicts.

12. Placement Service

A general request from Mrs. Jenkins for additional space to accommodate increasing activities and staff. Mrs. Jenkins problem is primarily for conference rooms and interview rooms. If the facilities were located at the perimeter of the campus where parking space would be more accessible I believe this would be more desirable. Placement Office has requested the Law School facilities when they move.

13. Dean of Student Life has requested additional space of approximately 1600 Square Feet for increased staff in financial loans and aides. He states that 3 classrooms on the second floor could possibly be converted but would prefer a temporary building of approximately 2400 square feet, it would be more convenient and usable. The space currently used by the Financial Advisor is very crowded.

14. Environmental Health

The Environmental Health Director requests 650 square feet of space for library, faculty, office director, offices and assistants. He states the present facilities are not adequate for testing bacteria.

15. General Office Space

2 buildings of 16 offices each requested. 123 offices on the campus have 2 or more persons. Some of these, such as Education, Agricultural Economics, Architecture, Home Economics, Music, Biology, and persons of rank of assistant professors and even professors occupying the same office. In order to relieve this somewhat and with anticipated increase in staff additional buildings are requested.

NOTE: Mathematics will need 12 offices in the Administration Building and Foreign Languages will free 20. These will be reassigned to Sociology and Education primarily. Government and History need some relief in office space.

General Requests for Classrooms to be converted to other purposes.

1. Journalism requests J 204 to become a lab to comply with Title VI Grant.
2. Department of Industrial Engineering requests 2 classrooms for Biomechanics lab.
3. Agricultural Economics requests 2 classrooms for offices.
4. Additional space is needed for the Department of Range and Wild Life Management.

SUMMARY: Additional space in temporary buildings will be needed by next Fall in view of the anticipated growth in faculty, more students, expanded programs, new departments, research, and internal developments. With the additional 20 classrooms in the Mathematics - Foreign Languages Building and considering the conversion of 6 classrooms to other purposes we will have 190 general classrooms. Utilization of classrooms was approximately 65 to 110 % this past Fall. They were used from 8:00 A.M. until 4:00 P.M. in about 3/4 of the facilities even through the noon hour in many instances and in about 1/4 of the classrooms, classes were scheduled until 5:00 or 5:30 P.M. Fall of 1966 showed an increase of 12 1/2 % or 363 classes and 122 more labs over Fall 1965.

Campus Planning Committee
February 22, 1967
Attachment No. 710
Item No. 3621

H. A. Lott, Inc.
Contractors & Engineers

P.O.Box 36303 Houston, Texas 77036 Phone: PR4-5891

6 February 1967

Stiles, Roberts & Messersmith
3307 Avenue X
Lubbock, Texas 79411

Reference: Dossie Wiggins Dormitory Complex
Texas Technological College
Lubbock, Texas

Gentlemen:

This is to advise that effective midnight February 3, 1967, the International Union of Elevator Constructors has called a strike. This strike will delay the date upon which the interior elevators could be used for vertical transportation of men and material on a temporary use basis during our construction time. This will increase our costs and contribute to delay in completion of the building.

Any extended period of time of the strike itself could delay ultimate completion of the elevator installation beyond the contract completion date.

We know you join us in hoping for earliest settlement of this strike, but we wish to advise you of this possible delay in the project in accordance with the specification requirements.

Yours very truly,

H. A. LOTT, INC.

By _____
Alan C. Farnsworth

ACF:s

cc: Addressee (3)
Howard Schmidt
Homer May
Files

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 333

March 6, 1967

A meeting of the Campus Planning Committee was held at 3 P.M. on March 6, 1967, in the Conference Room of Howard Schmidt and Associates, Consulting Architects.

Members present were Chairman M. L. Pennington, Mr. E. J. Urbanovsky, and Mr. Nolan E. Barrick.

Other members of the College staff present were Mr. John G. Taylor, Mr. O. R. Downing, Miss Evelyn Clewell and Miss Jerry Kirkwood.

Mr. Howard Schmidt, Consulting Architect, was present.

Also in attendance were Mr. C. Berwyn Tisdell and Mr. Bill Hamilton, from the office of Howard Schmidt and Associates, Consulting Architects.

3622. Architecture and Allied Arts Facility (CPC No. 106-66)

The site of the facility was discussed in detail.

The program is being refined by the Consulting Architect and the Project Architects are presently familiarizing themselves with the campus and its functions.

The Campus Planning Committee recommended that the site not necessarily be connected with the locations of the Engineering Facilities and requested Mr. Howard Schmidt, Consulting Architect, to study the location in connection with the long-range plan for the campus for which he has been authorized.

3623. Central Heating and Cooling Plant (CPC No. 105-66)

(Zumwalt & Vinther, Inc., Engineers)
(Pitts, Mebane, Phelps and White)

Clerk-of-the-Works

Based upon the request of Mr. Robert White, of Pitts, Mebane, Phelps and White, as to the intention of the College concerning a clerk-of-the-works for the project, the Campus Planning Committee recommended that the architects submit the credentials of known qualified men who could be considered for looking after the interest of the College for this project and perhaps the Biology project as well.

In addition, it was recommended that thoughts be given to considering the possibility of Mr. Justin Elliott becoming a coordinator of various clerks-of-the-work as projects come into their construction phases.

3624. Law School (CPC No. 108-66)
(Harrell & Hamilton, Architects)

After considering various locations to the northwest of Flint Avenue and 15th Street, the Campus Planning Committee recommended that Mr. Howard Schmidt, Consulting Architect, study the location in conjunction with the Architecture and Allied Arts Facility and the long-range plan for Texas Tech.

It was noted that the present floor plan will require a considerable amount of land and Mr. Schmidt was asked to consider the possibility of reducing the land coverage through the study of the relationship of the spaces within the building.

3624. Law School (Cont'd)

The Campus Planning Committee will again review the proposed sites upon the completion of the work to be done by Mr. Schmidt, and the Project Architects will be invited to participate in the final selection of the sites for both the Architecture and Allied Arts Facility and the Law School.

Other Business:

Regarding building sites, it is the opinion of the Campus Planning Committee that the direction of the academic program must first be established, and kept revised and available, in order that feasible and flexible planning of sites of all buildings can be studied to the best interest of Texas Tech.

Jerry Kirkwood
Coordinator

The meeting adjourned at 5:35 p.m.

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 334

March 13, 1967

A meeting of the Campus Planning Committee was held at 1:15 p.m. on March 13, 1967, in the Office of the President.

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. Grover E. Murray, Dr. W. M. Pearce, Mr. Howard Schmidt, Mr. Robert Messersmith, Mr. Hoyse McMurtry, and Mr. Lothar Witteborg.

3625. Museum (CPC No. 65-61) (Associated Architects and Engineers of Lubbock)
(Stiles, Roberts & Messersmith and McMurtry & Craig)

Dr. Murray said that the mission today is to recommend to the Board of Directors of Texas Tech for consideration at the meeting on April 8, 1967, a design of the Museum Complex which can be used in the fund-raising brochure.

Mr. Messersmith briefly reviewed the original plans, starting with the 15 acres at Fourth Street and Indiana, the three-story central unit, large one-story exhibit gallery, sculpture court, planetarium, and auditorium. The industrial gallery was to contain enough space to house the East Texas Cotton Gin.

Under the revised plans, the industrial gallery is approximately the same but has been moved back 40' to allow for expansion. The sculpture court is about the same. The planetarium is about the same. The exhibit gallery interior was prepared by Witteborg and Williams and has been shown to different groups at various times. Some of the basement spaces have been shifted to other locations. The boiler, chiller and other mechanical equipment are still located in the basement. The second floor, over the central unit, is approximately the same except for some shifting, including the Library. The conference room has been enlarged to become the Memorial Room. The sales area has been enlarged also.

A reflecting pool, 380' x 80', has been added.

When the development of plans was stopped in the summer of 1966, the architects were told to study the entire 70 acres in the facilities in addition to the Museum. Mr. Messersmith then presented the site study, which showed that the main buildings are now oriented from the northeast to the southwest. Parking for 425 cars is in the front of the building and the lot is to be depressed 3' or 4'. Continuing education and outdoor exhibits are to be east of the parking area. The outdoor exhibits, such as the windmill, model ranch, etc., were briefly discussed.

Exterior

Two color renderings of the complex were presented, along with elevation studies. The exterior design and materials attracted a good bit of discussion. The proposed material was a light colored brick, of which several samples were shown. Mr. Messersmith said it could be of stone or other material. The pylon which was included in the drawing had been eliminated, according to Mr. Messersmith. Mr. Witteborg said that the plan calls for flags of the countries exhibiting material within the complex to be flown. The base of the Museum Complex is to be 3' or 4' above ground level. The exterior walls were designed with a sloping effect.

3625. Museum (Cont'd)Budget

Mr. McMurtry presented three different choices and combinations, labeled Schedules A, B and C. A copy of the schedules are attached to and made a part of the Minutes.

(Attachment No. 711, page 3081)

During the discussion of the overall budget, Mr. Witteborg said that the plans are for the Ranch Committee to raise its own money, and other groups will do the same. Some of the other groups will solicit funds from foundations, other donors and foreign countries through the donation of ethnological exhibits.

Dr. Murray explained that there has been no approval of the design to date. The Executive Committee of the Museum had expressed its general approval of what has been shown. The next steps are presentations to the Building Committee of the Museum and the Campus Planning Committee for recommendations.

The Campus Planning Committee recommended that:

1. By majority vote, the character of the new exterior design.
2. The 380' x 80' wading pool be eliminated.
3. The little pool around the planetarium be restudied and the results submitted.
4. The architects prepare two new schemes of the reflecting pool area, one with mosaic materials substituted for water and one without it. In addition, the architects are to present any other design they think worthy of consideration.
5. The exterior material be restudied although it will matter little for the picture for the fund-raising drive.
6. Bricks not be used for the exterior and granite, marble or travertine stone be studied as exterior material.
7. The exterior be a little darker in color.

M. L. Pennington
Chairman

The meeting adjourned at 3:30 p.m.

Campus Planning Committee
 March 13, 1967
 Attachment No. 711
 Item No. 3625

T H E M U S E U M

Estimated Costs	SCHEME "A"		SCHEME "B"		SCHEME "C"	
	Budget	\$2,000,000.00	Budget	\$3,000,000.00	Budget	\$3,000,000.00
CENTRAL UNIT						
Basement	19,200sf @ \$10.00					
First Floor	19,200sf @ 20.00					
Second Floor	12,800sf @ 15.00	768,000.00		768,000.00		768,000.00
AGRI.-INDUSTRIAL GALLERY	14,400sf @ 10.00 (Half)	72,000.00	(Half)	72,000.00	Full Gallery	144,000.00
Passage	1,400sf @ 10.00					14,000.00
PLANETARIUM	4,000sf @ 20.00	80,000.00		80,000.00		80,000.00
Assembly, Off. & Corridor	3,420sf @ 15.00	51,300.00		51,300.00		51,300.00
Glazed Corridor	480sf @ 10.00	4,800.00		4,800.00		4,800.00
Basement Classrooms	3,420sf @ 10.00	34,200.00		34,200.00		34,200.00
BOILER ROOM & STAGE	2,200sf @ 11.00	24,200.00		24,200.00		24,200.00
MAIN EXHIBIT GY. 80' x 200'	16,000sf @ 10.00	160,000.00	200' x 200'	400,000.00	Full Gallery	720,000.00
Basement	16,000sf @ 9.00	144,000.00	200' x 200'	360,000.00	Full Basement	648,000.00
EXTERIOR TREATMENT		50,000.00		69,000.00		145,000.00
TOTAL BUILDING COSTS		1,388,500.00		1,863,500.00		2,633,500.00
Project Architects' Fees		83,300.00		111,800.00		158,000.00
SITE DEVELOPMENT		101,700.00		107,700.00		118,700.00
PLANETARIUM EQUIPMENT & SEATING		50,000.00		50,000.00		50,000.00
FURNITURE & EQUIPMENT		50,000.00		60,000.00		70,000.00
EXHIBITS & DEVELOPMENT PROGRAM		326,500.00		807,000.00		0.00
TOTAL PROJECT	103,720sf	\$2,000,000.00	110,720sf	\$3,000,000.00	224,320sf	\$3,030,000.00

AUDITORIUM & BASEMENT

\$380,000.00

REFLECTING POOLS

\$ 70,000.00 + Fountains

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 335

March 16, 1967

A meeting of the Campus Planning Committee and the Museum Building Committee was held at 1:00 p.m. on March 16, 1967, in the Office of the President.

Members of the Campus Planning Committee present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick and Chairman M. L. Pennington.

Members of the Building Committee present were Mr. Mark Haley, Chairman, Mr. Retha R. Martin, and Dr. Earl Green.

Others present were Dr. Grover E. Murray, Mr. Howard W. Schmidt, Mr. Hoyse McMurtry, Mr. Robert Messersmith and Mr. Lothar Witteborg.

3626. Museum (CPC No. 65-61) (Associated Architects and Engineers of Lubbock)
(Stiles, Roberts & Messersmith and McMurtry & Craig)

Dr. Murray explained the purpose for the meeting with the statement that it is necessary to get a rendition to be presented to the Board of Directors for approval at the meeting on April 8, 1967, in order that it can be used in the brochure for the fund-raising drive.

He said the Board should be requested to authorize the architects to begin some detailed planning on the center core, and perhaps other areas, in order that everyone could have some idea of how the budget would be developed.

Mr. Messersmith reviewed the original master plan, starting with 15 acres and progressing to the 76 acres, and the reorientation of the buildings and facilities.

He reviewed the requests of the Campus Planning Committee, that the reflecting pool be eliminated due to the maintenance difficulties and that the architects prepare new studies of the pool area, one with mosaic tile and one without, plus any other ideas which the architects have and feel worthy of consideration. He said the renderings are in the process of development now.

He pointed out that the pylon has been removed from the picture. He mentioned the exterior and said that he had been asked to check travertine stone, shell stone, granite, marble, etc.

Mr. McMurtry and Mr. Messersmith mentioned the estimated increase in cost over brick by the use of other materials. Both said that a great deal of time has been spent on the exterior material.

The new studies will need to prepare a recommendation for presentation to the Board of Directors of Texas Tech, and Dr. Murray requested that the materials be sent to the members one full week ahead of the Board meeting date.

M. L. Pennington
Chairman

The meeting adjourned at 2:00 p.m.

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 336

March 22, 1967

A meeting of the Campus Planning Committee was held at 9 a.m. on March 22, 1967, in the Plot Plan Room, Physical Plant Building on the campus.

Members present were Chairman M. L. Pennington, Mr. Nolan E. Barrick and Mr. E. J. Urbanovsky.

Mr. Howard Schmidt, Consulting Architect, and Miss Jerry Kirkwood were present.

Also present from Mr. Schmidt's office was Mr. Richard Jennings.

Present from the office of O'Neil Ford and Associates, Architects, were Mr. O'Neil Ford, Mr. Chris Carson and Mr. Richard Flatt.

Mr. O'Neil Ford had requested an informal visit to the campus and the purpose of the meeting was to discuss the progress made by the architects, thus far, and to have an informal discussion concerning the site of the proposed facility for the Department of Architecture and Allied Arts.

3627. Architecture and Allied Arts Facility (CPC No. 106-66)

Mr. M. L. Pennington opened the meeting by giving the background of the thinking of the Campus Planning Committee regarding the site.

Mr. Pennington stated that after discussing the project, it has been recommended that the site not necessarily be within the area occupied by the engineering facilities.

The originally proposed site west of the existing Power Plant and north of Chemical Engineering Building was pointed out.

Three major sites which have been under study were discussed with Mr. Ford and he was asked for his comments. The three sites are as follows, moving from the north to the south.

1. The southwest corner of 15th Street and Flint Avenue.
2. West of the Business Administration Building now under construction.
3. South of the Business Administration Building now under construction.

Mr. Ford, with the overall concept of the campus in view, said that he would not recommend the site west of the Power Plant and north of the Chemical Engineering Building if it is not necessary that the Architecture and Allied Arts Building be located there. He pointed out his awareness of the traditional two and three story portion of the campus and the fact that land is available to receive a multi-story structure, but felt that it would be a mistake to locate a structure of this scope in the area of the lower level structures of the campus. Mr. Ford expressed his feeling that the height of new structures on the campus would indicate the creation of a "new town" but, that in the future, consideration should be given to the utilization of sites in the older portion of the campus.

The Campus Planning Committee members agreed that the site near the Chemical Engineering Building would disrupt the athletic activities and the relocation of the practice fields would create a need which would be far above monies available. Also, it was noted that a new entrance to the campus from the north would be created with the location of a new structure in this area, and money is not available for such an entry to be handled properly.

3627. Architecture and Allied Arts Facility (CPC No. 106-66)

Mr. Ford and his staff produced a 100' scale plot plan of the campus and an area plan model of the proposed building. The above three remaining sites suggested by the Campus Planning Committee had also been under study by the architects.

The architects also presented two scaled working models of the building proper. These were built in order that the scope of the project, the study of lines, and the materials could be understood in relationship to the sites being studied.

The three proposed sites were discussed by the Campus Planning Committee members in the order of the preference of each regarding function and appearance.

It was pointed out that the Business Administration Building can feasible handle 3,900 students per hour but it was felt that pedestrian traffic would have a relative balance as the hourly traffic in the Architecture and Allied Arts Building will be minor due to long laboratory hours.

Nearness to the dormitories and the possibilities of changing arrangements for coeducational housing was discussed.

It was felt that parking for staff only could be provided in the existing parking area north of Hulen and Clement Halls.

By majority vote, it was decided to recommend that the Architecture and Allied Arts Building be located in an area south of the Business Administration Building now under construction.

Mr. Ford agreed with the recommendation of the Campus Planning Committee and stated that the site as recommended was his selection of those which his firm had studied. He pointed out various sites within the area west of the Library and north of Wall and Gates Halls and Hulen and Clement Halls remaining for utilization.

Several schematic floor plans prepared by the architects, based upon the program prepared by Mr. Howard Schmidt and Associates, Consulting Architects, were briefly reviewed.

Mr. Pennington requested the architects to study the design and function of the building to the best advantage for efficiency and economy without sacrificing the quality of either design or function.

Jerry Kirkwood
Coordinator

The meeting adjourned at 11:20 a.m.

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 337

March 22, 1967

A meeting of the Campus Planning Committee was held at 1 p.m. on March 22, 1967, in Room 120 of the Administration Building.

Members present were Chairman M. L. Pennington, Mr. E. J. Urbanovsky and Mr. Nolan E. Barrick.

Others from the staff present were Mr. John G. Taylor, Miss Evelyn Clewell and Miss Jerry Kirkwood.

Mr. Howard Schmidt, Consulting Architect, was present.

Mr. R. C. Messersmith of Stiles, Roberts and Messersmith, Architects, and Mr. Berwyn Tisdell of Howard Schmidt and Associates, Architects, were present to discuss the Wiggins Complex, Phase II.

3628. Correction to the Minutes

Meeting No. 332, February 22, 1967, is as follows:

Item No. 3620, Temporary Buildings - 1967 (CPC No. 113-67), No. 2 shall read "One 30' x 80' building for the Department of Applied Arts."

3629. Administration Building Remodeling - (Basement - East Wing)

Dr. Grover E. Murray has requested that the basement area known as the President's storage be rehabilitated for the Public Information Offices.

Mr. Howard Schmidt was requested to establish the needed uses, prepare necessary sketches and an estimated cost.

Mr. Schmidt's services are to come under Article I, Section B, and Article II, Section B, of his contract.

3630. Agricultural Facilities

1. Campus Expansion

Relocation of farm land, facilities and farm residences will need to be accomplished during the summer of 1967, as construction of the Wiggins Complex, Phase II, will begin in November of 1967, if the proposed schedule is maintained.

A subcommittee will be appointed to gather information concerning the schedule and relocation of facilities.

2. Long-range Plan

It is understood that Dean Gerald Thomas and his faculty are working on a detailed study for facility relocation.

Information from these studies is requested in order that it can be used in the study of the overall plan for campus expansion being studied by Mr. Howard Schmidt, Consulting Architect.

3631. Architecture and Allied Arts Facility (CPC No. 106-66)
(O'Neil Ford and Associates, Architects)

Project Architects' Contract

The contract has been in preparation and under study for some time as it is the first one to be executed where the services of the consulting architect are to be considered.

3631. Architecture and Allied Arts (Cont'd)

Mr. Howard Schmidt will distribute a rough draft of the document to members of the Campus Planning Committee, Mr. John G. Taylor and Miss Jerry Kirkwood for review.

3632. Athletic Facilities

Mr. Polk Robison is working on the long-range plans for the athletic needs which will be presented to the Athletic Council as soon as possible.

It is recommended that the program recommended by the Athletic Council be presented to the Campus Planning Committee in order that Mr. Schmidt may be authorized to work with the Council and the Campus Planning Committee toward implementing the work.

3633. Biology Building (CPC No. 99-65) (Pierce & Pierce, Architects)1. Campus Planning Committee Review of Construction Drawings

Progress sepia prints for review of the Campus Planning Committee were received on March 16, 1967.

The sheets were relatively full but cross-reference identification is lacking, making it difficult to make the proper review of the drawings.

Concern was expressed that time has not been allowed for review of the completed drawings prior to submittal to the Board of Directors on April 7 and 8, 1967.

It was recommended that Mr. Pennington talk with the architects in an effort to expedite the completion of the construction documents in time for proper review by the College.

2. Tunnels and Utilities Route

The route proposed by the engineers was accepted but the design of the tunnel was recommended to be delayed so that construction can be coordinated with the Biology Building tunnel stubout and the location of the Law School and Architecture and Allied Arts Buildings.

3634. Central Heating and Cooling Plant (CPC No. 105-66)

(Zumwalt & Vinther, Inc., Engineers)

(Pitts, Mebane, Phelps and White, Architects)

Bids were received at 3 p.m., March 21, 1967, for the general construction work.

The Board of Directors were contacted by phone and the action taken on the recommendation of the Campus Planning Committee that the V & N Construction Company be awarded the contract in the amount of \$846,800.00, as the low base bid, is recorded below.

The Building Committee of the Board of Directors voted as follows on the contract award and polling the Board:

Mr. Hinn, Chairman	"Aye"	3-21-67
Mr. Allen	"Aye"	3-21-67
Mr. Cash	"Aye"	3-22-67

Other members of the Board voted as follows on the contract award:

Mr. Allison	"Aye"	3-22-67
Mr. Furr	"Aye"	3-22-67
Mr. Martin	"Aye"	3-22-67
Mr. McLaughlin	"Aye"	3-22-67
Mr. Reistle (was out of the country and could not be reached)		
Mr. Tannery	"Aye"	3-22-67

The bid tabulation is included for information.
(Attachment No. 712, page 3093)

3635. Engineering FacilitiesHydraulics Laboratory for the Civil Engineering Department
(CPC No. 107-66)

It was recommended that Mr. Howard Schmidt, Consulting Architect, be authorized to work with the Faculty Committee in establishing a program for the development of a Hydraulics Laboratory.

The work will be included under Article I, Section B, and Article II, Section B, of the contract with Mr. Schmidt.

3636. Financing

The three bills - the Skiles Act, Building Use Fee and Utility Plant Bill - have all been introduced and are before the Legislature.

All three will be needed to finance the program under consideration.

3637. Foreign Languages - Mathematics Building (CPC No. 79-63)
(Pitts, Mebane, Phelps and White, Architects)

Mr. Robert White inspected the building on March 21, 1967, and compiled a punch list to be taken care of by the contractor.

The completion date is April 10, 1967, and it is possible that the building may be completed during the month of June, 1967.

3638. Housing on CampusThompson, Gaston, Wells and Carpenter Halls

The total estimated cost for repainting and refinishing the four halls is \$52,578.00.

Part of the work will be accomplished by the Department of Building Maintenance at an estimated cost of \$6,278.00 which is included in the above cost.

The estimate is attached for information. (Attachment 713, page 3094)

It was recommended that the Board be requested to approve, at the April 7 and 8, 1967, meeting, the issuance of plans and specifications, the receipt of bids, and to recommend a method of awarding the contract prior to the June 3 meeting.

It was also recommended that bids be received the latter part of April, and work authorized to begin June 1, 1967.

3639. Law School (CPC No. 108-66) (Harrell & Hamilton, Architects)Project Architects' Contract

Mr. Howard Schmidt, Consulting Architect, will distribute a rough draft of the contract for review of the Campus Planning Committee, Mr. John G. Taylor and Miss Jerry Kirkwood.

3640. Museum (CPC No. 65-61) (Associated Architects and Engineers of Lubbock)
(Stiles, Roberts & Messersmith and McMurtry & Craig)

The design concept will be presented to the Board of Directors on April 7 and 8, 1967, for approval to be included in the brochure to be prepared for fund raising purposes.

3641. Naval Reserve Training Center (CPC No. 80-63)
(Atcheson, Atkinson and Cartwright, Architects)

Members of the administration and staff met with representatives of the United States Navy on March 7, 1967, and the terms of the agreement for lease of the land were discussed.

A copy of notes of the meeting are attached for information.

(Attachment No. 714, page 3095)

3642. Procedures1. Methods for Expediting Campus Planning Committee Meetings

Information and comments requested of Campus Planning Committee members and others shall be returned to the Campus Planning Committee Coordinator for proper distribution.

2. Procedures Manual

The progress report on the development of the manual is attached.

(Attachment No. 715 , page 3098)

3643. Research Park for Texas Tech

Copies of the proposal prepared by Dean John R. Bradford have been received and forwarded to members of the Campus Planning Committee, Mr. John G. Taylor, Mr. Howard Schmidt and Miss Jerry Kirkwood.

The funding and the financing of such an area requires additional study.

3644. Social Sciences Building

It was recommended that an additional point or points of access and egress be studied near the large capacity lecture rooms on the second floor.

3645. Soil Storage on CampusProcedures

The project architects will be requested to furnish the approximate yardage to be excavated. Mr. E. J. Urbanovsky will establish the site for any excess soil which shall be included in the specifications for specific projects.

3646. Stadium Light Standards (CPC No. 110-67)

Mr. Roy Meyer has not responded to correspondence forwarded by Mr. Nolan E. Barrick.

It was recommended that Mr. Barrick contact Mr. Meyer by phone.

3647. Student Health Service Addition (CPC No. 111-67)

Mr. Schmidt presented a comprehensive progress report to those present and the Chairman asked that the report be studied by each and comments be forwarded to the Campus Planning Committee Coordinator for compilation.

3648. Student Union Building Addition (CPC No. 112-67)Snack Bar

It was recommended that Mr. Howard Schmidt, in keeping with the request from Dean James G. Allen, be authorized to work with the Student Union Committee to effect improvements in view of the future remodeling of the Union.

Mr. Schmidt's services are to come under Article I, Section B, and Article II, Section B, of his contract.

Further, it was recommended, based upon Mr. Schmidt's observations, that he request Mr. Arthur Dana, Food Consultant, to provide an estimated cost of the work and his fee for services required to redesign the function of the snack bar and the type of food service. Also, Mr. Schmidt was requested to contact Mr. Jack Evans for an estimated cost of the work and his fee for interior design services for the area.

3648. Student Union Building Addition (Cont'd)

If the above services and costs are accepted by the Union Board, a recommendation will be made to the Board of Directors accordingly.

Financing for the project will be provided from Union funds.

3649. Tech Press (CPC No. 25-58)

Mr. Schmidt was authorized under the terms of his contract to begin a feasibility study for the expansion of the facility.

Funds are available and are to be provided by the Tech Press.

3650. Temporary Buildings - 1967 (CPC No. 113-67)

The list including the quantities and uses of seventeen temporary buildings established and approved by the administration on March 7, 1967, is attached.

(Attachment No. 716, page 3099)

It was recommended that one additional building to be used by the Music Department be included to make a total of four for Music. Miss Evelyn Clewell was requested to establish the specific use of the building and to clear the recommendation with Dr. W. M. Pearce. The total, if approved, would then be eighteen.

In order to implement the work, the following recommendations were made:

1. The approximate standard size shall be 30' wide by 80' long,
2. Mr. M. L. Pennington and Mr. John G. Taylor shall establish the means and the schedule for securing the buildings,
3. Miss Evelyn Clewell shall consider the needs of the various departments and work with Mr. O. R. Downing's staff in preparing the necessary drawings,
4. And, that the estimated budget be established after the means for securing the buildings is known.

Mr. Urbanovsky presented a plot plan showing proposed locations of the buildings.

The general sites were approved and a copy of the drawing is available in the office of the Campus Planning Committee Coordinator.

Materials required for construction of any buildings on the site will need to be ordered soon in order that the work can be accomplished during the summer of 1967.

3651. Utilities Along Indiana Avenue

Lubbock Power and Light Company has proposed that existing 50' poles along the freeway and those east of Indiana Avenue between 4th Street and the freeway be replaced with 80' poles.

The company needs to add 12 KVA to both runs for supply to the Central Heating and Cooling Plant. The plant will be served by both lines, one being an emergency stand-by source.

It was recommended that the proposal be accepted as a temporary solution, only, and that an agreement be made establishing the date when these temporary services would be run underground.

Mr. Urbanovsky is working with the City toward establishing a cut-out lane for access to the campus on 15th Street as automobiles approach from the north on College Avenue.

A study is also being made for a similar lane to the south of 15th Street, on campus, for automobiles leaving the campus and turning north on College Avenue.

3653. Wiggins Complex, Phase I (CPC No. 97-65)1. Change Orders

Change Order No. 1 in the deductive amount of \$9,857.56 and Change Order No. 2 in the deductive amount of \$83,356.00 are recorded as approved.

2. Interior Designer's Specifications

Additional work needs to be done with Mr. Jack Evans and no action shall be taken until the committee reviewing the specifications is satisfied.

3. Letters for the Names of the Buildings

It was recommended that the letters be aluminum finish to match existing letters instead of bronze finish as specified.

The architects were requested to ask the contractor to prepare a proposal for a credit for the change.

4. Tunnels and Utilities Extensions

The Campus Planning Committee recommended that a minimum run of tunnel construction which would be applicable to the Biology project be included as a change order to this project.

The minimum amount of tunnel only is recommended and the maximum amount of tunnel would be determined by the necessity of any expansion joints required for future piping.

3654. Wiggins Complex, Phase II (CPC No. 114-67)1. Architects' Presentation of Schematic Phase

Mr. R. C. Messersmith presented the schematic plans and elevations.

It was pointed out that some rearrangement of the original elements within the first floor plan has been made in order that entrances toward parking facilities can be included. The rearrangements were accepted.

Mr. Messersmith explained that Unit K had a snack bar and game room included in the masterplan but that Mr. Arthur Dana, Food Consultant, had recommended that the kitchen unit, at this time, be left unfinished with utilities roughed in.

Exception was taken that all towers would not have the benefit of a snack bar and also that the proposed design limited the use by women residents due to "closing hour" policies.

It was recommended that the snack bar and kitchen be included and that additional study be given to the location so that women residents could have access to an "order point" as long as the kitchen facility is kept open.

Flexibility of design should be maintained in view of the fact that the units may house men or women alternately, from one year to the next.

Mr. Messersmith presented the proposal for temporary parking facilities for Phase I, to be included in the construction of

3654. Wiggins Complex - Phase II (Cont'd)

The presentation included all schemes which had been presented at Meeting No. 325, January 13, 1967.

The architects had been requested to further study the temporary parking problem and present a recommendation to the Campus Planning Committee.

The architects proposed No. 1, that the temporary location north of Phase I, or No. 2, that the temporary location northwest of Phase II be accepted for parking for Phase I.

Mr. Messersmith had available specifications and estimated costs for various types of paving which had been prepared by an engineer.

By majority vote, the Campus Planning Committee recommended that a paved, with no curb and gutter, area be located northwest of Phase II to be used as parking for Phase I.

In addition, it was recommended that the access street from Flint Avenue to the area be paved with curb and gutter. The source of funds was not decided.

Also, it was recommended that exterior lighting to the area be included by change order to the existing contract.

The architects shall prepare the plans and specifications, as reviewed by Mr. Urbanovsky, and supervise the paving of the parking area and paving of the street. The paving will be under a separate contract and not a part of H. A. Lott's responsibilities.

The schedule for development of final construction drawings for Phase II is included below.

* Approaching Dates

I. Programming - Schematics Phase

February 7 - March 22, 1967 - Request Campus Planning Committee review and approval of Schematic Phase.

II. Design Development Phase

* April 1, 1967 - Request Campus Planning Committee review and approval of Design Development Phase.

* April 7 and 8, 1967 - Request Board review and approval of Design Development Phase.

III. Construction Documents Phase

July 1, 1967 - Request review by Campus Planning Committee of construction documents.

July 15, 1967 - Review of the Department of Housing and Urban Development of construction documents.

August 15, 1967 - Request Campus Planning Committee review and construction document approval.

August 25 and 26, 1967 - Request Board review and construction document approval.

3654. Wiggins Complex - Phase II (Cont'd)IV. Bid Period

- | | |
|--------------------|--------------------------------|
| September 15, 1967 | - Issue Documents for bidding. |
| November 1, 1967 | - Receive bids. |

V. Construction Period

- | | |
|------------------|-----------------------|
| December 1, 1967 | - Start Construction. |
| August 1, 1969 | - Completion date. |

2. Fee for Architects

A fee of 4.2% for the cost of construction which falls under the design and supervision phases will be recommended to the Board of Directors.

3. Food Consultant

The Campus Planning Committee recommended that Mr. Arthur Dana be retained as the consultant and that Mr. John G. Taylor, Mr. Howard Schmidt and Miss Jerry Kirkwood review Mr. Dana's proposal compared to the existing contract.

A recommendation will be presented to the Board of Directors.

Jerry Kirkwood
Coordinator

The meeting adjourned at 5:30 p.m.

Campus Planning Committee
 March 22, 1967
 Attachment No. 712
 Item No. 3634

BID TABULATION
 GENERAL CONSTRUCTION WORK FOR A CENTRAL HEATING AND COOLING PLANT
 Project Tex. 2-1684, 2-2202, 2-2301 & 4-1684

TEXAS TECHNOLOGICAL COLLEGE, LUBBOCK, TEXAS
 March 21, 1967
 3 p.m.

PITTS, MEBANE, PHELPS & WHITE
 ARCHITECTS & ENGINEERS

46 Interested Parties Present

BIDDER	BASE PROPOSAL	ADDENDUM RECEIVED	BID SEC. ATTACHED
H. C. Lewis General Contractor	\$ 943,200.00	X	X
Manhattan Construction Company	\$ 909,000.00	X	X
W. G. McMillan Construction Company	\$ 869,200.00	X	X
H. A. Padgett, Jr. General Contractor	\$ 917,298.00	X	X
V & N Construction Company	\$ 846,800.00	X	X

Campus Planning Committee
 March 22, 1967
 Attachment No. 713
 Item No. 3638

M E M O R A N D U M
 from
 Building Maintenance
 and Utilities

Texas Technological College
 Lubbock, Texas

TO: Miss Jerry Kirkwood DATE: March 21, 1967

SUBJECT: Painting Wells-Carpenter-Thompson and Gaston Halls

The following estimate for painting Wells-Carpenter and Thompson-Gaston was made by Jones Brothers Paint Contractors and would consist of the following:

Sand and refinish the natural finished paneling and wood in the lounge areas.
 Sand and refinish all outside entry doors on both sides.
 Strip all wooden doors down to the filler, stain and apply two coats of varnish.
 Fill and repair all areas of plaster where needed.
 Paint all corridor walls above vinyl wainscoting.
 Paint walls and ceilings in all rooms, including peg board.
 Refinish frames on all bulletin boards.
 Spackle, fill and paint all ceiling tile.

They think that one coat of paint on walls and ceilings will be sufficient if we stay with existing colors as near as possible.

It is understood that no work will be done in any restrooms except stripping and refinishing both sides of entry doors.

Their estimate is based on Pittsburg Speed-Hide latex paint for walls and ceilings and Pittsburg varnish for doors.

Total estimated cost in the amount of \$22,000.00 Thompson-Gaston and \$22,000 Wells-Carpenter.

In many areas vinyl will need to be replaced in corridors. Cost of material is \$1.50 a square yard. Labor to install is \$.08 per square yard. We feel 100 yards will need to be replaced in the four dormitories at a total cost of \$2,300.00.

Work which can be completed by Department of Building Maintenance and Utilities would include:

Painting 28 bathrooms @ \$125.00 each.	\$ 3,500.00
Painting 4 basement T. V. Rooms and corridors @ \$250.00 each.	1,000.00
Install fissured minaboard acoustical ceiling in 4 T. V. Lounges	1,778.00

The total for Thompson-Gaston and Wells-Carpenter would be \$52,578.00.

/s/ O. R. Downing
 O. R. DOWNING
 Director

ORD/vc

Campus Planning Committee
 March 22, 1967
 Attachment No. 714
 Item No. 3641

U. S. NAVAL TRAINING CENTER

TO BE LOCATED ON THE TECH CAMPUS

PRECONSTRUCTION NOTES

MARCH 7, 1967

Representing Texas Tech were:

- Mr. M. L. Pennington - Vice President for Business Affairs and Chairman of the Campus Planning Committee
 (Mr. Pennington opened the meeting but was not able to remain throughout the session.)
- Mr. John G. Taylor - Business Manager (Mr. Taylor presided)
- Mr. Nolan E. Barrick - Head of the Department of Architecture and Allied Arts and member of the Campus Planning Committee.
- Mr. E. J. Urbanovsky - Head of the Department of Park Administration, Horticulture and Entomology and a member of the Campus Planning Committee
- Mr. O. R. Downing - Director of Building Maintenance and Utilities
- Miss Jerry Kirkwood - Campus Planning Committee Coordinator
- Mr. Howard W. Schmidt - Consulting Architect

Representing the architects were:

- Mr. Atmar Atkinson - Atcheson, Atkinson & Cartwright
- Mr. Bill Cartwright - Atcheson, Atkinson & Cartwright

Representing the U. S. Navy were:

- Mr. E. W. Fiedler - Gulf Division, NAVFAC, Building 16,
 New Orleans, Louisiana 70140
- Mr. M. I. Rubin - Gulf Division, NAVFAC, Building 16,
 New Orleans, Louisiana 70140
- LCRD L. E. Zook - N&MCRTC, Lubbock, Texas

Budget, Planning, and Construction Period

Mr. Fiedler stated that the funding for the project has been authorized by the Government and it is anticipated that construction will start around the middle of 1968.

He further stated that construction cost is estimated at \$445,000 and plans and specifications are expected to be completed by the architects and engineers during December, 1967. One year is estimated as the construction period.

The architects estimated that the plans could be 30 percent complete by April 8, 1967.

Site:

The site was not questioned by either party as an agreement between the Board of Directors and the United States Government has been made. A copy of the agreement is attached to these notes.

U. S. NAVAL TRAINING CENTER PRECONSTRUCTION NOTES (Cont'd)

Mr. Urbanovsky left the meeting to attend another scheduled meeting.

Building Construction and Appearance

A set of construction drawings of the Naval Facility to be constructed at Baton Rouge, Louisiana, was presented to those present as representing a structure similar to that to be constructed at Texas Tech.

Mr. Barrick spoke for the College representatives as the plans were reviewed. The following comments are recorded as approved by those present.

The chief concern of the College is the appearance of the building.

It was requested that samples of the proposed aggregate panels, samples of other exterior materials and exterior colors be submitted to the College for approval. The texture and color of such materials are the main concern of the College as the maintenance program maintained by the Navy is well known. Accordingly, the exposed downspouts were approved as being galvanized iron, painted. However, it was pointed out that the traditional brick known at Texas Tech will be maintained and is readily available.

The architects submitted Lafayette C. McKay, mechanical and electrical engineering firm, as consultants, and the firm was approved.

Mr. Downing reported that the necessary utilities are available to be tapped.

Mr. Barrick noted that the site of the building is not remote from campus expansion and that, as always, any mechanical equipment required to be placed upon the roof should be out of visible site even though decorative screening may be required to accomplish same.

Since information was not available concerning the required radar antenna and/or antennae required, as well as the three towers for radio operation; it was requested that additional information be provided for the approval of the Campus Planning Committee.

The agreement calls for a landscaping "break" to be provided and Mr. Urbanovsky should be consulted in order that the proper screening can be provided regarding plant materials.

Procedures:

It was established that Texas Tech will work with Commander Zook, N&MCRTC, Lubbock, Texas, with the direct contact for any matters being through Mr. M. L. Pennington as the representative of Texas Technological College.

The architects were requested to forward progress prints to Miss Kirkwood for distribution for review purposes. Two (2) sets of such prints are considered sufficient.

U. S. NAVAL TRAINING CENTER PRECONSTRUCTION NOTES (Cont'd)

In addition, one (1) completed set of prints will be requested for review and one (1) complete set of plans and specifications used for bidding purposes is required to be retained by the College.

Jerry Kirkwood, A.I.A.
Campus Planning
Committee Coordinator

JK:mk

cc: Mr. M. L. Pennington (Attachment)
Mr. John G. Taylor (Attachment)
Mr. Nolan E. Barrick
Mr. E. J. Urbanovsky
Mr. O. R. Downing
Mr. Howard Schmidt (Attachment)
Mr. Atmar Atkinson
Mr. E. W. Fiedler (Attachment)
Commander L. E. Zook (Attachment)

Campus Planning Committee
March 22, 1967
Attachment No. 715
Item No. 3642

M E M O R A N D U M

To: Mr. M. L. Pennington March 22, 1967
From: Howard W. Schmidt
Subject: Progress Report - Development of Project Manual

1. Early this year requests for manuals or other information of a nature such as we are developing were sent to some twenty-six (26) universities throughout the country. As of this date, eighteen (18) have replied; twelve sent information, nine use nothing of this type and three are currently developing their own guides.

Of the twelve who sent information, all of which will be of some value, only five actually have a standard "manual". Subjects covered in the replies include:

- A. Methods of operation and interaction of owner-architect-contractor from conception of the project through year end inspection (i.e., approvals, correspondence). These methods specify services and information which are to be provided and by whom.
 - B. Design aims, objectives and other considerations for the campus and its buildings.
 - C. Standard forms for original contracts, instructions to bidders, supplementary general conditions, change orders, requests for payments, bonds, financial statements, time statements, etc. and instructions for the preparation and processing of same.
 - D. Organization and format for the drawings and specifications portions of the contract documents.
 - E. Specific methods and materials to be used in building construction for all portions of the work (general, mechanical, electrical, elevators, etc.). One has a lengthy standard specification which the project architect uses as a base, amplifying, deleting and adding to as special cases warrant such action.
 - F. Standard details used throughout the college system.
 - G. Procedures for selecting and obtaining furnishings.
2. Mr. Justin Elliott has collected some notations of his own observations and suggestions for this manual and has provided them in rough form to this office.
 3. We are developing a file of notes and memos of items relating to construction in progress that are of a nature applicable to all buildings. In addition, I have assigned one man in our office to consolidate all these pieces of information and begin formulation of a preliminary draft.
 4. Investigation has begun into methods of reproduction and binding which would make revisions as simple and as easily accomplished as possible. At this point some loose leaf binding seems advisable (plastic, notebook, metal clips or brads) with revisions being in the form of full page replacements or additions accompanied by a current index each time.

Campus Planning Committee
 March 22, 1967
 Attachment No. 716
 Item No. 3650

M E M O R A N D U M
 from

Office of the Vice President
 for Business Affairs

Texas Technological College
 Lubbock, Texas

To: Miss Evelyn Clewell, Miss Jerry Kirkwood, Date: March 2, 1967
Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick,
Mr. John G. Taylor, Mr. O. R. Downing, and Mr. Howard W. Schmidt
 Subject: _____

In a meeting on March 7, 1967, with Drs. Murray, Pearce and Kennedy and Mrs. Baker and Miss Clewell, the following temporary buildings were approved:

- 1 only - Physics - 2,400 square feet, one large lecture room for 200 students.
- 1 only - Applied Arts - Two labs and four offices.
- 1 only - Speech Department - A classroom and one seminar room for debate, classes and materials and offices for faculty.
- 2 only - General Classrooms - One large classroom of 100 capacity and two classrooms of 50 to 60 each.
- 1 only - Chemistry - For two freshman chemistry laboratories.
- 2 only - English - 14 rooms each for English offices.
- 2 only - Biology Department - For three freshman laboratory rooms and one room for Teaching Assistants.
- 2 only - Mathematics - Since Mathematics requested six and was approved for only two, it will be necessary to check with Miss Clewell for the purposes of the two buildings.
- 1 only - Physics - Radiation Laboratory.
- 1 only - Physical Education for Women - Classrooms and offices.
- 3 only - Music - As the Music Department has requested 4 buildings, it will be necessary to check with Miss Clewell to see which three were approved.

17 Total

Plans must be made immediately to locate the 17 buildings on campus and for the acquisition of the buildings. If they are to be constructed, it will be necessary to order the material and plan for the work force.

Miss Kirkwood is requested to record the action in the Campus Planning Committee Minutes.

/s/ M. L. P.

M. L. Pennington
 Vice President for
 Business Affairs

MLP:br

cc: Dr. Grover E. Murray, Dr. W. M. Pearce, Dr. S. M. Kennedy