

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 107

April 3, 1961

A meeting of the Campus Planning Committee was held on Monday, April 3, 1961, at 9:00 a.m. in Room 120 of the Administration Building. Members present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick, Colonel C. P. West and Chairman M. L. Pennington. In addition, Mr. D. M. McElroy was present.

1527. Approval of Minutes

On motion by Mr. Urbanovsky, seconded by Colonel West, the Minutes of Meeting No. 106 were approved.

1528. President's Approval of Minutes

The Chairman reported that the President approved the Minutes of Meeting No. 106 on March 20, 1961.

1529. Agricultural Plant Sciences Building

A. Construction Progress

For all practical purposes, the project is complete.

B. Final Acceptance

Final inspection was originally scheduled during the heavy snow but had to be delayed. The recommendation for a final acceptance date will be presented to the Building Committee on Friday.

C. Equipment

1. Laboratory Tables, Fume Hoods, Etc.

The Brown Showcase & Fixture Manufacturing Company of Lubbock was the low bidder in the amount of \$10,949.00. As it was agreed to accept all alternates, the net amount of the contract is \$9,952.40. The contract has been prepared and sent to the Chairman of the Board for signature.

Due to the fact that the above laboratory equipment will be manufactured rather than purchased as stock items, substantial savings have been effected. However, the delay caused by the preparation of plans and specifications allowed the subcontractor (Anthony and Company of Lubbock), who is to install the equipment, to complete all work on hand and to move off the job. To return to complete the installation, he requested an additional sum of \$250.00 to cover costs which would not have occurred had he been able to complete all work before leaving the site as provided in the contract.

After careful consideration and by majority vote, it was agreed to recommend payment in the sum of \$250.00 to Anthony and Company to cover the costs of moving back to the site. The price was considered justifiable and fair and far more than enough savings were effected to justify the cost.

2. Other

The office furniture is scheduled for delivery on May 1, 1961. Practically all the other equipment is on hand.

D. Millwork Status

The millwork is in process of fabrication at the present time.

1530. Chemical Engineering BuildingA. Construction Progress

Mr. Barrick reported that construction progress is good and the project is entirely closed in.

B. Equipment

No request has been received at the present time.

1531. Creamery Addition

Plans and specifications are complete and out for bids. Bids are due at 2:30 p.m. on April 6, 1961. Bids are anticipated from eight firms.

1532. Classroom-Office BuildingA. Progress Report on Check List1. Sound Transmission

The cost information has yet to be received.

2. Windows

The contractor has yet to complete the calking of the windows.

B. Contractor

The reply finally received from the contractor under the date of March 11, 1961, and Mr. Turner Kimmel's reply to him of March 15, 1961, are attached to and made a part of the Minutes. (Attachment No. 311, page 876)

Mr. Turner Kimmel has received a letter from the bonding company under the date of March 28, 1961, which is attached to and made a part of the Minutes. (Attachment No. 312, page 877)

1533. HousingA. Married Students

1. A letter dated March 21, 1961, from Mr. W. H. Myers of the firm of Wyatt C. Hedrick, Architect-Engineer, is attached to and made a part of the Minutes. (Attachment No. 313, page 878)

A local builder and real estate man has indicated to Mr. McElroy that he plans to build some apartments at the proposed site for married students.

2. Correction

It was agreed to change the statement from 55 months, as shown in the second paragraph of Item No. 1512A, page 856, to 55 weeks.

B. Proposed Residence Hall for Women

Due to the change in time schedule and the information for the Board of Directors, Mr. Barrick has met with the Project Architects several times and discussed the plan developments. The architects are doing general studies, one of which will be for a three-story project and another for five-stories. It was agreed that the Architects will be requested to meet with the CPC on Friday morning to present the studies.

Mr. Urbanovsky presented the developments on the long-range plan as requested. After thorough discussion, it was agreed to present the developments to the Building Committee.

C. Sewer Connection for Proposed New Women's Dormitory

Mr. Urbanovsky reported that the City Manager wishes to talk with him and the Chairman about the problem as soon as possible.

1533. Housing (continued)D. Bathrooms in Bledsoe and Gordon Halls

The bathrooms in Bledsoe and Gordon Halls have been leaking through the floors and walls for some years with resulting damage to the building. Last year two bathrooms in the poorest conditions were retiled.

As the bathrooms need to be renovated badly, bids to retile all the other bathrooms in the building were opened on March 29, 1961, at 2:00 p.m. and read aloud. The low bidder was Art Terrazzo & Tile Company of Lubbock, with a base bid of \$33,759.00. A copy of the bid tabulation is attached to and made a part of the Minutes. (Attachment No. 314, page 879)

After careful consideration, it was agreed to recommend the award of the contract to the Art Terrazzo & Tile Company in the amount of \$33,759.00 to be paid from Residence Halls Funds. Bids were taken at this time so that the contractor would have time to order materials and make plans to start work immediately after the close of the spring term in order to complete the work in time for the halls to be cleaned and ready for the athletes on September 1, 1961. There are 11 large and 1 small bathrooms involved.

1534. LibraryA. Construction Progress

Progress is very good.

B. Time Extension

After consideration, it was agreed to recommend the extension of two days due to the heavy snow on February 20 and 21, 1961. A copy of Mr. Barrick's letter of March 16, 1961, is attached to and made a part of the Minutes. (Attachment No. 315; page 880)

1535. Meats LaboratoryA. Construction Progress

The job is complete.

B. Final Acceptance

The final inspection has been made and the Project Architects have been requested to make a recommendation for a final date of acceptance.

C. Equipment

Everything is on order except the chairs for the tiered classroom.

1536. Mechanical Engineering ShopsA. Equipment

Revised specifications for the milling machine are now out for bids.

B. Final Acceptance

It was agreed to correct Item No. 1515B, Page 858, to show the date of December 19, 1960, rather than 1961.

1537. Other ItemsA. Status of Disposal of Mechanical Engineering Shop Building No. 50

Colonel West reports that he has shown the building to several people but no one is interested in buying it as yet.

1537. Other Items (continued)B. Sale of Buildings Northwest of Meats Laboratory

The CPC agreed to recommend the sale of Buildings Nos. 93 and 94 to Dr. L. A. Storrs, the high bidder, for the sum of \$295.00. A copy of Colonel West's memo of March 21, 1961, is attached to and made a part of the Minutes. (Attachment No. 316, page 881)

C. Head Switch House (Building No. 114)

No offer has been received for the building. It looks as if it may be necessary to pay to have the building razed and removed due to the concrete slab and a few usable materials.

1538. Physical Plant FacilitiesA. Construction Progress

The job is complete.

B. Final Acceptance

The final inspection is scheduled for 1:00 p.m. this afternoon.

C. Equipment

Mr. McElroy presented a list of equipment in the estimated amount of \$9,168.55. The list is attached to and made a part of the Minutes. (Attachment No. 317, page 882)

It was agreed to study the list and make a recommendation at the Friday meeting.

D. Sale of Buildings at the Present Physical Plant Site

The buildings are still being shown but no buyers have been found.

1539. Relocation of Farm FacilitiesA. Dairy Facilities

Plans and specifications are out for bids which are to be opened at 2:00 p.m. on April 6, 1961.

B. Poultry Facilities

After lengthy consideration, it was agreed that Mr. Barrick would proceed with the development of plans within the approved amount of funds as best he can with the information available.

C. Herd Attendants Housing

Plans and specifications are out for bids which are scheduled to be opened at 3:00 p.m. on April 6, 1961.

D. Livestock Facilities

Mr. Urbanovsky reported that a great deal of progress has been made on the development and that the final study will be presented to the CPC on Friday morning of this week.

1540. Rifle Range

There are no developments to report.

1541. Science AdditionA. Construction Progress

The contractor is on the site and excavating at the present time.

B. Ground Breaking

The Ground Breaking Ceremonies were held on March 14, 1961, with several hundred people present on a very fine day. The ceremonies were very good.

1542. Student UnionA. Construction Progress

The contractor is making fairly good progress although weather has caused some delay. Most of the structural frame is in place.

B. Equipment

The equipment studies by the staff of the Student Union are continuing.

C. Automatic Filters

Mr. Barrick reported that a new price of \$11,670.65 has been obtained for the American Blower Automatic Air Filter rather than the \$13,493.00 originally quoted. It is recommended that the extra be added to the contract to be paid from HHFA Funds, if possible.

1543. Track Bleachers

As authorized by the Building Committee of the Board of Directors, a contract was let with the West Texas Steel Erectors in the amount of \$11,799.93 on March 17, 1961. The contract includes a great deal more work than was originally anticipated. Of the sum, \$1,000.00 is to be paid from the Interscholastic League Account and the rest from Stadium Construction Funds.

1544. UtilitiesA. Water Lines and Sprinkler System in Vicinity of the Textile Engineering and Classroom-Office Buildings

Mr. Urbanovsky reported that the water lines and sprinkler system in the vicinity of the Classroom-Office Building are complete and work is being done at the Textile Engineering Building.

B. Six-Inch Line Around Women's Tennis Courts

As soon as the installation is finished at the Textile Engineering Building, work will begin on the six-inch water line at the women's tennis courts.

C. Electrical Installation (Nelson Electric Company)

After very thorough consideration, it was agreed to make final payment to Nelson Electric Company of Lubbock on the original contract of \$83,450.00 plus \$1,256.21, which represents the actual cost of replacing the damaged cable at the Library, less \$1,000.00 to be withheld pending completion of the punch list. The other requested extras will be held pending further study.

It was agreed that final payment will be made to Zumwalt and Vinther only after requested information has been supplied.

1545. Veterinary Science BuildingPost-mortem Room

Plans and specifications are out for bids which are to be opened at 2:30 p.m. on April 6, 1961.

1546. Women's GymnasiumA. Acoustics

The Chairman checked with Dr. Dabney on March 17, 1961, and she confirmed her request that the baffle boards be removed in order to increase the ceiling height and that the fans had improved the acoustics to an acceptable level. Also, Dr. Dabney reported that the acoustics in the basement are much improved.

Colonel West reported that the baffle boards have been removed.

B. Basement

Mr. Mason has been requested to study the problem of air in the basement.

M. L. Pennington
Chairman

The meeting adjourned at 12:20 p.m. The next meeting is to be held at 3:30 p.m. on April 6, 1961.

Campus Planning Committee
April 3, 1961
Attachment No. 311
Item 1532B

S. R. DUNCAN
Building Contractor
Lubbock, Texas

8108 Tahoka Highway

March 11, 1961

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

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

Dear Mr. Kimmel:

I received a copy of your letter dated March 9, 1961, addressed to Mr. Mahlon Foster of Maryland Casualty Company in regard to the bond on the above mentioned building. This letter came as a shock to me and I have spent quite some time trying to interpret it and surely hope that I have interpreted it correctly and courteously.

Let me say this - I believe you are approximately six months behind in your knowledge of this job or else I am at a complete loss. At various times, different parties from your office and from Texas Technological College have called us in regard to items that needed to be taken care of and to the best of my knowledge, there has never been any delay in taking care of the items I could control, or else you were advised about them.

I believe item number one for discussion is a letter which you say you sent me registered and you stated was returned to you unopened and noted that Mr. Duncan would not accept it. I would be very happy to verify with all parties concerned and with the Post Office Department that this is not a fact. I pick up my mail daily at the Post Office Box and no such letter was ever in my box to my knowledge. I also read a letter that you had written to Mr. Foster stating that you had tried to reach me by phone and had not been able to. It is strange that we are able to operate a business from SW5-1609, which has been one of my telephone numbers for three years and that calls are taken constantly every day at this number. Also, on or about January 30, 1961, in a meeting with you at the above mentioned building, you and I discussed personally where I would be operating from and how you could reach me, yet you state that you had not been able to reach me, but I was operating daily during this period. I just cannot understand how the condition you mentioned existed.

In the first paragraph of the letter to Mr. Foster, you stated that you and people from Texas Technological College have had numerous conversations with me, S. R. Duncan, in regard to the things that needed repairing or replacing and you stated, and I quote from your letter, "To date very few of the items we discussed have been repaired or replaced."

Mr. Kimmel, let me refresh your memory about some facts that I have no hesitancy in stating that you are aware of, and have been aware of, constantly, in regard to the punch list we had furnished us. You also furnished Mr. Foster a copy of the punch list we are discussing.

You are fully aware of the fact that the windows you mentioned have been repaired, because you and I, on or about January 30, discussed with Mr. Bill Felty, an employee of the above College, whether the windows are satisfactory at this time and he stated that they were having no more trouble.

One of the items on the list was loose metal which has been repaired for four or more months.

Also, I believe you and I discussed with Mr. Nolan Barrick some roof leaks that had existed and we had had Texas Roofing Company, the roofing contractor, take care of these leaks and I believe Mr. Barrick told us that to the best of his knowledge we had these leaks repaired satisfactorily. We even went so far as to discuss a vent that was causing part of these leaks.

Regarding the leaks in the window walls, I know that you were aware that Pittsburgh Plate Glass Company, the subcontractor on the glass, to the best of my knowledge, reworked these window walls quite some time ago.

You mentioned the chalkboards on the punch list and I will go back even as far as during construction. This item was discussed with your office on several occasions, but on or about January 30, in our last meeting, we had the painter, Mr. Crawford, from Wichita Falls, in regarding these chalkboards and there was no misunderstanding. It was agreed that the chalkboards were not substantial and would not be substantial until they were reworked due to the fact that these had only two coats of paint specified and might I express here, that in discussing the chalkboards, the chalkboards were painted on the walls and were not factory built chalkboards. But regardless, we did agree, you, Mr. Crawford, Mr. Barrick and I, that there was no way to fix the chalkboards until the end of school, due to the time element that it takes to complete the boards as they need to be. It was also agreed that there would be an understanding with Mr. Crawford as to how to repair the chalkboards and you agreed to obtain and furnish the College with the information that would be necessary to complete the chalkboards.

As to the doors and hardware that you mentioned in the punch list, you were aware at the time you wrote the letter dated March 9, 1961, that we had completely changed all exterior lock cylinders and had adjusted all inside doors in a manner satisfactory to the College.

You also mentioned broken glass on the punch list. We furnished Pittsburgh Plate Glass Company a complete list which had the broken glass on it. They went out and replaced the broken glass and sent me a bill for it in the amount of approximately \$82.00. I went down and discussed this with Mr. Van Sycoc, their representative, and he informed me that glass breakage should not appear on a one-year guarantee punch list. I immediately picked up the phone and called your office and you were out. I discussed this with Charles Harper, who has been a constant employee of yours and who constantly inspected the above job and he readily agreed that this glass should not have been shown on the one-year punch list and that I should not have to pay for it, that the College should pay for this glass breakage. Mr. Van Sycoc listened in on this conversation with Mr. Harper. Mr. Harper stated that he would make it all right with the College for them to pay this bill and there was no question in his mind that it was their bill, therefore, I discontinued this item as he had advised me it was not an item that I should have to contend with.

In our meeting on or about January 30, there was a discussion regarding the door holder adjustment valves and you stated to Mr. Barrick and me that you would handle this problem yourself, that you would talk with the hardware supplier and have it taken care of, after I had explained to both you and Mr. Barrick my position regarding this matter.

Another item on the punch list was the replacement of some broken tile and some base that needs to be reglued. I have tried to do this work and have not been able to get in the rooms to take care of this matter, and I believe that all parties involved in the January meeting will verify that we spent the majority of our time that day in waiting to get into classrooms and could not get into them during class periods.

Mr. Kimmel, there is no solution to the floor covering that you mentioned on the punch list and which I discussed with Mr. Harper, your employee, but to repair these floors during a period when there is no school and during a period that we would have sufficient time to take care of this matter. It was my understanding that during Easter holidays was the nearest and quickest period that we could and would have enough time to repair the floors and base and I was surely under the impression that this was satisfactory to everyone.

Mr. Turner Kimmel

Page 3

March 11, 1961

I have no intention of shifting my responsibilities, but I have no intention of assuming any responsibilities other than my own. I believe that I have handled this job, with the conditions that have existed, to the best of my ability, and I believe you have to admit that. Certainly we have had hazardous conditions to cope with constantly. I want to make myself clear and plain at this time, that I have never at any time stated or intentionally indicated that I would not take care of any item that was required that I take care of under my contract. I believe that your letter to Mr. Foster was completely unfair to the bonding company. I believe also that it was completely unfair to me and to my company. I do not believe you have any reason to write this letter and I believe when you actually sum it down to bare facts and bare facts only, that your failure to keep up to date or your failure to acknowledge being up to date is and has been the basic background of the trouble you mentioned in your letter to Mr. Foster.

But again, let me state to all parties involved, that I have never, and do not have at this time, but one intent, and that is to be fair and square to all parties, including myself, in fulfilling this contract satisfactorily to all parties, including myself. Again, I offer my willingness and cooperation in bringing this job to a satisfactory close for everyone concerned.

S. R. DUNCAN

/s/ S. R. Duncan

S. R. Duncan

SRD:js(d)

cc: Mr. Nolan Barrick
Mr. Marshall Pennington
Mr. Mahlon Foster
Mr. C. G. Whyburn
Mr. Jess Connell

THE BUTLER-KIMMEL COMPANY
Lubbock, Texas

412 Avenue M

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

R. Turner Kimmel, A.I.A.

March 15, 1961

Mr. S. R. Duncan
Box 1347
Lubbock, Texas

Re: Classroom-Office Building
Texas Technological College

Dear Mr. Duncan:

Am in receipt of your letter dated March 11, 1961.

Our only request is that this work be accomplished as soon as possible. We appreciate your position and your desire to complete this work.

As requested before, please let this office know when this work is in progress so that we can keep our client informed of this progress and have a representative present as the items are completed.

Very truly yours,

THE BUTLER-KIMMEL COMPANY

/s/ R.T.K.

R. Turner Kimmel, A.I.A.

cc - Mr. Marshall Pennington
Mr. Nolan E. Barrick
Mr. Mahlon Foster

Campus Planning Committee
April 3, 1961
Attachment No. 312
Item 1532B

M A R Y L A N D C A S U A L T Y C O M P A N Y

William T. Harper, Chairman
of the Board and President

Lubbock Office
El Paso Claim Division

1606 Avenue "N" Lubbock, Texas

March 28, 1961

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

61 - 2 LUB
Re: Classroom-Office Building
Texas Technological College

Dear Mr. Kimmel:

We acknowledge receipt of your letter of March 9, attached to which was copy of your letter dated February 4, addressed to S. R. Duncan & Associates, and what appears to be a punch list in connection with the Classroom-Office Building, Texas Technological College, Lubbock, Texas.

Our Principal is a substantial and responsible contractor and we have every confidence that he will be able to handle and satisfy a matter such as this without recourse to the Surety.

Very truly yours,

/s/ Mahlon Foster

Mahlon Foster
Manager

MF/cw

cc: Mr. S. R. Duncan
Box 1347
Lubbock, Texas

Campus Planning Committee
April 3, 1961
Attachment No. 313
Item 1533A

WYATT C. HEDRICK
Architect-Engineer
P. O. Box 765 - Fort Worth, Texas

March 21, 1961

RE: Job No. 5911
Married Students Apartments
Texas Technological College
Lubbock, Texas

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

Dear Mr. Pennington:

I had a telephone call from Mr. Edward Morgan in California, who is going to be the new owner of the site for the above project. He informed me that he felt within a few days he would have a clear title to the two blocks formerly owned by Dr. Maddox of Amarillo.

Mr. Morgan also advised that he is still interested in building the apartments for the married students of Texas Tech. He has asked me to advise you and the other officials of Texas Tech that this proposed project will go ahead at an early date if all details can be worked out economically and feasibly. He also expects to be in Texas in about two weeks. I hope at that time he will visit Lubbock and will have an opportunity to visit with you.

Kindest personal regards,

Very truly yours,

WYATT C. HEDRICK

/s/ Bill

W. H. Myers

WHM:ne(g)

Campus Planning Committee
April 3, 1961
Attachment No. 314
Item 1533D

CERAMIC TILEWORK IN GORDON HALL AND BLEDSOE HALL
TEXAS TECHNOLOGICAL COLLEGE
2:00 p.m., CST
Wednesday, March 29, 1961
Room 120, Administration Building

Contractor	Base Bid	Alternate #1	Alternate #2	Comp.	Bid Security
Architectural Tile Co.					
Art Terrazzo & Tile Co.	33,759.00	DEDUCT 3,879.00	DEDUCT 9,890.00	80 Days	
Wisdom Marble & Tile					
West Texas Tile	34,971.00	DEDUCT 1,976.50	DEDUCT 8,215.00	89 Days	

Campus Planning Committee
April 3, 1961
Attachment No. 315
Item 1534B

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

Office of the Supervising
Architect

March 16, 1961

Mr. M. L. Pennington
Vice President
and Comptroller

Re: New Library Building

Dear Mr. Pennington:

Enclosed herewith you will find four copies of a request for an extension of time in the amount of two days covering the period of 20 and 21 February 1961 when the referenced project was completely closed down due to a very heavy snowfall.

I have checked this matter with Mr. Dick Phelps, the architect's representative on the job, and he verifies the fact that no work was accomplished due to the weather conditions. We would, therefore, recommend that an extension of two days be granted, and we would appreciate it if you would acknowledge and return the attached forms to this office for proper distribution.

Very truly yours,

/s/ Nolan E. Barrick

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

NEB:mc(d)

Campus Planning Committee
April 3, 1961
Attachment No. 316
Item 1537B

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

Building Maintenance
and Utilities

March 21, 1961

M E M O R A N D U M

TO: Mr. M. L. Pennington

SUBJECT: SALE OF SURPLUS BUILDINGS

I have attempted to sell the following buildings since January 1961 and have shown these buildings to four prospective buyers:

Building #93, Implement Barn

Carrying value - - \$432.00 High Bid - - \$55.00

Building #94, Quonset Hut - Barn

Carrying value - \$2,575.00 High Bid - \$240.00
(Docket Item)

Two bids were received for the above buildings. The high bid being \$295.00 and the other bid \$280.00.

It is recommended that these buildings be sold to the high bidder as this area should be cleared for site grading as it is adjacent to the New Meats Lab.

/s/ C. P. West

C. P. West
Director

CPW:ft(d)

Campus Planning Committee
 April 3, 1961
 Attachment No. 317
 Item 1538C

PHYSICAL PLANT FACILITIES

The following equipment list represents the second phase of equipment requirements for the Physical Plant Facilities. The first phase represented only those items absolutely necessary to accomplish the transfer of inventories from the old facilities. This phase will provide the equipment necessary to the efficient performance of the functions with which the respective departments are charged.

<u>Central Warehouse</u>				
<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Estimated Unit Price</u>	<u>Total Price</u>
1	Adding Machine, manual, Burroughs, (Style #90701)	1	\$ 130.00	\$ 130.00
2	Bookcase, wood (to be built to specifications by Building Maintenance)	1	50.00	50.00
3	Calculator, electric, Friden, dial type, fully automatic	1	750.00	750.00
4	Stand, calculator, portable, metal	1	40.00	40.00
5	Chair, straight, oak, (side chair)	6	11.00	66.00
6	Chair, swivel, with arms, Bank of England	4	5.00	20.00
7	Desk, secretarial, right	1	15.00	15.00
8	Desk, executive, 36" x 60"	2	15.00	30.00
9	File, legal size, 2 drawer, green	1	65.00	65.00
10	Table, oak, 36" x 60"	1	15.00	15.00
11	File, letter size, 4 drawer	3	62.50	187.50
12	Register, sales ticket, 8½" x 8½"	2	31.40	62.80
13	Typewriter, IBM, 20" carriage, electric	1	390.00	390.00
14	Linedex Card Holder	1	250.00	250.00
15	Pipe Rack, Lyon #3710 & #3711, 18' long	5	338.05	1,690.25 - ?
16	Storage Rack for glass	1	100.00	100.00
17	Nail Bin, revolving, 7 shelf, Lyon #3950	1	112.65	112.65
18	Platform Scale	1	85.00	85.00
19	Service Cart, Lyon #3033, 2 shelf	2	28.90	57.80
20	Glass Cutting Machine, Fletcher	1	96.04	96.04
21	Pallet, 3' x 4' (to be built by Building Maintenance)	100	3.00	300.00
22	Rack for shovels, rakes, handles, etc. (to be built by Building Maintenance)	1	60.00	60.00
23	Platform, portable, for lumber bin	1	160.00	160.00
24	Rack for molding, hardwood, etc. (to be built by Building Maintenance)	1	87.00	87.00
25	Commercial Vacuum Cleaner	1	250.00	250.00
Subtotal - - - - -				\$5,070.04

Custodial Department

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Estimated Unit Price</u>	<u>Total Price</u>
26	Aluminum "Stop-Step" Ladder	1	\$ 125.00	\$ 125.00
27	Desk, Double pedestal	1	25.00	25.00
28	Swivel chair	2	35.00	70.00
29	Bookcase (same as Adm. Bldg. remodeled)	3	50.00	150.00
30	Secretarial chair	1	35.00	35.00
31	Special working table (for office equipment)	1	50.00	50.00
32	Straight oak chairs	9	11.00	99.00
33	Johns Manville chalkboards installed (dark green) 48" x 96"	2	75.00	150.00
34	Aluminum chalk tray	1	15.00	15.00
35	Folding tablet arm chair	25	16.00	400.00
36	Folding chair	50	4.50	225.00
37	Projection screen, 70" x 70". self contained	1	60.00	<u>60.00</u>
	Subtotal- - - - -			<u>-\$1,404.00</u>

Grounds Maintenance Department

38	Tables, oak, 32" x 60"	2	30.00	60.00
39	Chairs, oak	6	20.00	120.00
40	Bookshelf, estimate Bldg. Maintenance	1	31.30	31.30
41	Valve Refacing Machine, Sioux Model 645L	1	400.00	400.00
42	Valve Seat Grinder Set, Sioux Model 172BB	1	200.00	200.00
43	Drill Press, bench type, $\frac{1}{2}$ H.P. Motor, Welk Machinery Co. #1216-21-WT15	1	200.00	200.00
44	Grinders, bench type, Black & Decker #587; 6"	2	68.00	136.00
45	Shop Jack, Black Hawk #ST-25	1	97.00	97.00
46	Chair, revolving arm	1	45.00	45.00
47	Chair, straight with arms, oak	9	22.00	198.00
48	Bookcases (to be constructed by Bldg. Maintenance-Bldg. Maint. Estimate)	2	31.30	62.60
49	Filing Cabinet, 3-drawer, letter size	2	55.00	110.00
50	Filing Cabinet, 2-drawer, letter size	2	55.00	110.00
51	Plan rack and shelves (to be constructed by Building Maintenance - Est.)	1	70.21	70.21
52	Stack Roll File Units #SRF-48	16	8.25	132.00
53	Top and Base #BT-48	2	8.25	16.50
54	Stack Roll File Units #LRF-48	2	22.95	45.90
	Subtotal- - - - -			<u>-\$2,034.51</u>

Traffic Security Department

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Estimated Unit Price</u>	<u>Total Price</u>
55	Desk, secretarial, double pedestal	2	\$ 25.00	\$ 50.00
56	Office tables, 60" x 36"	3	70.00	210.00
57	Swivel chair	1	45.00	45.00
58	Letter size files, 5-drawer	3	65.00	195.00
59	Office chairs	10	16.00	<u>160.00</u>
	Subtotal- - - - -			<u>\$660.00</u>
	GRAND TOTAL - - - - -			<u>\$9,168.55</u>

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 108

April 6, 1961

A meeting of the Campus Planning Committee was held on Thursday, April 6, 1961, at 3:30 p.m. in Room 120 of the Administration Building. Members present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick, Colonel C. P. West, and Chairman M. L. Pennington. In addition, Dean Gerald W. Thomas, Mr. Robert L. Mason and Mr. D. M. McElroy were present.

Mr. Mason remained until 5:20 p.m. and Dean Thomas until 5:45 p.m.

1547. Agricultural Plant Sciences Building

A. Time Extension

The original completion date was December 18, 1960. Justified time extensions in the amount of 38 days have been granted. The architects have recommended an additional 26 days for further extreme weather and have documented the recommendation with complete weather reports.

After consideration, the CPC voted to recommend the additional 26 days time extension, which would set the completion date on February 20, 1961, if approved.

B. Final Acceptance

The architects recommended the final acceptance date as of March 17, 1961.

After consideration, the CPC voted to recommend the date of March 17, 1961 for final acceptance as that was the date scheduled for the final inspection. However, the weather turned so bad that it was impossible to make the inspection for several days. The inspection showed that the building was in good shape and all items on the punch list were corrected promptly. The inspection was conducted in keeping with the operating procedures of the CPC for final acceptances.

C. Liquidated Damages

In view of the completion date of March 17, 1961, an additional 25 days were required after the adjusted completion date of February 20, 1961. It is recommended that liquidated damages for 25 days at \$50.00 per day, the amount specified in the contract, be withheld from the final payment to the contractor.

1548. Creamery Addition (Milk Receiving Facility)

A. Budgeted Amount

The amount of \$15,000.00 had been estimated as the cost. There was no formal budget.

B. Contract Award

Bids were opened and read aloud at 2:30 p.m. on April 6, 1961, in Room 220 of the Administration Building in the presence of 31 interested persons. A copy of the bid tabulation is attached to and made a part of the Minutes. (Attachment No. 318, page 889)

1548. Creamery Addition (Milk Receiving Facility) (continued)B. Contract Award

After consideration, the CPC voted to recommend a contract award to W. B. Abbott and Company, Inc., the low bidder, in the amount of \$15,345.00, the amount to be paid from the Unappropriated Balance, and that the Chairman be authorized to sign the contract. It was further recommended that the alternate not be accepted as it would add to the maintenance cost and detract from the appearance of the building.

1549. HousingA. Proposed Residence Hall For Women1. Studies

The architects are to present their studies to the CPC at 9:00 a.m. on April 7, 1961 and to the Building Committee at 4:00 p.m. on April 7, 1961.

2. Sewer Connections

A copy of the recommendation from the City Manager is attached to and made a part of the Minutes. (Attachment No. 319, page 890) (It is impossible to include the maps that were attached to the report but the proposals will be shown on the maps presented to the Building Committee and the Board.)

B. Renovation of West Hall for Women

In order to have West Hall ready for women in September, 1961, a good bit of work is needed but only the painting and, perhaps, the installation of the shower stall partitions will need to be contracted. It will be very advantageous to place the contracts in time for the contractors to order their materials and make plans to start work as soon as school is out in the spring. Otherwise, there will be many additional problems, winding up with the final cleaning of the hall for occupancy.

After consideration, it was agreed to request permission to take bids as soon as plans and specifications can be prepared and to award the contract, after bids are taken, either by the CPC within prescribed amounts or the Building Committee.

1550. Meats LabA. Final Acceptance

The original completion date was March 24, 1961. The architects recommended a final acceptance date of March 30, 1961. The final inspection has been made in keeping with CPC procedures. The items on the punch list were promptly corrected. The building is in very good shape and ready for occupancy when desirable.

After consideration, the CPC voted to recommend the final acceptance date of March 30, 1961.

B. Liquidated Damages

The contractor was due 7 days at the start of the project due to the owner's failure to clear the site when stipulated and there have been many days of adverse weather that could have been added. The final acceptance date of March 30, 1961 is far in advance of an adjusted acceptance date based on justifiable time extensions.

1551. Physical Plant FacilitiesA. Final Acceptance

The original completion date was April 1, 1961. The final inspection has been made in keeping with the approved CPC policies. The facilities have been found to be in good shape and the items on the punch list were corrected promptly.

After consideration, the CPC voted to recommend that the shops, warehouse, and office building be accepted as of April 3, 1961, and the Press as of April 10, 1961. There are still a few items remaining on the punch list for the Press but all will be cleared not later than April 10, 1961.

B. Liquidated Damages

It was recommended that no liquidated damages be charged as the contractor was only a few days behind the original completion date and he could justifiably claim as much as six weeks for time extensions due to severe weather.

C. Equipment

After consideration, the CPC voted to recommend the list attached to the Minutes of Meeting No. 107, Attachment No. 317, page 882, on a "not to exceed and cut where possible" basis.

D. Extra for Press Pit

The Goss Printing Press is the largest and chief piece of equipment in the entire press operation and it is highly advisable to attach the motor to the lower side of the machine rather than to the side.

It was agreed to recommend an extra to the contract in the amount of \$1,725.00 to enlarge the pit to allow the underside installation in keeping with plans and specifications prepared by the Manager of the Press, the Supervising Architect and the Project Architect.

1552. Relocation of Farm FacilitiesA. Dairy Facilities1. Amount Budgeted

No specific amount had been budgeted but the estimated cost was from \$55,000.00 to \$65,000.00.

2. Contract Award

Bids were opened and read aloud at 2:00 p.m. on April 6, 1961, in Room 220 of the Administration Building in the presence of 31 interested persons. A copy of the bid tabulation is attached to and made a part of the Minutes. (Attachment No. 320, page 891)

After consideration, the CPC voted to recommend a contract award to the C. M. Pharr Construction Company of Lubbock, the low bidder, in the amount of \$40,800.00, the amount to be paid from Constitutional Building Amendment Funds, and that the Chairman be authorized to sign for the Board. It was further recommended that no alternates be accepted.

The low bidder did not bid on the alternate for the red tile roof. However, the low bid received for the red tile roof was \$6,500.00.

1552. Relocation of Farm Facilities (continued)A. Dairy Facilities3. Contractor's Request for Approval of Error in Bid Tabulation

At 4:05 p.m., Mr. Pharr requested permission to enter the meeting with one of his employees and the permission was granted. They stated that there was an error in the amount of \$12,024.00 in their bid and that it was caused by a mechanical error in tabulation. Their original figures and tabulation sheets were presented to support the claim. If tabulated properly, they reported that the bid would have been \$52,824.00, which would have been next to the high bid. Mr. Pharr stated that he would like to correct the error and thereby become next to the high bidder.

The bidding process was explained to them, the fact that the contractor on the Chemical Engineering Building had made an error and that his request to correct it was declined, and that only the Board could waive the error. Mr. Pharr was of the opinion that he would prefer to forfeit his bid bond than to undertake the contract. As there was not a great deal of difference between the low and next to low bids, Mr. Pharr agreed to take back his figures and reconsider his problem overnight and to present his request as soon tomorrow as possible, but not later than 4:00 p.m.

They left the meeting at 4:25 p.m.

B. Herd Attendants Housing1. Amount Budgeted

There was no formal amount set for the budget but the estimated cost was \$20,000.00 without the brick veneer which was added at the request of the Board.

2. Contract Award

Bids were opened and read aloud at 3:00 p.m. on April 6, 1961, in Room 220 of the Administration Building in the presence of 31 interested persons. A copy of the bid tabulation is attached to and made a part of the Minutes. (Attachment No. 321, page 892)

After consideration, the CPC voted to recommend a contract award to H. C. Lewis of Lubbock, the low bidder, in the amount of \$22,843.00, the amount to be paid from the Constitutional Building Amendment Funds, and that the Chairman be authorized to sign the contract.

C. Livestock Facilities1. Sewer System

The proposal of the City to handle the sewage was discussed again and in more detail. The cheapest original outlay for the College, if one of the City's proposals were accepted, would be to accept the package disposal unit. The College would be required to run the lines to the unit and would have to provide additional lines and pumps to use the water for irrigation. The College would have to pay the operating expenses which would not be very great. However, the use of the effluent would be quite a problem. During the winter when there would be the least need, the maximum amount of effluent would be available, but during the summer when the need would be the greatest, there would be the least amount of effluent.

1552. Relocation of Farm Facilities (continued)

C. Livestock Facilities

1. Sewer System

If one of the proposals had to be accepted, the expenditure, if it had to be made, to run the line to northern boundary of the College property on Erskine Road would seem to be the most justifiable as the City would handle the sewage and the College could still get back what it needed through the original offer of the City.

If the sewer problem is not solved in the next six months, it will be necessary to make some temporary arrangements to accommodate the sewage at the new site for farm facilities. A grease trap would be required as well as a septic tank.

It was agreed that the sewer system for the relocated facilities would have to be held in abeyance until master plans for the system are known. The problem is to be discussed with the Building Committee and additional studies are recommended.

2. Other Facilities

The proposed facilities for pens, barns, housing, fences, feeding, etc., were discussed at length. It was agreed that the better solution seemed to be to use as many prefabricated metal buildings as possible. The time schedule almost necessitates that the facilities be available next September, if at all possible. In order to have the facilities available at that time, it would be necessary to present bids to the Board at the May meeting.

After a very great deal of discussion, it was agreed to present the layout to the Building Committee with estimated cost figures and request permission to secure bids for presentation at the May meeting, providing that the costs would be within the approved amounts.

1553. Veterinary Science Building

A. Post-mortem Room

1. Amount Budgeted

No formal amount had been set but the estimated cost was \$12,000.00. However, the location had to be changed after the estimate was made and some mechanical equipment was added.

2. Contract Award

Bids were opened and read aloud at 2:30 p.m. on April 6, 1961, in Room 220 of the Administration Building in the presence of 31 interested persons. A copy of the Bid tabulation is attached to and made a part of the Minutes. (Attachment No. 318, page 889)

As the low bid was \$23,200.00 and after careful consideration, the CPC voted to recommend that the bids be rejected as the amount is more than the College can justify for the project. It was further recommended that a new try be made with bids to be presented to the Board at the May meeting. The operation of the Meats Lab depends on the project.

1554. Walks, Drives and StreetsA. Agricultural Plant Sciences

The proposed plans for walks in front of the project were studied and it was agreed to recommend that an extra be added to the contract with Elmer Calhoun of Lubbock in the amount of \$1,434.00 for 2,085 square feet of 4" walk at \$.3425 and 1,760 square feet of 5" reinforced walk at \$.4090. The unit prices are the best that have been obtained in the past ten years at Texas Tech.

B. Street Repairs

The street surfaces have been damaged to the extent that more repairs than those that the Grounds Department has been able to make must be done in order to protect the base. It will not be possible to wait for money to be obtained from the Legislature and available next September. Some measures must be taken to save as much surface as possible and, perhaps, with the appropriation for the next biennium, the streets can be restored to good condition.

A thorough check has been made with the City and contractors to determine the proper steps to take. The results indicate that a roller and asphalt distributor, with the use of an air compressor on hand, comprise the best and most economical methods of saving the streets for the time being.

After careful consideration, the CPC voted to recommend that an appropriation be made from the Unappropriated Balance in the amount of \$8,137.00 for the following equipment, labor and materials to repair the street surfaces from May 1, 1961 to August 31, 1961:

Equipment

3 ton roller	\$3,500.00
Asphalt distributor	1,000.00

Labor

Two men (one at \$275.00 per month and one at \$200.00)	2,375.00
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Materials

Asphalt (5,500 gallons at 15¢)	825.00
Gravel and Rock (125 cubic feet at \$3.50)	<u>437.50</u>
Total	<u>\$8,137.50</u>

The equipment will last for many years and provide a means to spot repair streets before they become badly damaged.

M. L. Pennington
Chairman

The meeting adjourned at 6:15 p.m. with the next meeting to be held at 9:00 a.m. in the morning with the architects.

Campus Planning Committee
 April 6, 1961
 Attachment No. 318
 Item 1548B
 Item 1553A(2)

TABULATION OF BIDS
 MILK RECEIVING FACILITIES AND POST MORTEM FACILITIES FOR
 TEXAS TECHNOLOGICAL COLLEGE
 LUBBOCK, TEXAS

Time: 2:30 p.m., C.S.T.
 Date: April 6, 1961

OFFICE OF THE
 SUPERVISING ARCHITECT
 TEXAS TECHNOLOGICAL COLLEGE
 LUBBOCK, TEXAS

NOLAN E. BARRICK, A.I.A.

BIDDER	NUMBER OF DAYS	ADDENDUM NUMBER 1	BASE PROPOSAL "A" Milk Receiving Facilities	BASE PROPOSAL "B" Post Mortem	ALTERNATE #1 Omit structural glazed tile, Milk Receiving Deduct from Base Bid "A"	ALTERNATE #2 Omit structural glazed tile, Post Mortem Deduct from Base Bid "B"
W. B. Abbott	180	X	\$15,345.00	\$23,872.00	DEDUCT \$375.00	DEDUCT \$500.00
L. T. Foster			NO BID	NO BID		
W. E. Goble			NO BID	NO BID		
Knox and Gailey			NO BID	NO BID		
H. C. Lewis	145	X	16,300.00	23,745.00	DEDUCT 312.00	DEDUCT 405.00
Carl E. Maxey	100	X	18,322.00	27,326.00	DEDUCT 570.00	DEDUCT 747.00
Cecil Pharr	Not Spec.	X	16,450.00	23,895.00	DEDUCT 295.00	DEDUCT 395.00
Ray-Lee Constr. Co.			NO BID	NO BID		
Hammock Bros.	170	X	15,878.00	23,200.00	DEDUCT 575.00	DEDUCT 770.00

Campus Planning Committee
April 6, 1961
Attachment No. 319
Item 1549A(2)

SANITARY SEWER SERVICES
TO
TEXAS TECHNOLOGICAL COLLEGE
LUBBOCK, TEXAS

MARCH 15, 1961

ENGINEERING DEPARTMENT - CITY OF LUBBOCK
JOHN T. HICKERSON - DIRECTOR OF PUBLIC WORKS

PRESENT SERVICE

The sanitary sewer service to Texas Tech now is furnished through six lines -- five of them flow from College Avenue eastward and the sixth flows south from 19th Street and Canton Avenue.

The general area of the campus that lies north of the Broadway entrance is served through an 8 inch line on a .25% grade in the alley north of 9th Street and in a 10 inch line on a .35% grade flowing east in 9th Street. The 8 inch line in the alley north of 9th Street reduces to a 6 inch line on a .3% grade from the manhole east of Avenue U. This line also serves the adjacent residences and the line is overloaded during both the morning and evening peak flow periods.

Measurements made in January 1958 of the 10 inch line in 9th Street indicated that the line was flowing 85% capacity at peak flow and was rejected as a possible solution to service at that time. With expansion on the campus since early 1958, the line is now flowing at full capacity at peak flow periods.

That part of the campus south of Broadway is served through two 6 inch lines in the first two alleys south of Broadway and through a 10 inch line in 16th Street. The two 6 inch lines are on a minimum grade of .4% in the block east of College Avenue and each has a capacity of only 150 gallons per minute flowing full. The 10 inch line in 16th Street is on a .25% grade and has a full capacity of about 450 gallons per minute. This line serves all the area between 15th Street and 19th Street from College Avenue to Avenue Q, and between Broadway and 19th Street from Avenue Q to Avenue N and flows full at peak flow periods. No additional capacity is therefore available in this area.

The only other line serving the Tech Campus is a 10 inch line in Canton Avenue. This line has a capacity of about 500 gallons per minute. Measurements taken at 24th Street and Canton Avenue on March 9 and 10 of this year indicate the line is flowing about 95% of capacity at the peak flow. The two new men's dormitories were served from this 10 inch line by an extension made in 1958. Since that time some of the new classroom buildings have been tied into this service but, since the peak flow from the dormitories passes from 8:00 to 8:25 A.M. and from 8:00 to 8:30 P.M., the additional flow from the classrooms does not contribute appreciably to this peak flow. Any additional dormitory service through this line is impossible.

When the extension was made in 1958, the city informed the College that no additional sewer service was available and other means of service would have to be considered for future dormitory expansions.

FUTURE SERVICE

Three possible solutions to the problem have been studied. The first would be to install an additional trunk main to serve the proposed expansion on the campus. Since no main capacity is available near enough to serve the campus, a trunk main would have to be built to the City of Lubbock treatment plant in the Southeast area of the City. The cost of such a main is estimated to be between \$750,000 to \$1,000,000 and because of this excessive cost, this solution appears impractical.

The second possible solution is for the College to treat its own sewage. In recent years, small package treatment plant units have been developed to a high degree of efficiency and have been used in such places as shopping centers, industrial areas, and residential developments. The treatment of sewage in these "package unit" plants can be accomplished without offensive odors and/or unsightly structures. These can be bought as small complete units and additional units added as the flow increases. The effluent from the plant could be used to irrigate the farm.

The initial unit required would be to serve a population of about 1000 based upon a girls dorm with the proposed enlargement having about 700 students and the dairy buildings having a population equivalent of from 250 to 300 people. A unit to serve a population equivalent of 1000 would cost about \$30,000 and a 12 inch main from the dormitories to the treatment plant would cost about \$13,000. The plant could be located in the low area on the west part of the campus reducing the cost of effluent lines for irrigation.

The third possible solution is to construct one trunk main through the campus, beginning near 19th Street and extending north to a lift station near 4th Street and to pump from the lift station to the trunk main to the northwest treatment plant now proposed by the City of Lubbock. About one mile of 15 inch sewer pipe would be required for the trunk main and about two miles of 10 inch or 12 inch pipe would be needed for a main from the lift station to the treatment plant main.

The cost of a complete lift station to serve 1000 population equivalent would be only about \$15,000. The additional cost of a trunk main through the campus would be about \$16,000 plus about \$40,000 for the force main from the lift station to the City's proposed northwest main.

The increased cost in facilities at the City of Lubbock Treatment Plant caused by the added load would be about \$10,000 for equipment and about \$500 per year operational expense. The operational expense of a lift station would be only a fraction of the cost of the operational expense of a treatment plant.

CONCLUSION

At the present time all available lines to the College are full during peak flow periods, therefore, some other method must be found for future service. Three other methods were studied and are listed below:

1. An additional trunk main to the Southeast Treatment Plant could be installed. The cost (\$750,000) of such a new main is prohibitive.
2. The College could treat its own sewage. This method offers the advantages of low initial cost (\$43,000) and orderly expansion by adding additional units as needed.
3. A lift station could be constructed with the necessary mains to pump to the City's proposed Northwest Treatment Plant. The initial cost (\$71,000) is higher and operating expenses are moderate. The capacity of such an arrangement would be limited by the size of the lift (pump) station and the line from this station to the City main.

Campus Planning Committee
 April 6, 1961
 Attachment No. 320
 Item 1552A(2)

TABULATION OF BIDS
 MILKING FACILITIES FOR
 TEXAS TECHNOLOGICAL COLLEGE
 LUBBOCK, TEXAS

Time: 2:00 p.m., C.S.T.
 Date: April 6, 1961

OFFICE OF THE
 SUPERVISING ARCHITECT
 TEXAS TECHNOLOGICAL COLLEGE
 LUBBOCK, TEXAS

NOLAN E. BARRICK, A.I.A.

BIDDER	NUMBER OF DAYS	ADDENDUM NUMBER 1	BASE PROPOSAL	ALTERNATE #1 Tile Roof	ALTERNATE #2 Omit glazed tile floors	ALTERNATE #3 Omit plaster, glazed wall tile	ALTERNATE #4 Omit plaster ceilings
W. B. Abbott	200	X	\$51,309.00	ADD \$6,500.00	DEDUCT \$600.00	DEDUCT \$440.00	DEDUCT \$625.00
H. R. Bundock			N.B.				
W. E. Goble			N.B.				
Hammock Brothers	180	X	45,923.00	N.B.	DEDUCT 300.00	DEDUCT 369.00	DEDUCT 407.00
Knox and Gailey			N.B.				
H. C. Lewis	145	X	44,217.00	ADD 8,243.00	DEDUCT 410.00	DEDUCT 224.00	DEDUCT 657.00
Carl E. Maxey	120	X	54,661.00	N.B.	DEDUCT 607.00	DEDUCT 488.00	DEDUCT 507.00
Cecil Pharr	160	X	40,800.00	N.B.	DEDUCT 400.00	N.C.	DEDUCT 200.00
Ray-Lee Construction Co.			N.B.				

N.B. = No Bid
 N.C. = No Change

Campus Planning Committee
 April 6, 1961
 Attachment No. 321
 Item 1552B(2)

TABULATION OF BIDS
 HERD ATTENDANTS' HOUSING
 TEXAS TECHNOLOGICAL COLLEGE
 LUBBOCK, TEXAS

OFFICE OF THE
 SUPERVISING ARCHITECT
 TEXAS TECHNOLOGICAL COLLEGE
 LUBBOCK, TEXAS

Time: 3:00 p.m. C.S.T.
 Date: April 6, 1961

NOLAN E. BARRICK, A.I.A.

Bidder	No. of Days	Addendum No. 1	Base Proposal
W. B. Abbott	180	x	\$ 26,130.00
L. T. Foster	90	x	25,900.00
W. E. Goble	120	x	26,768.00
Knox and Gailey			No Bid
H. C. Lewis	120	x	22,843.00
Richard Pettyjohn			No Bid
Cecil Pharr	140	x	22,935.00
Ray-Lee Constr. Co.			No Bid

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

AGENDA FOR A JOINT MEETING OF THE BUILDING COMMITTEE
AND CAMPUS PLANNING COMMITTEE AT 4:00 P.M.
IN THE OFFICE OF THE PRESIDENT
APRIL 7, 1961

1555. Agricultural Plant Sciences Building

A. Time Extension

Consider the recommendation of the CPC to grant an additional 26 days due to extreme weather which has been documented with complete weather reports by the Project Architects. If granted, the completion date would be February 20, 1961. The original completion date, December 18, 1960, was extended to January 25, 1961, by an earlier 38-day Board approved extension. ✓

B. Final Acceptance

Consider the recommendation of the CPC to set the final acceptance date as of March 17, 1961, as that was the date scheduled for final inspection. ✓

C. Liquidated Damages

Consider the recommendation of the CPC that liquidated damages for 25 days at \$50.00 per day be withheld from the final payment to the contractor. ✓

D. Equipment

Ratify contract signed by the Chairman of the Board of Directors with Brown Showcase & Fixture Company of Lubbock in the amount of \$9,952.40 for fume hoods, laboratory equipment, etc. The award is in keeping with prior action of the Board of Directors. ✓

House
1556. Boiler (Item No. 1508, Page 854)

Final Acceptance

Consider recommendation of CPC to accept project as of September 1, 1960. No liquidated damages are involved. The project has been substantially complete since May, 1960 with final adjustments made after the boiler was fired up. ✓

1557. Chemical Engineering Building (Item No. 1509C, Page 855)

Time Extension

Consider recommendation of CPC to grant an extension of four days for the extreme weather experienced during the period from January 24, 1961 through January 29, 1961. ✓

1558. Creamery Addition (Milk Receiving Facility)

Contract Award

The estimated cost for the project was \$15,000.00.

Bids were opened and read aloud at 2:30 p.m. on April 6, 1961, in Room 220 of the Administration Building in the presence of 31 interested persons. A copy of the bid tabulation is attached.

Consider the recommendation of the CPC to award a contract to W. B. Abbott and Company, Inc., of Lubbock, the low bidder, in the amount of \$15,345.00, the amount to be paid from the Unappropriated Balance, and that the Chairman be authorized to sign the contract.

✓
N

1559. Housing

750 OK
is flexible
development
repair
schedule
it

A. Proposed Residence Hall for Women

I include it in project, site at suggested location, air conditioning in

1. Studies

Consider studies prepared by Project Architects and presented to CPC. ✓

Long-range Plan

Consider the long-range plan prepared by Mr. Urbanovsky and recommended by the CPC. ✓

3. Sewer Connections

Consider the recommendation from the City Manager (It may be preferable to discuss this item in connection with the livestock facilities under "Relocation of Farm Facilities.") ✓

4. Retile Bathrooms in Bledsoe and Gordon Halls

Consider recommendation of the CPC to award a contract to Art Terrazzo & Tile Company of Lubbock, the low bidder, in the amount of \$33,759.00 to be paid from Residence Halls Funds, to retile and renovate 11 large and 1 small bathrooms in Bledsoe and Gordon Halls. in keeping with plans and specifications prepared by the Supervising Architect. A copy of the bid tabulation is attached. ✓

OK

B. Renovation of West Hall

In order to have West Hall ready for women in September, 1961 a good bit of work is needed but only the painting and, perhaps, the installation of shower stall partitions will need to be contracted.

Consider recommendation of the CPC for permission to take bids as soon as plans and specifications can be prepared and to award contracts after bids are taken either by the CPC within prescribed amounts or the Building Committee. ✓

OK

1560. LibraryA. Time Extension

Consider recommendation of CPC to grant 2 days extension due to heavy snows on February 20 and 21, 1961. OK

1561. Meats LaboratoryA. Final Acceptance

The original completion date was March 24, 1961. Consider the recommendation of the CPC to accept the project on March 30, 1961. OK

B. Liquidated Damages

Consider the recommendation of the CPC that no liquidated damages be charged due to the fact that the contractor was only six days behind the original completion date and would be entitled to far more days for time extensions due to the owner's failure to clear the site when stipulated and for severe weather. OK

1562. Mechanical Engineering Building (No. 1515, page 858)A. Final Acceptance (Reference in CPC Minutes)

Consider recommendation of CPC to accept the project as of December 19, 1960, without liquidated damages. OK

1563. Other ItemsA. Sale of Buildings Northwest of Meats Lab

Consider recommendation of CPC to sell Buildings Nos. 93 and 94 to Dr. L. A. Storrs, the high bidder, for the sum of \$295.00. OK

1564. Physical Plant FacilitiesA. Final Acceptance

The original completion date was April 1, 1961. OK

Consider the CPC's recommendation to accept the Shops, Warehouse and Office Building as of April 3, 1961, and the Press as of April 10, 1961.

B. Liquidated Damages

Consider the recommendation of the CPC that no liquidated damages be charged. The contractor was only a few days behind the original completion date and he could justifiably claim as much as 6 weeks for time extensions due to severe weather. OK

1564. Physical Plant Facilities (continued)

C. Equipment

Consider the recommendation of the CPC to approve the equipment on the attached list at an estimated cost of \$9,168.55 on a "not to exceed and to cut where possible basis."

OK N

OK D. Extra for Grease Pit (1551-D, p. 885)

approved an extra in the amount of \$1,725 to enlarge the Grease Pit to allow attachment of the motor to the underside of the Press.

1565. Relocation of Farm Facilities

A. Dairy Facilities (milking parlor)

1. Contract Award

The estimated cost was from \$55,000.00 to \$65,000.00.

Bids were opened and read aloud at 2:00 p.m. on April 6, 1961, in Room 220 of the Administration Building in the presence of 31 interested persons. A copy of the bid tabulation is attached.

(Before acting on the following recommendation of the CPC, perhaps it would be well to refer to Item No. 2, "contractor's request for approval of error in bid tabulation.")

Consider the recommendation of the CPC to award a contract to the C. M. Pharr Construction Company of Lubbock, the low bidder, in the amount of \$40,800.00, the amount to be paid from Constitutional Building Amendment Funds and that the Chairman be authorized to sign for the Board.

OK N

2. Contractor's Request for Approval of Error in Tabulation

Consider the request of Mr. Pharr to be permitted to correct an error in the amount of \$12,024.00 in the bid tabulation. If he were permitted to correct the bid, he would be the second high bidder and the contract would be awarded to the second low bidder.

Mr. Pharr called on the morning of 4-7-61 and asked to see the bid request for approval of error.

B. Herd Attendants Housing

The estimated cost of the project was \$20,000.00 without the brick veneer.

Bids were opened and read aloud at 3:00 p.m. on April 6, 1961, in Room 220 of the Administration Building in the presence of 31 interested persons. A copy of the bid tabulation is attached.

Consider the recommendation of the CPC to award a contract to H. C. Lewis of Lubbock, the low bidder, in the amount of \$22,843.00, the amount to be paid from Constitutional Building Amendment Funds and that the Chairman be authorized to sign the contract.

OK

C. Livestock Facilities

1. Sewer System

Consider the proposal of the City for the handling of sewage.

*timothy
115
ditch*

2. Other Facilities

Consider the study prepared by Mr. Urbanovsky and recommended by the CPC. *Second Thomas aided in presentation. Present final specs to Bldg. Comm. between meetings if approved. Take bids to be presented*

N

Take a thermite on m. 24 1/2 to get enough
Mr. (Barney), then throw round down
to the other side for chicken, can be
take out, are place where
can be used - m. 24 1/2

1566. Student UnionA. Automatic Filters

Consider recommendation of the CPC to approve an extra to the contract with the V & N Construction Company of Lubbock, in the revised amount of \$11,670.65, to install the American Blower Automatic Air Filters, the amount to be paid from HHFA funds, if possible.

OK

1567. UtilitiesA. Electrical Installation (Nelson Electric Company of Lubbock)

Consider recommendation of the CPC to approve payment to the contractor in the amount of \$1,256.21 to cover the cost of replacing the damaged cable at the new Library site. The replacement is the College's responsibility.

N OK

1568. Veterinary Science BuildingA. Post-mortem Room

The estimated cost of the project was \$12,000.00.

Consider the recommendation of the CPC that the bids be rejected as the amount is more than the College can justify for the project and that a new try be made, with bids to be presented to the Board at the May meeting.

N OK

1569. Walks and DrivesA. Agricultural Plant Sciences

Consider the recommendation of the CPC that an extra be added to the contract with Elmer Calhoun of Lubbock in the amount of \$1,434.00 for 2,085 square feet of 4" walk at \$.3425 and 1,760 square feet of 5" reinforced walk at \$.4090.

N OK

B. Street Repairs

Consider the recommendation of the CPC to appropriate from the Unappropriated Balance, the sum of \$8,137.00 to the Department of Grounds Maintenance to provide means to spot repair streets before they become badly damaged.

N OK

1570. Seismometer Vault

OK
The Federal Government has requested Texas Tech to become part of a world-wide network of outpost seismometers. The Government would furnish equipment valued at \$125,000.00. The College would be expected to supply the underground vault and it is felt that the advantage to the College would far more than offset the cost of the vault. The operating costs would be very minor. The Government would like to install the equipment about July 1, 1961.

The vault would be 10' x 18' x 6' high inside and would be completely underground. It would be constructed of concrete with waterproofing on the outside. The estimated cost is from \$3,000.00 to \$3,500.00 and should be constructed near the present observatory.

Consider the installation of the vault with funds to come from the Unappropriated Balance. *Expend \$3,500, CAC authorized to award contract.*

Campus Planning Committee
 April 6, 1961
 Attachment No. 318
 Item 1548B
 Item 1553A(2)

TABULATION OF BIDS
 MILK RECEIVING FACILITIES AND POST MORTEM FACILITIES FOR
 TEXAS TECHNOLOGICAL COLLEGE
 LUBBOCK, TEXAS

Time: 2:30 p.m., C.S.T.
 Date: April 6, 1961

OFFICE OF THE
 SUPERVISING ARCHITECT
 TEXAS TECHNOLOGICAL COLLEGE
 LUBBOCK, TEXAS

NOLAN E. BARRICK, A.I.A.

BIDDER	NUMBER OF DAYS	ADDENDUM NUMBER 1	BASE PROPOSAL "A" Milk Receiving Facilities	BASE PROPOSAL "B" Post Mortem	ALTERNATE #1 Omit structural glazed tile, Milk Receiving Deduct from Base Bid "A"	ALTERNATE #2 Omit structural glazed tile, Post Mortem Deduct from Base Bid "B"
W. B. Abbott	180 <	X	\$15,345.00 <	\$23,872.00 <	DEDUCT \$375.00	DEDUCT \$500.00
L. T. Foster			NO BID	NO BID		
W. E. Goble			NO BID	NO BID		
Knox and Gailey			NO BID	NO BID		
H. C. Lewis	145	X	16,300.00	23,745.00	DEDUCT 312.00	DEDUCT 405.00
Carl E. Maxey	100	X	18,322.00	27,326.00	DEDUCT 570.00	DEDUCT 747.00
Cecil Pharr	Not Spec.	X	16,450.00	23,895.00	DEDUCT 295.00	DEDUCT 395.00
Ray-Lee Constr. Co.			NO BID	NO BID		
Hammock Bros.	170	X	15,878.00	23,200.00	DEDUCT 575.00	DEDUCT 770.00

Campus Planning Committee
April 3, 1961
Attachment No. 314
Item 1533D

CERAMIC TILEWORK IN GORDON HALL AND BLEDSOE HALL
TEXAS TECHNOLOGICAL COLLEGE
2:00 p.m., CST
Wednesday, March 29, 1961
Room 120, Administration Building

Contractor	Base Bid	Alternate #1	Alternate #2	Comp.	Bid Security
Architectural Tile Co.					
Art Terrazzo & Tile Co.	33,759.00	DEDUCT 3,879.00	DEDUCT 9,890.00	80 Days	
Wisdom Marble & Tile					
West Texas Tile	34,971.00	DEDUCT 1,976.50	DEDUCT 8,215.00	89 Days	

Campus Planning Committee
 April 6, 1961
 Attachment No. 320
 Item 1552A(2)

TABULATION OF BIDS
 MILKING FACILITIES FOR
 TEXAS TECHNOLOGICAL COLLEGE
 LUBBOCK, TEXAS

Time: 2:00 p.m., C.S.T.
 Date: April 6, 1961

OFFICE OF THE
 SUPERVISING ARCHITECT
 TEXAS TECHNOLOGICAL COLLEGE
 LUBBOCK, TEXAS

NOLAN E. BARRICK, A.I.A.

BIDDER	NUMBER OF DAYS	ADDENDUM NUMBER 1	BASE PROPOSAL	ALTERNATE #1 Tile Roof	ALTERNATE #2 Omit glazed tile floors	ALTERNATE #3 Omit plaster, glazed wall tile	ALTERNATE #4 Omit plaster ceilings
W. B. Abbott	200	X	\$51,309.00	ADD \$6,500.00	DEDUCT \$600.00	DEDUCT \$440.00	DEDUCT \$625.00
H. R. Bundock			N.B.				
W. E. Goble			N.B.				
Hammock Brothers	180	X	45,923.00	N.B.	DEDUCT 300.00	DEDUCT 369.00	DEDUCT 407.00
Knox and Gailey			N.B.				
H. C. Lewis	145	X	44,217.00	ADD 8,243.00	DEDUCT 410.00	DEDUCT 224.00	DEDUCT 657.00
Carl E. Maxey	120	X	54,661.00	N.B.	DEDUCT 607.00	DEDUCT 488.00	DEDUCT 507.00
Cecil Pharr <	160 ²	X	40,800.00 ²	N.B.	DEDUCT 400.00	N.C.	DEDUCT 200.00
Ray-Lee Construction Co.			N.B.				

N.B. = No Bid
 N.C. = No Change

Campus Planning Committee
 April 6, 1961
 Attachment No. 321
 Item 1552B(2)

TABULATION OF BIDS
 HERD ATTENDANTS' HOUSING
 TEXAS TECHNOLOGICAL COLLEGE
 LUBBOCK, TEXAS

Time: 3:00 p.m. C.S.T.
 Date: April 6, 1961

OFFICE OF THE
 SUPERVISING ARCHITECT
 TEXAS TECHNOLOGICAL COLLEGE
 LUBBOCK, TEXAS

NOLAN E. BARRICK, A.I.A.

Bidder	No. of Days	Addendum No. 1	Base Proposal
W. B. Abbott	180	x	\$ 26,130.00
L. T. Foster	90	x	25,900.00
W. E. Goble	120	x	26,768.00
Knox and Gailey			No Bid
H. C. Lewis <i>h</i>	120 <i>h</i>	x	22,843.00 <i>h</i>
Richard Pettyjohn			No Bid
Cecil Pharr	140	x	22,935.00
Ray-Lee Constr. Co.			No Bid

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 109

April 7, 1961

A joint meeting of the Building Committee of the Board of Directors and the Campus Planning Committee was held on Friday, April 7, 1961, at 4:00 p.m. in the Office of the President.

Members of the Building Committee present were Mr. Wilmer Smith and Mr. Harold Hinn. Other Board members who were present at all or some of the meeting were Chairman Wall, Mr. DeBusk, Mr. Wooldridge and Mr. Lindsey.

Members of the Campus Planning Committee present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick, Colonel C. P. West and Chairman M. L. Pennington. In addition, Dr. R. C. Goodwin, Mr. D. M. McElroy, Mr. Robert L. Mason, Dean Gerald W. Thomas and Mr. John G. Taylor were present.

For the discussion of the long-range campus plan and the proposed Residence Hall for Women, Mr. Howard Schmidt, Mr. Hoyse McMurtry and Mr. Bob Messersmith, of the Associated Architects and Engineers, were present.

In order that the results of the meeting of the Board of Directors may be included in the CPC Minutes for record purposes, the action taken by the Board at the meeting on April 8, 1961, will follow that of the Building Committee for each item.

1555. Agricultural Plant Sciences Building

A. Time Extension

Recommended an additional 26 days due to extreme weather which has been documented with complete weather reports by the Project Architects. The recommendation would set the official completion date as February 20, 1961.

(The Board of Directors approved the action.)

B. Final Acceptance

Recommended the final acceptance date as of March 17, 1961.

(The Board of Directors approved the action.)

C. Liquidated Damages

Recommended liquidated damages for 25 days at \$50.00 per day as stipulated in the contract.

(The Board of Directors approved the action.)

D. Equipment

Recommended the ratification of the contract signed by the Chairman of the Board of Directors with Brown Showcase & Fixture Manufacturing Company of Lubbock in the amount of \$9,952.40 for fume hoods, laboratory equipment, etc., in keeping with prior action of the Board of Directors.

(The Board of Directors approved the action.)

1556. Boiler House

Final Acceptance

Recommended the acceptance of the housing as of September 1, 1960.

(The Board of Directors approved the action.)

1557. Chemical Engineering BuildingTime Extension

Recommended an extension of 4 days for extreme weather experienced during the period from January 24, 1961 through January 29, 1961.

(The Board of Directors approved the action.)

1558. Creamery Addition (Milk Receiving Facility)Contract Award

Recommended the award of a contract to W. B. Abbott and Company, Inc., of Lubbock, the low bidder, in the amount of \$15,345.00, the amount to be paid from the Unappropriated Balance, and that the Chairman be authorized to sign the contract.

(The Board of Directors approved the action.)

1559. HousingA. Proposed Residence Hall for Women1. Studies

Recommended the site as indicated at Boston and Nineteenth Street, ^{for} an air conditioned project for 700 to 750 women, and for the architects to consider a multistoried project in the design and development progress report to be presented at the next meeting of the Board of Directors.

(The Board of Directors approved the action.)

2. Long-range Plan

Considered at length the long-range plan presented by Mr. Urbanovsky.

3. Sewer Connections

Considered at length the proposals from the City Manager but felt that additional information would be necessary before making a recommendation.

4. Retile Bathrooms in Bledsoe and Gordon Halls

Recommended a contract award to Art Terrazzo & Tile Company of Lubbock, the low bidder, in the amount of \$33,759.00 to be paid from Residence Halls Funds, to retile and renovate 11 large and 1 small bathrooms in Bledsoe and Gordon Halls, in keeping with plans and specifications prepared by the Supervising Architect.

(The Board of Directors approved the action.)

B. Renovation of West Hall

Recommended that bids be taken as soon as plans and specifications can be prepared for the painting and installation of shower stall partitions, if necessary, and to award contracts after bids are taken either by the CPC within prescribed amounts or the Building Committee.

(The Board of Directors approved the action.)

1560. LibraryTime Extension

Recommended the time extension of 2 days due to heavy snows on February 20 and 21, 1961.

(The Board of Directors approved the action.)

1561. Meats LaboratoryA. Final Acceptance

Recommended the final acceptance date of March 30, 1961.

(The Board of Directors approved the action.)

B. Liquidated Damages

Recommended that no liquidated damages be charged due to the fact that the contractor was only 6 days behind the original completion date and would be entitled to far more days for justifiable time extensions.

(The Board of Directors approved the action.)

1562. Mechanical Engineering BuildingFinal Acceptance

Recommended the final acceptance date of December 19, 1960, without liquidated damages.

(The Board of Directors approved the action.)

1563. Other ItemsSale of Buildings Northwest of Meats Lab

Recommended that Buildings Nos. 93 and 94 be sold to Dr. L. A. Storrs, the high bidder for the sum of \$295.00.

(The Board of Directors approved the action.)

1564. Physical Plant FacilitiesA. Final Acceptance

Recommended the acceptance of the shops, warehouse and office building as of April 3, 1961, and the Press as of April 10, 1961.

(The Board of Directors approved the action.)

B. Liquidated Damages

Recommended that no liquidated damages be charged as the contractor was only a few days behind the original completion date and could justifiably claim as much as 6 weeks for time extensions due to severe weather.

(The Board of Directors approved the action.)

C. Equipment

Recommended the purchase of equipment on the list attached to the Minutes of Meeting No. 107 (Attachment No. 317, page 882) at an estimated cost of \$9,168.55 on a "not to exceed and to cut where possible basis."

(The Board of Directors approved the action.)

D. Extra for Press Pit

Recommended an extra in the amount of \$1,725.00 to enlarge the Goss Printing Press pit to allow attachment of the motor to the underside of the press, the amount to be paid from Constitutional Building Amendment Funds.

(The Board of Directors approved the action.)

1565. Relocation of Farm Facilities

A. Dairy Facilities (Milking Parlor)

1. Contract Award

Recommended contract award to the C. M. Pharr Construction Company of Lubbock, the low bidder, in the amount of \$40,800.00, the amount to be paid from Constitutional Building Amendment Funds, and that the Chairman be authorized to sign for the Board.

(The Board of Directors approved the action.)

2. Contractor's Request for Approval of Error in Tabulation

Mr. Pharr called on the morning of April 7, 1961, and asked to withdraw his request for approval of error.

B. Herd Attendants Housing

Recommended a contract award to H. C. Lewis of Lubbock, the low bidder, in the amount of \$22,843.00, the amount to be paid from Constitutional Building Amendment Funds and that the Chairman be authorized to sign the contract.

(The Board of Directors approved the action.)

C. Livestock Facilities

1. Sewer System

The sewer system which affects the livestock facilities was discussed in connection with the proposed Residence Hall for Women.

2. Other Facilities

The Board considered at length the studies presented by Mr. Urbanovsky and Dean Thomas. The estimated cost for the facilities is \$130,215.00.

Recommended that the CPC present final plans and specifications to the Building Committee of the Board between Board meetings and, if approved, take bids to be presented at the next meeting of the Board for contract awards. Alternate bids are to be taken on metal buildings without the baked enamel finish, where possible.

(The Board of Directors approved the action.)

1566. Seismometer Vault

The Federal Government has requested Texas Tech to become part of a world-wide network of outpost seismometers. The Government would furnish equipment valued at \$125,000.00. The College would be expected to supply the underground vault and it is felt that the advantage to the College would far more than offset the cost of the vault. The operating costs would be very minor. The Government would like to install the equipment about July 1, 1961.

The vault would be 10' x 18' x 6' high inside and would be completely underground. It would be constructed of concrete with waterproofing on the outside. The estimated cost is from \$3,000.00 to \$3,500.00 and should be constructed near the present Observatory.

Recommended that the vault be constructed with funds from the Unappropriated Balance and if the amount is not more than \$3,500.00, the CPC be authorized to award the contract without delay.

(The Board of Directors approved the action.)

1567. Student UnionAutomatic Filters

Recommended an extra to the contract with the V & N Construction Company of Lubbock in the revised amount of \$11,670.65 to install the American Blower Automatic Air Filter, the amount to be paid from HHFA Funds, if possible.

(The Board of Directors approved the action.)

1568. UtilitiesElectrical Installation (Nelson Electric Company of Lubbock)

Recommended payment to the contractor in the amount of \$1,256.21 to cover the cost of replacing the damaged cable at the new Library site.

(The Board of Directors approved the action.)

1569. Veterinary Science BuildingPost-mortem Room

Recommended that the bids be rejected as the amount is more than the College can justify for the project and that a new try be made, with bids to be presented to the Board at the May meeting.

(The Board of Directors approved the action.)

1570. Walks and DrivesA. Agricultural Plant Sciences

Recommended an extra to the contract with Elmer Calhoun of Lubbock in the amount of \$1,434.00 for 2,085 square feet of 4" walk at \$.3425 and 1,760 square feet of 5" reinforced walk at \$.4090.

(The Board of Directors approved the action.)

B. Street Repairs

Recommended an appropriation, from the Unappropriated Balance, in the amount of \$8,137.00 to the Department of Grounds Maintenance to provide means to spot repair streets.

(The Board of Directors approved the action.)

M. L. Pennington
Chairman

The meeting recessed at 6:00 p.m., reconvened at 7:15 p.m. and adjourned at 8:30 p.m.

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 110

May 3, 1961

A meeting of the Campus Planning Committee was held on Wednesday, May 3, 1961, at 2:00 p.m. in Room 120 of the Administration Building. Members present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick, Colonel C. P. West, and Chairman M. L. Pennington. Others present were Mr. D. M. McElroy and Mr. Hoyse McMurtry, Mr. Howard Schmidt and Mr. Bob Messersmith, representing the Associated Architects and Engineers of Lubbock.

1571. Housing

Proposed Residence Hall for Women

The Associated Architects and Engineers have done a good bit of work since the Board Meeting on April 8, 1961, and requested a meeting with the Campus Planning Committee to discuss the developments to date.

The discussion was based on a letter dated May 2, 1961, with attachments. A copy of the letter and attachments are attached to and made a part of the Minutes. (Attachment No. 322, page 901)

The CPC recommendations on the items in the letter are as follows:

1. The statement is in keeping with the understanding of the members of the CPC.
2. The size and arrangements are in keeping with the instructions from the Board of Directors.
3. The statement is in keeping with the understanding of the CPC, with additional study to be made on the parking areas.
4. The CPC agreed.
5. The statement is in keeping with the wishes of the Board of Directors.
6. The arrangements for sewer lines is in keeping with the understanding of the CPC.

The CPC reviewed the schematic floor plans and developments to date. The recommendations on the items in the attachments are as follows:

Budgeted Project

It was agreed that a tentative over-all budget should be developed as quickly as possible. The budget should contain space for approximately 750 women plus the necessary utilities, sidewalks, landscaping, drives, etc. It was agreed that a tentative board and room charge should be calculated as soon as possible.

Air Conditioning Policy

It was the thought that the intent of the Board was to have year around air conditioning and the members of the CPC and the Architects agreed that it would be a much more satisfactory arrangement. It was pointed out that the year around air conditioning would give more freedom of design and room orientation. Space economies could be effected by reducing window sizes and it would be possible for the structure to be closer to 19th Street as the noise factor would be reduced.

1571. Housing (continued)Proposed Residence Hall for WomenResidence Halls

1. It was agreed that it would be good to have study halls if the project can afford it.
2. It was agreed that meetings would be held with members of the Supervisory Staff and Food Service. The recommendations coming from the meetings will be presented to the CPC.
3. It was agreed that the ironing rooms would be desirable but that that a check for feasibility and cost would be made before a decision is reached.
4. It was agreed that the chapel would be advisable, if it can be afforded. It was further agreed that the question would be discussed with the Supervisory Staff.
5. It was agreed that the need for a maid's lounge would be discussed with Mrs. Bates before a recommendation is made.
6. It was agreed that coin operated washers and dryers should be installed in the proposed women's dormitory. There was some question as to whether or not it might be better to have the machines at a location other than the basement. It was mentioned that ventilation should be provided for the room. The architects were requested to discuss the needs with Mr. H. L. Burgess.
7. The method of handling trash in the incinerator was discussed at some length. It was agreed that the Architects will do more work on the installation and that two stacks, one for a trash chute and the other for an incinerator, would be good if the project could afford both.
8. It was agreed that it probably would be advisable to have exterior entrances to the supervisors' apartments but the architects were requested to check with Food Service and Supervisory Personnel.
9. It was agreed that it would be wise to install urinals on one side, to be covered by panels, and to rough in the plumbing for urinals on the other side.
10. The architects are to discuss the number of students a wing legislator is responsible for with Supervisory Personnel.
11. It was agreed that built-in furniture should be employed in the dormitory and, if possible, it is to be simplified and modified.

Dining Hall and Kitchen Facilities

1. The architects were of the opinion that improvement could be made in the dish conveyor belt.
2. The architects are to discuss the dimensions of the aisle behind the serving counter with Mrs. Bates.
3. It was agreed that a refrigerated air conditioning unit should be installed over the dietitian's office area which is near the center of the kitchen.
4. The architects were requested to discuss the zero degree refrigerator with Mrs. Bates.

1571. Housing (continued)Proposed Residence Hall for WomenDining Hall and Kitchen Facilities

5. It was pointed out that it will not be necessary to have trash rooms with the Dempster-Dumpster unit.
6. The architects were requested to check with Mrs. Bates for possible improvements in the kitchen arrangements.

1572. Other ItemsCustodial Warehouse (Building No. 78)

The building has been up for sale for some time and Colonel West reported as follows:

"I have attempted to sell our Custodial Warehouse, Building #78, carrying value \$15,576.71, since 10 March 1961 by contacting previous buyers of our surplus buildings. Only two parties have shown interest in this building and only one bid has been received. This bid is from the Roosevelt Public Schools and the bid is in the amount of \$855.00.

"It is recommended that this bid be accepted as I consider this a fair price for the building since it generally has an unfinished interior. Also the bidder has agreed to clear the site after the removal of the building.

"Plumbing and fluorescent light fixtures have been removed from the building as well as the evaporator for the air conditioning unit which property has an approximate salvage value of \$235.00."

The other party who had expressed an interest has declined to inspect the building. In view of the fact that Roosevelt Public Schools would like to move the building in the near future in order to have it ready at the start of the fall term, the CPC voted to recommend to the Building Committee of the Board that the offer be accepted.

M. L. Pennington
Chairman

The meeting adjourned at 6:05 p.m.

Campus Planning Committee
 May 3, 1961
 Attachment No. 322
 Item 1571

ASSOCIATED ARCHITECTS & ENGINEERS OF LUBBOCK
 3134 Thirty Fourth Lubbock, Texas

Stiles, Roberts & Messersmith
 Sherwood 4-8407

McMurtry & Craig
 Sherwood 4-4342

Schmidt & Stuart
 Porter 5-8881

May 2, 1961

Campus Planning Committee
 Texas Technological College
 Lubbock, Texas

Re: New Dormitory and Dining Facilities for Women
 Texas Technological College

Gentlemen:

Since April 8, 1961, our Association has been proceeding with studies similar to those reviewed with the Board. To conform with the schedule of planning and construction submitted to your Committee in March, we are planning to have a completed preliminary design ready for presentation to the Building Committee of the Board of Directors on or about May 28, 1961. To meet this schedule, we feel we must start the conferences requested herein this week and conclude them by the 13th day of May.

For verification by your Committee, we are listing herein our interpretation of the design program for the referenced facility as approved by the Board of Directors.

1. The location of this project will be in the vicinity of the area immediately west of Boston Avenue and adjacent to 19th Street. It shall be designed to conform with the campus master plan which indicates an east-west drive approximately 580' north of the curb line of 19th Street. This facility should be planned so that another facility of equal size could be located to the west of this property and east of Flint Avenue.
2. The residence halls are to house between 700 and 750 women students. The project will actually be two (2) dormitories with 350-375 students in each with a single kitchen and dining facility to serve the two dormitories.
3. It was deemed desirable to have two major entrances to each residence hall to ease the congestion experienced at other points on the campus. In general it is thought that the parking area for the students' automobiles should be located north of the facility with "pick-up and delivery" parking areas in the vicinity for the two (2) north entrances of the dormitories. An access drive to the south of the facility between the building and 19th Street to serve additional parking areas for "pick-up and delivery" automobiles is agreed to be advisable. This would mean a south entrance to each of the two (2) dormitories should be provided.
4. It was generally agreed that land area should be conserved and that this problem is becoming more critical each year. We are instructed to study residence halls which have story heights of five (5) or six (6) floors (using elevators for vertical traffic) to conserve land use and to incorporate more desirable and shorter corridor lengths.

May 2, 1961

5. It was the unanimous decision of the Board Members present at the April 7, 1961, meeting to design this facility with air-conditioning in the residence halls and in the dining facility. The method by which this can be most satisfactorily accomplished is to be studied and recommendations will be made to the Board at their May meeting.
6. It is understood that the City of Lubbock is unable at the present to furnish sewer lines to serve this new facility. It seems apparent that the facilities that are now tied to the sewer at 19th Street may need to be routed to the north and unless further instructions are given our Association in the near future, our planning will "stub-out" the sewer lines of this facility in the general direction of 19th Street.

Since April 8, we have conducted survey trips through Horn, Weeks, Doak and Thompson Halls at Texas Tech as well as a visit with Mr. Burgess in the Office of Dormitory Reservations in the hope of determining improvements that can be made in this new project. We have these findings recorded for discussion with you as we develop these plans. In addition we have visited the campus at T. C. U. in Fort Worth and at North Texas State University in Denton and have observed numerous women's dormitory facilities, some of which have been occupied for several years and some that are now under construction. In each case we have concentrated our investigation in dormitories that are air-conditioned. We have employed a mechanical engineering firm (Yandell, Cowan and Love of Fort Worth, Texas) which has developed numerous studies for your review with respect to methods of air-conditioning this project.

We have schematic floor plans at this time and are in a position to meet with your Committee. As outlined above, to meet the schedule it will be necessary to meet with the Supervisory Personnel from the Office of the Dean of Women and to also meet with the proper individuals representing the dietitian's staff and custodial personnel. We will need to meet with the maintenance and utilities group shortly thereafter and prime considerations at that particular meeting would be the location of all utilities such as tunnel approach, electrical distribution, water, and refrigeration. We are attaching herewith a list of items we feel should be considered when the above mentioned meetings are held, so that they might be reviewed by those interested prior to our meeting. We are suggesting that these meetings be held at a time when your Committee can be present.

Very truly yours,

ASSOCIATED ARCHITECTS AND ENGINEERS OF LUBBOCK

/s/ Howard W. Schmidt

Howard W. Schmidt, AIA

HWS:al(d)

cc: M. L. Pennington
Nolan E. Barrick
Elo Urbanovsky
C. P. West
D. M. McElroy
Robert Mason

ATTACHMENT TO LETTER FROM ASSOCIATED ARCHITECTS AND
ENGINEERS OF LUBBOCK TO CAMPUS PLANNING COMMITTEE
May 2, 1961

ITEMS FOR IMMEDIATE ADMINISTRATIVE DECISION FOR THE PLANNING OF NEW DORMITORY
AND DINING FACILITIES FOR WOMEN AT TEXAS TECHNOLOGICAL COLLEGE

PROJECT BUDGET:

A detailed project budget must be determined and furnished to us at a very early date in order to define the scope of this design. If there are limitations, we feel they should be known as we prepare this preliminary design presentation to the Board of Directors.

AIR CONDITIONING POLICY:

The design of this air conditioned facility can be greatly influenced by College policy on the operation of the air conditioning equipment. If it is intended to operate the cooling equipment only during specified months each calendar year, room ventilation and orientation will be affected; a policy must be established with respect to the dining hall, etc.

RESIDENCE HALLS:

1. It has been called to our attention that the study hall that has been converted from the old dining hall in Doak Hall is a desired feature in a women's dormitory. We understand that this room is for very quiet study and is open all hours to the students in the hall only, and no "group study" is allowed. We are proposing that there be one such study hall for each of the two new dormitories located conveniently to all rooms in the dormitory. At this time we are proposing a room approximately the size of three bedrooms areas. This room would not be a lounge, and would contain only tables and chairs for study.
2. We have noted that certain dormitories have apartment areas for supervisory adult staff members other than the supervisor's apartment. We are requesting information as to how many apartments other than the supervisor's apartment will be required.
3. It is apparent that the ironing rooms are used when they are provided. We are suggesting that one such facility containing approximately three (3) ironing boards be located on each floor.
4. We understand that the Chapel converted from the ironing room on the first floor of Weeks Hall is a desirable feature. The seating capacity of such Chapel and its proper location should be discussed.
5. A maid's lounge and toilet facilities were provided in the men's dormitories, but do not seem to be provided in the present women's dormitories. The need for this facility should be discussed particularly bearing in mind the possibility that one or both of these new dormitories might be used for men students at some future date and very likely at least one of these dormitories will be occupied by men during the summer months since this will be an air conditioned facility.
6. Our schematic plans now indicate a basement room for coin operated washers and dryers. This item should be discussed with respect to the number of machines desired, based on the present usage.
7. Apparently there have been considerable problems resulting from the present method of handling trash in the incinerator stack. This seems to be a problem on other campuses as well. We are proposing at this time to provide a separate trash chute with larger and more convenient openings on each floor which will handle the daily trash problem but will require maintenance

RESIDENCE HALLS:

7. personnel to transfer the trash at the basement level into the incinerator proper. As to the possibility of a fire in the trash chute, we are suggesting that a sprinkler system designed to spray automatically if a fire should occur be installed in the trash chute. This item will need further discussion with you.
8. It is desirable to have exterior entrances to the supervisors' apartments?
9. Since there is a possibility that these facilities may be used by men students, we are proposing the roughing-in of water and sewer facilities in each toilet area so that urinals might be installed at any future date. We have layouts indicating this approach for your review.
10. In our schematics we are proposing a single room to be used as a wing supervisor's bedroom. We would like to discuss the number of students a wing supervisor is held responsible for and in the event our ultimate design has a different number of students on different floors, what is the College policy for student supervision?
11. We have analyzed the fine constructive criticism of the present dormitory rooms as offered by the Women's Residence Committee and have available several proposed room layouts for your review. The decision on built-in furniture must be made at an early date and of course we understand this to be effected by the method of financing. We are giving prime consideration to sound transmission problems which seem to be a major complaint in the present bedrooms on the campus. We are in a position to discuss this in considerable detail with you.

DINING HALL AND KITCHEN FACILITIES:

1. We understand that one of the major problems in the dining hall is the deep slot at the conveyor belt which makes it difficult for the students to view the belt as they place dirty dishes in the opening. We feel this problem can be solved quite simply by eliminating the thick wall immediately above the conveyor belt. We have prepared drawings to indicate this improvement.
2. It has been observed that the dimension of the aisle immediately behind the serving counter is too narrow to allow traffic back and forth during the serving period for kitchen help who deliver fresh dishes and items of food to replenish the serving counter. It also appears that the pass-through refrigerator containing salads could be located to a better advantage to the front end of the serving lane. We wish to discuss this item with you. Apparently in Weeks Hall a larger dry storage room would be an advantage. It appears to us that if "island shelving" could be provided in the center of this storage area, that this would serve more conveniently and eliminate the stacking large cardboard containers one above another.
3. A refrigerated air conditioning unit over the supervisor's office area would seem to be advisable.
4. The zero degree refrigerator seems to be inadequate and a new dimension for its size should be discussed.
5. Since the College has now incorporated the use of a different type garbage container, we would like to discuss the proper location in the vicinity of the loading dock.
6. Obviously since your personnel has been able to observe by actual use the planning of the new kitchen at Weeks Hall and the two (2) new kitchens for men, we are hoping a list of items of improvement can be presented to us by the dietitian staff.

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 111

May 15, 1961

A meeting of the Campus Planning Committee was held on Monday, May 15, 1961, at 3:00 p.m. in Room 120 of the Administration Building. Members present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick, Colonel C. P. West, and Chairman M. L. Pennington. In addition, Mr. Howard Schmidt, Mr. Bob Messersmith, Mr. Hoyse McMurtry of the Associated Architects and Engineers were present. Mr. D. M. McElroy entered the meeting at about 4:00 p.m. as he had a schedule conflict.

1573. Housing

Proposed Residence Hall for Women

The architects had done a great deal of additional work and submitted the results of the trip to Kinsolving in Austin and the meetings with college personnel as requested. A copy of the report is attached to and made a part of the Minutes. (Attachment No. 323, page 904)

Each of the items on the report was read and discussed at length. The CPC questioned the study halls, extra apartment requested, and single rooms with baths for graduate assistants. The members favor a basement overflow room similar to that in Kinsolving.

The architects had secured a set of the plans of Kinsolving. The plans were studied in detail and the various arrangements discussed.

The architects recommended additional hanging space in the room closets, if possible, as a result of their investigations. They estimated that the cost would run about \$70,000 but it would be desirable if there are funds available.

The architects presented three different layout studies and each was discussed at length.

1. Lowered Dining Room Plan

The plan would provide a more compact unit than the others but would have some difficulties of service that the others would not have. The CPC was of the opinion that the dining room advantages would be offset by other complications. The lounge area would contain only 4,000 square feet. The size of the dining room would be about the same in all three schemes.

After discussion, the CPC was of the opinion that the lowered dining room scheme should be ruled out.

2. Splayed Plan

It would be more on the order of the new Men's Residence Halls and has possibilities. There would be 9,300 square feet in the lounge area.

3. U-Shaped Plan

It has possibilities also and there would be 12,700 square feet of lounge area.

A copy of the tentative budget was presented and discussed in detail. The estimated cost is \$3,421,834.00. It includes ironing rooms, no study halls or study space, one concession location, maids' lounge in the basement of one unit, and washers and dryers in one unit. The architects are working on more hanging space in the closets. A copy of the budget is attached to and made a part of the Minutes. (Attachment No. 324, page 905)

1573. Housing (continued)Proposed Residence Hall for Women

Copies of the questions raised by Mr. Floyd Wooldridge by phone on May 10, 1961, were presented to each one present, discussed, and are to be included in the studies.

The architects requested to meet again with the CPC by Thursday of next week to go over additional developments in order to be ready for the presentation to the Building Committee on May 28, 1961, and the Board of Directors on May 29, 1961.

Many ramifications of the proposed project were again discussed in detail. The CPC was of the opinion that the architects are making good, solid progress on the development of the plans as requested by the Board of Directors.

M. L. Pennington
Chairman

The meeting adjourned at 5:50 p.m. and the next meeting with the architects is scheduled for 2:30 p.m. on Friday, May 19, 1961.

Campus Planning Committee
May 15, 1961
Attachment No. 323
Item 1573

ASSOCIATED ARCHITECTS & ENGINEERS OF LUBBOCK
3134 Thirty Fourth Lubbock, Texas

Stiles, Roberts & Messersmith
Sherwood 4-8407

McMurtry & Craig
Sherwood 4-4342

Schmidt & Stuart
Porter 5-8881

INTER-OFFICE MEMO

DATE: May 10, 1961

Miss Jane Greer - Study of Kinsolving Dorms, Texas University

- (1) Miss Greer's first comment was that their lounge and dining room and auxiliary dining space was used for study hall and their best asset. The auxiliary dining space was divided and girls only studied in one, day or night, and in the second boys and girls or girls and girl's companion from outside the dorm studied. Boys used this area quite a bit, girls always there.
- (2) House 776 girls and 5 adults, with 23 in overflow dorm in fall and space for 4 girls at each of 8 or 10 lounges in fall.
- (3) All built-in furniture in suites and rooms. This has cut down their breakage and abuse tremendously. They have been able to cut down on their depreciation reserve considerably due to the way the furniture holds up. Maid service once a week catches abuse, and item is repaired next day or so and girl is billed immediately.
- (4) Telephone in each room.
- (5) Concession could be bigger.
- (6) Key controlled elevator below 1st floor.
- (7) Keep concession service out of lobby.
- (8) Twenty lounges for study or congregating - Hair dryer each lounge.
- (9) Girls on 5th come to concession on first floor at main lobby.
- (10) Concessions in Blanton cause girls to move and they have closed off area to cut out noise, but noise still there and girls move away from that noise.
- (11) Laundry - 20 - One ironing board only. 1 washer - 1 dryer. Need 3 ironing boards, with space for hanging ironed clothes.
- (12) \$85.00 room and board, central bath - \$87.50 private bath - Furnish pillows, sheets, pillow cases.
- (13) Air-conditioned year round - Temperature controlled.
\$72.50 nonair-conditioned.
- (14) One Supervisor per 5 floors - 776 cut to 4 units.
- (15) Lounge excellent - T. V., study, piano, all under Supervisor - all open and together.
- (16) Close to \$5,000.00 with kitchen equipment (on the basis of their stated cost of approximately \$4,500,000.00 and 800 girls counting those in overflow, it figures \$5,600.00 per student. (Architect says contract \$3,750,000.00 and \$80,000.00 kitchen equipment; \$4,935.00/stud construction cost)

(Tech Men's Dorms Project cost \$4,052.00/stud; Tech Men's Dorms construction cost \$3,350.00/stud.)
- (17) Didn't like basement dining.

Mrs. Carlson, Study of Kinsolving Dorm, Texas University

May 10, 1961

- (1) Would take 2 men 24 hours per day to handle trash at end of school.
- (2) Now trash is put in laundry and carried down to basement and then into incinerator.
- (3) Blanton pilot is off. In the morning they clear chute, then light the trash at the bottom. Girls don't put trash in chute at certain hours.
- (4) No hair washing sinks, none requested.
- (5) Use portable ironing boards, rather than built-in. Changed because of fire hazard on wood ironing board, but if built-in board had metal ironing surface, fine.
- (6) Dry cleaning room, open certain hours - 3 companies maintain under 1 ticket.
- (7) Have 1 carpenter, 1 helper, 2 electricians for entire dorm system (men and women).
- (8) Students put trays on short conveyor.
- (9) Hobart dishwasher has short conveyor, too short.
- (10) 56" from counter to salad refrigerator, 50" to table. Very open and easy to move about.
- (11) Ceramic glazed structural tile to ceiling in kitchen area.
- (12) 12'0" dining clg. - Auxiliary dining with plugs for study lamps, at columns.
- (13) 45" hanging space - 27" x 48 $\frac{1}{2}$ " x 18" chest in suites, except 6" of pole cut out of one closet where column was adjacent.
- (14) 38" hanging in south rooms - way too short, and all girls complained. None of the 7 we talked to wanted movable furniture. 66" wall of clos to back of lav and about 4" furring. Concrete stairs. Sand finish plaster on walls.
- (15) No applications taken since October 31, 1960 for entering September, 1961.
- (16) 19,000 unit dorms; 1,500 girls.
- (17) 5,700 girls/some dorms. \$72.50 a month, not air-conditioned.

Abilene Christian College - New Girls Dorm, Incomplete

May 6, 1961

- (1) Charge \$6.50 more per month over similar nonair-conditioned rooms.
- (2) To handle a floor on one unit or thermostat is not satisfactory because they have south and north on same thermostat and one person too cold, one too hot.
- (3) Felt no particular problem servicing air-conditioned units in rooms and felt individual control necessary.

Abilene Christian College (continued)

May 6, 1961

New Dorms

- (1) Concrete beams and columns, with flat plate corridor and precast concrete channels for floor framing. Channels sprayed, acoustical plaster. Rooms have gypsum board partitions on wood studs. Closets have 41" hanging space, 2 doors each closet - chests are 42" wide, but cut down to 30" drawers, 2" horizontal stiles between drawers. Strictly will work, not furniture.
- (2) Drawers in center between desks 4" side stiles, 2" horizontal stiles between drawers. Individual room units are between top of closet and ceiling with discharge at front and return at end at front door. Circulation questioned.
- (3) Gypsum boards covered with canvas, glued on and painted.
- (4) Doors are oak. Cork board above desk, unconnected. Desk has cantilever top each side for writing and leg room. Lavatory counter larger, 2 1/2 times length of lavatory, set in one corner at end of closet perpendicular to wall. Furniture is oak, to be golden oak finish apparently. 2" x 12" bed frames. Bookcases built-in under windows.
- (5) Stairs to have topping of some sort.
- (6) Three story - window wall construction, narrow horizontal window operable, wdo wall to wall.
- (7) Showers portland cement plaster to receive tile, but remainder tile stuck on gypsum board.

Mrs. Bates, Mrs. Birkman, Texas Technological College

May 4, 1961

- (1) One dietitian apartment each unit, same as mens apartment, larger bedroom.
- (2) Washer and dryer in basement, several. Three to 5 ironing boards per floor.
- (3) Meditation-prayer room, very small, seat 6 or 8 only.
- (4) Install maids rest room facilities.
- (5) Exterior door to all apartments.
- (6) Install urinals in one unit only, for summer conversion to house men students.
- (7) No single rooms necessary from their needs.
- (8) Definitely built-in furniture, with medicine cabinet.
- (9) Thin wall at conveyor belt where students place trays. 4'0" longer belt, widen aisle back of serving counter, and move salad refg to end of serving. Center cooking units between lines. Office on outside wall. Study storage, dry and freezer, together so office can supervise one outside delivery door only. No need for silverware washer, but use pre-washing.
- (10) Install larger evaporative coolers. Air condition office.
- (11) Zero degree box much larger.
- (12) Men's and women's lounges and toilets adequate.
- (13) Like can room men's dorm; like paper storage men's dorm; men's dry storage adequate.
- (14) Maids and white help in kitchen can use same toilet facilities if plan permits.

Mrs. Bates, Mrs. Birkman, Texas Technological College (continued) May 4, 1961

- (15) Install mirrors in halls and at corners, so girls can arrange themselves to meet date.
- (16) Study incinerator. No good ones.

Dean Phillips, Dean Garner

May 5, 1961

- (1) One study hall in each unit, 2nd or 3rd floor, quiet area, 15' x 39' adequate.
- (2) Apartment as per men's dorms. Should be one extra apartment which could be on 2nd floor.
- (3) One ironing room per floor, with 3 ironing boards. Sink would be used.
- (4) Meditation-prayer room, but not at sacrifice of other space.
- (5) Horn has 341 girls, with 3 machines on first floor, and 2 on 3rd floor with double load dryers. Placing these in basement desired for these machines.
- (6) Concession in basement highly desirable. Noise at rooms causes girls to change rooms. Men servicing machines are not wanted on floors.
- (7) Provide exterior entrances to Supervisor and Dietitian Apartment, not extra apartment.
- (8) Don't put wall plugs back to back.
- (9) No wing supervisor rooms.
- (10) Look at truck storage at Weeks which is too small. Study shelving for better storage.
- (11) Desirable to have 3 single rooms with bath at each of these units, if workable, with buzzer to these rooms.
- (12) Same buzzer as boys and Weeks dorms.
- (13) Urinals on one unit, with panel over them.
- (14) Study incinerator. Don't know of a good one.

Mr. Barrick

STILES, ROBERTS & MESSERSMITH
McMURTRY & CRAIG
SCHMIDT & STUART

EHM

Campus Planning Committee
May 15, 1961
Attachment No. 324
Item 1573

TENTATIVE BUDGET
PROPOSED NEW RESIDENCE HALL FOR WOMEN

Weeks Hall	\$1,540,845.00	
Liquidated damages (From Hap Padgett)	Less 55,000.00	
	<u>\$1,485,845.00</u>	
Men's Dorm kitchen Constr.	287,856.00	
	<u>\$1,197,989.00</u>	
Less Weeks lounge areas and connecting corridor	80,000.00	
	<u>\$1,117,989.00</u>	
2 Residence Halls	\$2,235,978.00	
Kitchen and Dining Hall	<u>287,856.00</u>	
Total 2 Res. Halls & Dining Fac.	\$2,523,834.00	
Air conditioning	135,000.00	
	<u>\$2,658,834.00</u>	
Add central lounge, lobby and informal lounge 12,000 sq. ft. @ \$15.00	180,000.00	
Construction Cost		\$2,838,834.00
SITE & UTILITIES		
Parking, Drives & Curbs	\$ 40,000.00	
Walks	4,000.00	
Sprinklers & Grading	26,000.00	
Tunnel	60,000.00	
Utilities	<u>20,000.00</u>	
		\$ 150,000.00
Kitchen Equipment		\$ 85,000.00
Constr. Contingencies	50,000.00	
A & E Fees	145,000.00	
Govt. Field Expense	7,500.00	
Legal	8,500.00	
Interest	112,000.00	
Project Contingency	<u>25,000.00</u>	
		\$ 348,000.00
TOTAL HHFA APPLICATION-		<u><u>\$3,421,834.00</u></u>

150.
55
152
367

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 112

May 19, 1961

A meeting of the Campus Planning Committee was held on Friday, May 19, 1961, at 2:30 p.m. in Room 120 of the Administration Building. Members present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick, and Chairman M. L. Pennington. Colonel C. P. West was unavoidably absent. Others present were Mr. D. M. McElroy and Mr. Hoyse McMurtry, Mr. Howard Schmidt and Mr. Bob Messersmith of the Associated Architects and Engineers.

1574. Housing

Proposed Residence Hall for Women

The Project Architects reported that they had revised the two preferred schemes, the splayed plan and the "U" plan, and are getting closer to what seems to be a proper solution. The splayed plan as presented would provide 748 spaces for women and the "U" plan, 734. The splayed plan would be similar to that used for the new Men's Residence Hall and the "U" plan would have a total "U" on each side.

The architects presented the proposed layouts which were studied and the following items discussed in detail for each plan:

Number and size of apartments (only 4 were recommended), outside entrances, size of the building, offices, overflow space, study areas, informal lounges, toilet and shower ratio and layout, dry cleaning pickup station, serving kitchen off lounge, men's toilet, room size layout, bed length (it was agreed that the length of the bed in Weeks would be adequate), number of total rooms, kitchen and basement layouts, concessions location, incinerators, the heights of other buildings on the campus and wider doors to the closets to provide use of all the hanging space.

In addition, the distance from 19th Street was discussed and it was thought that the project should be set back as far as possible and still permit the location of an instructional building between the proposed residence hall and the new Library.

The idea of providing stations only on the north side for date pickup was discussed. It was thought that entrances on the north and south side would solve the existing problem at Weeks and some of the other halls. It was thought that more pickup stations are needed but the study will continue.

The possibilities of study halls were just about reduced to the dining halls with, perhaps, a bit of flexible space that could be used for an informal lounge or study. It would be difficult to tie in the carrel type of study space with plans for the building and carrels would be little different from study space provided in the rooms. It was mentioned that the Library would be not more than one block from the residence hall and that carrels are to be provided in the new Library.

The possibility of a Chapel or meditation room was discussed. It was agreed that a room which could be rented would be inappropriate although it was thought that a small room might be in order. It would be easy to either include or eliminate the proposed facility in the final plans. The room has been considered in the preparation of plans due to the fact that the Women's Residence Council recommended the facility for the new proposed hall. The women in Weeks Hall gave up an ironing room on first floor in order to convert it to a meditation room and it seems to be working very satisfactorily.

1574. Housing (continued)Proposed New Residence Hall for Women

The question of the desirability of moveable over built-in furniture was discussed. It was the consensus that loose furniture might be a bit cheaper to obtain but there are economies of space and maintenance in fixed over moveable. The Women's Residence Council recommended built-in furniture and funds can be borrowed from the HHFA only for built-in furniture but not for moveable.

The height of the proposed project and the number of stories were again discussed. The number of stories has been considered carefully in all the proposals to date. The architects and the members of the CPC had the feeling that the instructions from the Board were to consider a multistory project and it was agreed that a very carefully considered attempt would be made to recommend the most satisfactory plan.

The ramifications of seasonal air conditioning in comparison to year around air conditioning were studied and discussed with the feeling that year around air conditioning would produce economies of construction design and would provide more comfort during the year. It was pointed out that when the temperature outside is satisfactory, ventilation would be through the fresh-air system and would be neither heated nor cooled.

M. L. Pennington
Chairman

The meeting adjourned at 6:15 p.m. It was agreed that Mr. Urbanovsky and Mr. Barrick will meet with the Project Architects and that another meeting with the CPC will be held at 8:30 a.m. on Wednesday, May 24, 1961. The regular meeting of the Campus Planning Committee which began at 9:00 a.m. on May 18, 1961, is to be concluded at 8:30 a.m. on May 20, 1961.

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 113

May 20, 1961

A meeting of the Campus Planning Committee began on Thursday, May 18, 1961, at 9:00 a.m. in Room 120 of the Administration Building. Members present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick, Colonel C. P. West, and Chairman M. L. Pennington. In addition, Mr. D. M. McElroy and Mr. Robert L. Mason were present. Mr. Mason remained for discussion of Items Nos. 1581B-2, 1590A, 1590C-5, 1590D-2, 1596A, and 1599A and B, and left the meeting at 11:05 a.m.

The meeting recessed at 12:00 noon and reconvened on May 20, 1961, at 8:30 a.m.

1575. Approval of Minutes

On motion by Colonel West, seconded by Mr. Urbanovsky, the Minutes of Meetings 107, 108, 109, and 110 were approved.

1576. President's Approval of Minutes

The Chairman reported that the President approved the Minutes of Meeting 107 on May 6, 1961, 108 on May 17, 1961, 109 on May 13, 1961, and 110 on May 10, 1961.

1577. Agricultural Plant Sciences Building

A. Equipment

Mr. McElroy reported that the fixtures for the lab tables are out for bids as are the table tops. The furniture, table bases, etc., will be delivered between June 1 and June 15, 1961.

B. Millwork

All of the millwork has been delivered and is being installed and painted. There are some complications on the installation but the Supervising Architect will work out the adjustments.

C. Liquidated Damages

The contractor has raised no question of the 25 days at \$50 for liquidated damages.

1578. Chemical Engineering Building

A. Construction Progress

Mr. Barrick reported that the progress at present is very, very slow. The original completion date was May 14, 1961, and there have been enough justifiable extensions to extend the completion date to about mid-June. The contractor has recently changed superintendents and a bit more progress is being made. Progress has been unreasonably slow of late.

B. Equipment

Dean Bradford's request for equipment in the original amount of \$93,093.90 was discussed at length. Some of the items were substantially reduced in conference between Dean Bradford and Mr. McElroy prior to the meeting and Item No. 8 as shown on the "Summary of Equipment Request" was deleted.

As the CPC is unfamiliar with Chemical Engineering equipment, it was agreed to request Dr. R. C. Goodwin to study Items Nos. 1, 4A and 5 as shown on the "Summary of Equipment Request."

It was agreed that Item 4B on the Summary, "Replacement of Valves and Gauges," would be reconditioning of existing equipment and therefore not allowable from Constitutional Building Amendment Funds.

As recommended in Mr. McElroy's memorandum, it was agreed to hold in abeyance Item No. 7, "Fabrication and Assembly Area (Shop)," pending investigation of why one of the existing shops could not be used and the availability of funds.

1578. Chemical Engineering Building (continued)

B. Equipment

A copy of Mr. McElroy's memorandum of May 18, 1961, Dean Bradford's letter of April 5, 1961, and the revised "Summary of Equipment Request" with the revised itemized lists of laboratory furniture, office equipment, general equipment, unit operations and process control laboratories equipment, analytical laboratory equipment and demonstration laboratory equipment are attached to and made a part of the Minutes. (Attachment No. 325, page 918)

1579. Creamery Addition (Milk Receiving Facility)
(W. B. Abbott, \$15,345 -- 200 days)

A. Date of Contract

April 10, 1961.

B. Scheduled Completion Date

October 9, 1961.

C. Construction Progress

Construction progress is very good. The foundation is complete, the soil lines are roughed in and most of the masonry materials are on the site.

1580. Classroom-Office Building

A. Sound Transmission

Dr. Kline Nall has reported significant improvement with the installation of the acoustical panels. The estimated cost for a turnkey job for sound treatment of the offices is \$2,290.00. The unit price is approximately 25¢ per square foot. The figures are only estimates. There is little or no salvage value to the materials presently in the ceiling.

The CPC voted to request a firm price for recommendation to the Board if the price seems in line. Mr. Barrick will secure the price.

B. Windows

The windows have yet to be calked. The contractor has yet to do anything on the windows or the few remaining items on the punch list. The Bonding Company is conferring with him. Mr. Duncan has reported that he can do work only when school is out.

The CPC voted to request Mr. Duncan to provide a specific schedule that he can and will meet.

C. Items Remaining to be Done

The punch list is the same as it was before.

The chalkboards are not scheduled for repainting until the close of the summer school term. Arrangements have been made with the subcontractor rather than Mr. Duncan.

D. Air Intake Ducts

Colonel West reported that "Mr. Ray Downing has made several checks of the air intake ducts in the C & O Building and has not found an unusual amount of dust in the air filters. He has had the air filters cleaned each 15 days during the dust season. It is to be noted that we have not had any severe dust storms this season. However, Mr. Downing does not anticipate any trouble due to a heavier concentration of dust."

1581. HousingA. Married Students

Mr. McElroy reported that Mr. Bill Myers had been by and reported that Mr. Cain is no longer in the picture as he cannot secure the funds. The man in California who bought the land from Dr. Maddox is keenly interested and has the money to construct the married student housing without borrowing funds.

B. Proposed New Residence Hall for Women1. Progress Report

The architects have done a vast amount of work and are conferring regularly with the CPC. Separate reports are being made for the meetings with the architects.

2. Sewer Connection

Mr. Mason's memo of May 17, 1961, pertaining to utility services to the proposed new residence hall is attached to and made a part of the Minutes. (Attachment No. 326, page 919)

It was agreed that if the new men's residence halls are removed from the sewer line leading across 19th Street, there should be no problem in tying the proposed new facility to the existing sewer line. It should be noted that the additional capacity, which would be available under the circumstances, should be reserved for future use of other halls in the area.

3. Architects' Contract

It was agreed that there is no longer any reason to delay preparation of a contract with the architects and it is to be ready for Board consideration at the next meeting.

C. Retile Bathrooms in Bledsoe and Gordon Halls
(Art Terrazzo and Tile Company, \$33,759 -- 80 days)1. Date of Contract

April 10, 1961.

2. Work Order

Work order was issued on April 12, 1961, with work to begin on June 1, 1961.

3. Scheduled Completion Date

August 19, 1961.

4. Status of Project

The materials have been ordered.

D. Renovation of West Hall1. Partitions

On May 10, 1961, the Building Committee of the Board of Directors approved the award of a contract in the amount of \$4,738.00 to Hammock Brothers of Lubbock, the low bidder, for the installation of the shower partitions.

2. Painting

Mr. Barrick reported that the painting is out for bids at the present time.

1582. LibraryA. Progress and Status

Progress has been delayed due to problems with the cement. A meeting was held on May 16, 1961, with Mr. Wall, Mr. Hinn and Mr. Lindsey from the Board; the Project Architects, Mr. Odom and his representative, College Officials and representatives from Testing Laboratories present. The problem seems to be resolved.

B. Material Samples

At the meeting on last Tuesday, all remaining materials were selected. The blue tile scheduled for the interior of the first floor has been changed, and it was agreed to eliminate the tile inserts on solar screen and accept the credit.

C. Stacks

As approximately six months will be required for the delivery of stacks, it was agreed to proceed with the recommendation for the purchase of shelving as shown in Mr. McElroy's memorandum of May 17, 1961, and to include a unit price for any amount beyond that shown. It was agreed to take no action on the other requests for equipment due to the lack of time at present. Mr. McElroy's memorandum is attached to and made a part of the Minutes. (Attachment No. 327, page 920)

1583. Meats LabA. Equipment

All of the equipment has been delivered with the exception of two scales. All of the equipment is hooked up with the exception of the hog killing chute and the lab table.

B. Dedication

The dedication was held at 1:30 p.m. on May 15, 1961, as part of the Annual Livestock Feeders Day Program. The official dedication ceremonies were attended by approximately 200 people. Dean Gerald W. Thomas made some introductory comments and presented Dr. Goodwin, who introduced Mr. Wilmer Smith as the dedication speaker. The ceremony was held at the entrance to the Meat Industry Building.

1584. Mechanical Engineering ShopsEquipment

The milling machine has been ordered but only the acknowledgment has been received.

1585. MusicDivision of Library into Two Classrooms

Mr. Barrick reported that he is trying to work out a meeting to go over the project as proposed in order to make the necessary evaluations. It was agreed that it should be done soon in order to secure the materials and schedule the work during the summer.

1586. New Men's Gym

In view of the fact that the handball courts, apparatus room and wrestling room were omitted from the original contract in order to come within the money, it was agreed that the reinstatement of the item should be considered when the remaining 15% of the present ten-year funds is available.

1587. Nuclear Reactor

In order that the information may be of record, the \$30,000 for the design of the Nuclear Reactor and the \$3,430 charge for the safety hazard survey were paid on May 19, 1961, to Convair-Fort Worth.

1588. Other ItemsA. Disposal of M. E. Shop Building (#50)

Attempts are still being made to dispose of the building which has been stripped of all usable equipment and materials.

B. Disposal of Old Meats Lab (#82)

Mr. Herbert Hall has agreed to remove the building with the exception of the foundation and the concrete slab at no cost to the College. All usable equipment has been removed--such as the hot water heater, compressors, refrigerator doors, etc. Mr. Hall has agreed to clear the site except for the concrete. He started work on May 16, 1961.

C. Disposal of Old Physical Plant Buildings

Colonel West reported that he had been able to dispose of only Building No. 46, the tractor shed. Mr. Herbert Hall has agreed to remove it at no cost to the College and clear the site. Work began on May 17, 1961.

D. Concrete Removal

There is a good bit of concrete from former buildings to be removed from the campus. There are 14 slabs with 8,214 square feet, 552' of running footings, 28 small piers, 2 pits-3' x 4' and 4' x 8', 133' of 3' sidewalk, 2 porches, and 1 fireplace to be removed. As the College does not have equipment to effect the removal, efforts have been made to secure bids from as many firms as possible for the removal. Bids were opened at 2 p.m. on May 15, 1961, in Room 120 of the Administration Building, with only Mr. Urbanovsky, Mr. Gosdin and M. L. Pennington present. The bids received were as follows:

Joel Austin, Lubbock	\$2,950.00
Bill Hood, Lubbock	2,500.00
Kerr Paving Company, Lubbock	3,150.00

The removal would include all the concrete except that under Building No. 50 and it is not ready for removal as yet.

After consideration, the CPC was of the opinion that there is nothing else that can be done. As the bids are competitive and the concrete is delaying the completion of walks and landscaping, it was agreed to recommend to the Building Committee that the contract be awarded to Bill Hood of Lubbock, the low bidder, for the sum of \$2,500, to be paid from the Unappropriated Balance.

F. Large Classrooms

A letter pertaining to the need for several large classrooms from Dr. W. M. Pearce, Academic Vice President, under the date of May 2, 1961, is attached to and made a part of the Minutes for reference. (Attachment No. 328, page 921)

The information is supplemental to an operating procedure established by the Board some time back for the inclusion of larger classrooms in future buildings.

1589. Physical Plant FacilitiesEquipment List

1. Mr. McElroy reported that economies are being effected in the original list and there have been savings of approximately \$1,200 so far. Other items on the list are still being studied.
2. After consideration, the CPC voted to recommend the purchase of one file cabinet for the Central Warehouse at \$150, and two file cabinets for the Traffic-Security Department--one at \$175 and one at \$250; to be paid from Constitutional Building Amendment Funds budgeted for equipment.
3. Mr. McElroy recommended the purchase of 100 warehouse pallets, 3' x 4' at a cost of \$3.50 each for the Central Warehouse and one steam hose, \$44.00, one steam hose nozzle, \$41.80, one workbench with back and end stops, \$59.00, and one 25-foot hose for Curtis pressure washer, \$23.27 for the Department of Building Maintenance.

After consideration, the CPC voted to recommend the purchase of the 100 warehouse pallets and to request Colonel West to see if he can procure the Building Maintenance items from his Maintenance, Equipment and Travel Account.

1590. Relocation of Farm FacilitiesA. Agronomy and HorticultureToilet Facilities

The installation has been delayed pending the development of sewer line arrangements with the City.

Mr. Mason agreed to check and see what can be done for both the Agronomy and Horticulture Buildings. If there is no City sewer line by fall, it will be necessary to install a modest cesspool at each of the facilities.

B. Dairy Facilities (Milking Parlor)
(C. M. Pharr, \$40,800 -- 160 days)1. Contract Date

April 10, 1961.

2. Work Order

April 17, 1961.

- - - - -

The meeting recessed at 12:00 noon and reconvened at 8:30 a.m. on Saturday, May 20, 1961. Colonel West was absent when the meeting reconvened due to an unavoidable conflict.

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3. Completion Date

September 24, 1961.

4. Construction Progress

The foundation is approximately 85% complete and the progress has been very good considering the complications caused by the wind during recent weeks.

1590. Relocation of Farm Facilities (continued)B. Dairy Facilities (Milking Parlor)
(C. M. Pharr, \$40,800 -- 160 days)5. Equipment Status

Mr. Felty's list of May 18, 1961, is attached to and made a part of the Minutes. (Attachment No. 329, page 922)

Mr. McElroy was requested to handle the request in the usual manner.

C. Herd Attendants Housing
(H. C. Lewis, \$22,843 - 120 days)1. Contract Date

April 10, 1961.

2. Work Order

The work order was issued April 26, 1961. A previous work order was issued but canceled when the owner could not compact the fill under the project until April 26, 1961.

3. Scheduled Completion Date

August 19, 1961.

4. Construction Progress

The progress is excellent. The project has been closed in and the masonry materials are on hand.

5. Water Tap

Mr. Mason reported that the contractor had requested permission from the Highway Department to install a water tap on a highway line running under the overpass near the project. The Highway Department granted permission for the temporary tap with the understanding that it would be acceptable to the College and the City as the water used is furnished by the City. The College concurred in the temporary water tap at no expense to the College and with the understanding that the arrangements with the Highway Department and the City would be handled by the contractor.

D. Livestock Facilities (Including Poultry)1. Grades

Mr. Urbanovsky reported that conditions are such now that the final surveys can be run. It was agreed to ask Mr. Hugo Reed to run the grades.

2. Utilities

Mr. Mason reported that he is working on plans for all the utilities but must know the location of the outlets.

Mr. Urbanovsky was of the opinion that the information is now available to provide the location of the outlets. It was agreed that it would be well to see what can be done with the City on the sewer line before completing the plans. If sewer lines are not installed by the summer, it will be necessary to have septic tanks.

1590. Relocation of Farm Facilities (continued)D. Livestock Facilities (Including Poultry)2. Utilities

Mr. Mason reported that bids for utilities could be available about July 10, 1961, and asked, if possible, for the Building Committee to be authorized to make the award between Board meetings. The CPC concurred.

It was agreed that about the only other project on which nothing has been done is the paving and that it would be well to wait until the project is more nearly complete.

3. Other Buildings

Bids are being taken on three metal buildings for dairy cattle facilities, one little metal building for beef cattle facilities and three metal buildings for poultry facilities.

The bids will be for the building only with the concrete slab and utilities stubbed out for a distance of 5 feet. There will be no plumbing or electricity inside as there was insufficient time to include the items in the bid and it will be a sub-contract anyway. The College probably can provide the inside facilities as economically, if not more so, than the contractor.

The bids are to be presented to the Building Committee on May 28, 1961.

1591. Rifle Range

Mr. McElroy reported that he is still working on the information with the Federal Government.

1592. Science Building (Carl E. Maxey, \$411,000 -- 365 Days)A. Date of Contract

February 13, 1961

B. Scheduled Completion Date

February 13, 1962

C. Construction Progress

It is good. The contractor is framing for the concrete for first floor.

1593. Seismometer Vault

At the meeting held on April 8, 1961, the Board of Directors authorized the Campus Planning Committee to take bids for the Seismometer Vault and to award the contract if the amount should not be more than \$3,500.00, to be paid from the Unappropriated Balance. Bids were opened and read aloud at 2 p.m. on May 10, 1961, in Room 120 of the Administration Building in the presence of seven interested persons. The bid tabulation is as follows:

W. B. Abbott, Lubbock	\$4,220.00
H. C. Lewis, Lubbock	4,726.00
C. M. Pharr, Lubbock	4,783.73

1593. Seismometer Vault (continued)

As the low bid was \$720 above the amount authorized, the Building Committee was called with the recommendation that the contract be awarded to the W. B. Abbott Company, the low bidder, in the amount of \$4,220, to be paid from the Unappropriated Balance. There seemed to be no logical way to substantially reduce the amount of the contract as a reduction of the water-proofing, quantity of concrete, or the electrical system would reduce the quality of the structure which must operate unattended for long periods of time. The members of the Building Committee approved the award.

The increase over the estimate was largely due to an increase in the quantity of concrete which was found necessary after the estimated cost had been on hand and an underestimation of the electrical requirements.

1594. Student UnionA. Construction Progress

Mr. Barrick reported that the progress is fairly good. The weather has hit the contractor very hard. The main chillers for the central air conditioning station are in place and ready for installation.

B. Equipment

Mr. McElroy reported that the Student Union group is diligently studying various types of furniture and arrangements.

He was requested to remind the Student Union group that recommendations for furniture and equipment are to be made through the CPC to the President and Board of Directors in keeping with the policy that has been established for the purchase of furniture and equipment for all new construction.

1595. Track BleachersFinal Acceptance Date

The contractor finished the work on April 22, 1961, and was one week ahead of schedule. The contractor is to be complimented for doing a very fine job and for finishing ahead of time in order to have the bleachers for the high school track meet.

1596. UtilitiesA. Electrical Installation (Nelson Electric Company)Final Acceptance and Liquidated Damages

Mr. Zumwalt's letters of April 12, 1961, were discussed in detail and are attached to and made a part of the Minutes. (Attachment No. 329, page 922)

It was agreed to take no action until Mr. Mason has a chance to check the results of the final punch list and to notify the CPC of his findings.

B. Water Lines and Sprinkler System

Mr. Urbanovsky reported that the water line and sprinkler system in the vicinity of the Textile Engineering Building is in process of installation.

C. Six-inch Water Line Around Women's Tennis Courts

Mr. Urbanovsky reported that the installation had been delayed due to a possible conflict with some other project. He will check to see if the conflict still exists.

1597. Veterinary Science BuildingPost-mortem Room

Mr. Barrick reported that the project is out for bids at the present time and the bids are to be opened at 2 p.m. on May 25, 1961.

The plans have been changed from an outside post-mortem room to one inside the Veterinary Science Building and it is felt that it not only will save a substantial amount of money but it looks as if it is the best plan of all.

1598. Walks and DrivesA. Those in the Vicinity of Agricultural Plant Sciences

No work can be done until the concrete slabs, which are in the way, are removed.

B. Street Repairs

Mr. Urbanovsky reported that the materials have not all been delivered but the streets are being patched as the opportunity presents itself.

1599. Women's GymA. Basement Ventilation

Plans and specifications are out for bids which are due on May 25, 1961, at 2 p.m.

It was agreed to add an alternate for conduit to provide for future air conditioning in keeping with instructions from the Board for all new buildings. It was estimated that the additional cost would be very small.

B. Gym Proper Ventilation

Mr. Mason agreed to observe and study the problem during the summer months in an attempt to effect a proper solution.

M. L. Pennington
Chairman

The meeting adjourned at 9:05 a.m. The next meeting is to be at 8:30 a.m. on May 24, 1961, for a meeting with the Project Architects on the proposed new women's residence hall.

Campus Planning Committee
 May 20, 1961
 Attachment No. 325
 Item 578B

Texas Technological College
 Lubbock, Texas

MEMORANDUM

From

Office of the Vice President
 and Comptroller

TO: Mr. M. L. Pennington

DATE: May 18, 1961

SUBJECT: CHEMICAL ENGINEERING BUILDING EQUIPMENT

The equipment request for the Chemical Engineering Building has been the most difficult one for me to evaluate of all buildings for which we have furnished new equipment. Chemical Engineering is a field with which I am totally unfamiliar and have no conception of the equipment necessary. This is a department which has been housed in the Chemistry Building and has to some extent been dependent upon the chemistry facilities for instructional use. The evaluation of the degree of dependency and the necessity of duplicating some equipment is extremely difficult. One can recognize that the requirements for a new department will be greater than those of an older department moving into a new building.

To assist in reviewing the Chemical Engineering request for equipment, I have numbered in the lower left-hand corner, by pencil, the pages, 1 through 21. Back of the numbered pages, there are 16 unnumbered pages but these will not enter into this report because these are items that obviously belong in the Departmental ME&T Account. This has been so explained to Dean Bradford.

On page 5 there is a summary of the equipment request and this page furnishes the outline for my suggestions and comments.

Item 1 relates to \$19,957 worth of laboratory furniture. This price was based on the original layout using Hamilton figures. It is not known whether any of these items can be deleted or not, but it is likely that the cost can be reduced to approximately \$13,000 by having these items fabricated locally and using formica in areas where Imperial and Alberne stone have been indicated. (This is at Dean Bradford's suggestion.)

Item 2 pertains to the request for office equipment in the amount of \$3,135. It is recommended that this item be reduced to an amount estimated at \$2,166 by adding three items and deleting three items as shown in pencil on page 7 of the request.

Item 3 relates to general equipment in the amount of \$4,130. It is recommended that the estimated cost of these items be reduced to \$985 by making the deletions as noted on page 8 of the request. The principal deletion is the \$3,000 item for six two-ton air conditioning units. If the air conditioning is done, it should be charged to the building account and Mr. Downing has estimated that he can make the air conditioning operable for approximately \$3,000.

Item 4 relates to equipment for the unit operations and Process Control Laboratories in the amount of (a) \$22,692 for the instrumentation of the fractionating column and (b) \$2,204 for the replacement of valves and gauges. Part (a) of this item is a request for electronic control instrumentation of the fractionating column and Dean Bradford has stated that this can be taken in stages and that the first stage can be accomplished for approximately \$8,000. It is recommended that the \$8,000 amount be established for these requirements and that a detailed list of these items commensurate with the estimated cost be prepared by the using department.

Mr. M. L. Pennington

-2-

May 18, 1961

Part (b) of this item relates to the replacement of valves and gauges removed from laboratory equipment presently housed in the Chemistry Building, Rooms 1, 17 and 17A. It has been necessary to remove these valves and gauges in the disassembling of the laboratory equipment preparatory to moving to the new building. It is recommended that the items requested be approved.

Item 5 relates to the equipment for the Analytical Laboratory in the original amount of \$12,240 but which has already been reduced in conferences with Dean Bradford to the amount of \$11,895. It is recommended that this item be reviewed by a qualified person outside of the Chemical Engineering Department to determine if these items are necessary to efficient instruction.

Item 6 relates to the equipment for the Demonstration Laboratory which is to say that this will become a seminar room which will lend itself to displays of chemical plant models. It is suggested that these items be approved subject to the determination as to whether the room is physically large enough to accommodate this amount of furniture.

Item 7 relates to the equipment for the fabrication and assembly area or Chemical Engineering Shop room. Dean Bradford states in the second paragraph on page 3 of his request that this laboratory will be used for all research efforts in Chemical, Electrical, Mechanical, Industrial and Civil Engineering; therefore, it is suggested that this item be held in abeyance pending the determination of why one of the existing shops such as we have in the Mechanical Engineering Department cannot be used for this purpose rather than going to the expense of equipping a new shop. Where reference has just been made to the Mechanical Engineering Shop, it was in relation to the Maintenance Shop and not the Laboratory Instructional Shop.

Item 8 relates to a request for stock room equipment and this item has been deleted from the request as described in the second paragraph of this report.

A review of my notes indicates that Dean Bradford would like to transfer from Item 7 subitems Nos. 49 and 50, as shown on page 21, to the classification under Item 3 as detailed on page 8. This would increase the suggested grand total from \$39,142 to \$40,941.

It has not been the practice of the Campus Planning Committee to recommend to the Board a given amount of money for the equipping of a building but rather the recommendations have been based on the items to be purchased. The equipping of this building could be the one place where we would like to make a recommendation to the Board based on dollars rather than on equipment. In view of the difficulty in evaluating this request, there is a possibility that the instructional level of this department could be jeopardized by the decisions which we make.

/s/ D. M. McElroy

D. M. McElroy
Assistant Comptroller

DMM:d(g)

cc: All CPC Members

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

School of Engineering

Office of the Dean

April 5, 1961

Mr. D. M. McElroy
Assistant Comptroller
Texas Technological College
Lubbock, Texas

Dear Mr. McElroy:

In reply to your memorandum of January 24, 1961, regarding equipment for the new Chemical Engineering Building, I respectfully submit the following equipment request.

In general the equipment requested has been listed by areas or rooms with the exception of the Laboratory Furniture which is combined on one page. A set of drawings of the laboratory furniture is also attached to show general location of the furniture.

A number of areas are peculiar to the chemical engineering field and deserve special consideration and explanation relative to the equipment requested. These areas are:

1. Unit Operations Laboratory and Process Control
Laboratory (Rooms B2, 210 and 103)

This area is the heart of the chemical engineering field. While a large part of the equipment now in the basement of the Chemistry Building will be utilized to the fullest extent, nevertheless, a great deal of additional equipment is needed to meet minimum requirements for a standard Unit Operations Laboratory. Since all of the equipment will be moved we believe this will be the best time to replace the valves and gauges on the various unit operations equipment. Normal use of these valves and gauges is from 5-10 years. With South Plains water this time is normally reduced about in half. We know of serious leakage in a number of places, and many of the valves will undoubtedly become faulty when disconnecting of the equipment occurs.

Of particular concern is the instrumentation of the fractionation column. This column is a very fine piece of equipment; however, over the past decade the instrumentation on the tower has become obsolete due to the rapid strides of electronic controls in industry. In order that we might be able to offer to our students laboratory instruction compatible with the requirements of industry, we request serious consideration to this particular item of this asking.

2. Analytical Laboratory (Room 104)

This area is a vital part of any chemical engineering operation in that it is necessary to have accurate analysis of products emerging from unit operations and process equipment. Since equipment of this type was under joint use by chemistry and chemical engineering, this meant that all such equipment would remain a part of the Chemistry Department after separation. Consequently this laboratory has almost no equipment at the present time.

3. Demonstration Laboratory (Room 211)

This laboratory is unique in that we are proposing a new method of teaching certain parts of the process control and unit operations techniques by means of a demonstration laboratory technique. Because of the continuing emphasis of electronic control in process instrumentation and because of the very high cost of such instrumentation, we are proposing the use of one piece of each type of control mechanism and demonstrating its use in a seminar type laboratory. This will reduce the number of pieces of equipment needed. In the regular laboratory instruction technique, a team of 2-4 students investigated a control or analytical unit, thus 3, 4 or 5 units were required for a normal laboratory to operate.

4. Fabrication and Assembly area (Room B1)

In this area we are concentrating all of our metal fabrication and general machine work. If we are to continue our graduate program in Chemical Engineering, we must possess the capabilities of a small but very excellent research machine shop. Practically all graduate experimental research in Chemical Engineering requires the construction and/or manufacture of special equipment not available on the commercial market.

An additional item in connection with this area is that the School of Engineering is concentrating its metal working equipment in this laboratory for all research efforts in Chemical, Electrical, Mechanical, Industrial, and Civil Engineering. Thus, this shop equipment request is not only for the new Chemical Engineering Building, but was a part of the consideration in the equipment request for the Textile Engineering-Industrial Engineering Building, the Mechanical Engineering Laboratories, and the Computer Building. In the case of the computer building, we are receiving a number of computers of a somewhat ancient vintage and replacement parts will have to be manufactured since they are no longer available commercially. This fabrication area can provide excellent service in this connection.

In summarizing the request for equipment for this building, the total becomes completely out of all proportions in terms of the equipping of other buildings on the campus. In this respect it must be remembered, however, that we are almost starting from scratch in the creation of this department. One of the requirements in the separation of the Department of Chemistry and Chemical Engineering involved the eventual title of capital equipment having joint use. In all cases where equipment had joint utilization, the Chemistry Department retained title, consequently practically all analytical, physical and shop equipment was retained by chemistry. Another consideration that should be taken into account is that, due to space limitations in the unit operations and process control laboratories relatively small expenditures of money have been made for Chemical Engineering during the last ten years.

The lists as presented represent our best thinking and each list has been reduced to the minimum. Rather than reduce them further prior to presentation to your office, we felt it would be well for you to see just what is required and the magnitude of the request. Since it is obvious that many adjustments must be made in these askings, I will be most happy to work with you in every way to achieve the best possible overall request commensurate with the budget item available for equipping of buildings.

Sincerely,

/s/ John R. Bradford

John R. Bradford
Acting Head
Department of Chemical
Engineering

CHEMICAL ENGINEERING BUILDING EQUIPMENT

SUMMARY OF EQUIPMENT REQUEST

1. Laboratory Furniture	\$13,000.00
2. Office Equipment	2,036.00
3. General Equipment*	985.00
4. Instruments for Fractionating Column in Unit Operations and Process Control Laboratories	8,000.00
5. Analytical Laboratory	11,895.00
6. Demonstration Laboratory	<u>892.00</u>
TOTAL - - - - -	<u>\$36,808.00</u>

*It has been requested that a 3-5 GPM Barnstad still, estimated cost \$1,200.00 and a 5 HP air compressor, estimated cost \$599.00, or a total of \$1,799.00 be transferred to General Equipment from Item 7, Fabrication and Assembly Area (not shown above) which is being held pending investigation as to whether existing shops can perform this function.

ITEMIZED BREAKDOWN OF SUMMARY

Laboratory Furniture

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Total Cost</u>
1	1	Sink Assembly	\$ 652.00
2	5	Wall Counters	
		1 @ \$1,295.00	
		1 @ \$ 509.00	
		1 @ \$1,668.00	
		1 @ \$1,787.00	
		1 @ \$2,224.00	7,483.00
3	6	Desk, Laboratory @ \$160.00	960.00
4	3	Distillation Table @ \$990.00	2,970.00
5	7	Balance Tables @ \$155.00	1,085.00
6	4	Laboratory Tables	
		1 @ \$2,385.00	
		1 @ \$ 998.00	
		1 @ \$ 496.00	
		1 @ \$2,928.00	<u>6,807.00</u>
		TOTAL - - - - -	<u>\$19,957.00</u>
		ESTIMATED COST* - - - - -	<u>\$13,000.00</u>

*By having these items fabricated locally and using Formica on the tops in view of Imperial and Alberene Stones, it is believed that these items can be secured at an estimated cost of \$13,000.00

Office Equipment

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Total Cost</u>
1	5	Double Pedestal Desks, Oak Finish @ \$150.00	\$ 750.00
2	5	Tables, Oak Finish, 30" x 43" @ \$25.00	125.00
3	5	Swivel Chairs, Oak Finish @ \$45.00	225.00
4	7	Side Arm Chairs, Oak Finish @ \$25.00	175.00
5	1	Secretary Desk	150.00
6	6	Filing Cabinets with Locks @ \$55.00	330.00
7	2	Two-door Cupboards with Locks @ \$100.00	200.00
8	2	Side Chairs without Arms @ \$18.00	36.00
9	1	Posture Chair	45.00
TOTAL - - - - -			<u><u>-\$2,036.00</u></u>

General Equipment

1	1	Opaque Projector	285.00
2	1	Projection Screen, 84" x 84"	55.00
3	1	Dry Ice Cabinet	185.00
4	1	Ice Box	55.00
5	1	Refrigerator with Freezer Compartment	330.00
6	3	Emergency Floodlights @ \$25.00	75.00
TOTAL* - - - - -			<u><u>-\$985.00</u></u>

*It has been requested that a 3-5 GPM Barnstad still, estimated cost \$1,200.00 and a 5 HP air compressor, estimated cost \$599.00, or a total of \$1,799.00 be transferred to this classification from Item 7, Fabrication and Assembly Area.

Unit Operations Laboratory
(Instrumentation of Fractionating Column)

1	3	Electronic Consotrol Recorders @ \$215.00	645.00
2	3	E-6 Housings @ \$50.00	150.00
3	3	Electronic Consotrol Controllers @ \$255.00	765.00
4	3	E-3 Housings @ \$40.00	120.00
5	2	Electronic Consotrol Square Root Computers @ \$200.00	400.00
6	2	E-3 Housings @ \$40.00	80.00
7	2	Electronic Consotrol Multiplier Computers @ \$950.00	1,900.00
8	2	E-6 Housings @ \$50.00	100.00
9	1	Ratio Set Unit	350.00
10	1	E-6 Housing	50.00
11	5	Thermometer Wells @ \$16.00	80.00

Chemical Engineering Building Equipment (continued)

Unit Operations Laboratory
(Instrumentation of Fractionating Column)

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Total Cost</u>
12	2	Resistance Bulb Assemblies @ \$66.00	\$ 132.00
13	350'	Conductor copper lead wire	61.00
14	2	Electronic Consotrol Flow Transmitters @ \$567.50	1,135.00
15	1	Power Unit and Distribution Panel	710.00
16	1	Electronic Consotrol Level Transmitter	490.00
17	1	Electronic Consotrol Pressure Transmitter	375.00
18	2	Electronic Consotrol Temperature Difference Transmitters @ \$400.00	800.00
19	2	E-3 Housings @ \$40.00	80.00
TOTAL - - - - -			<u>\$8,423.00</u>
ESTIMATED COST* - - - -			<u>\$8,000.00</u>

*By combining the pen action on some of these recording instruments, it is believed that efficient instrumentation can be secured for an expenditure of and not to exceed \$8,000.00

Analytical Laboratory Equipment

1	1	Demineralizer, Bantam	95.00
2	1	Gas Apparatus	75.00
3	1	Melting Point Apparatus	125.00
4	1	Ball Mill	329.00
5	2	Heat of Vaporization Apparatus @ \$25.00	50.00
6	1	Balance, Specific Gravity	45.00
7	1	Hygrometer	65.00
8	1	Spectro-Electrometric Tetrotian Apparatus	675.00
9	1	Spectronic 20, Bausch and Lomb	281.00
10	1	Chart Recorder	675.00
11	1	Electrolytic Analyzer	560.00
12	1	Thermistor Thermometer	175.00
13	1	Glassblowing Kit	246.00
14	1	Fisher Surface Tensiometer	585.00
15	1	Gas Chromatograph	1,650.00
16	1	Constant Voltage Transformer	81.00
17	1	Recorder, Bristol	890.00

Analytical Laboratory Equipment

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Total Cost</u>
18	1	Balance Mettler B5 Macro	\$ 906.00
19	1	Ultraviolet-visible Automatic Recording Spectrophotometer	<u>4,387.00</u>
TOTAL - - - - -			<u><u>\$11,895.00</u></u>

Demonstration Laboratory

1	6	Folding Tables, 72" Long x 36" Wide @ \$50.00	300.00
2	24	All Steel Folding Chairs with Padded Seat @ \$8.00	192.00
3	2	Easels, Metal @ \$40.00	80.00
4	4	Metal Bookcases, 48" High x 34½" Wide x 18" Deep @ \$80.00	<u>320.00</u>
TOTAL - - - - -			<u><u>\$892.00</u></u>

Fabrication and Assembly Area

This item in the amount of \$22,076.00 does not appear in the Summary and will not be itemized until it has been determined whether or not existing facilities on the campus can perform the function of this shop. (It is from this area for which the request was made to transfer the Barnstad still at an estimated price of \$1,200.00 and the 5 HP air compressor at an estimated cost of \$599.00 for a total estimated cost of \$1,799.00 to Item 3, General Equipment.)

Campus Planning Committee
May 20, 1961
Attachment No. 326
Item 1581B-2

Texas Technological College
Lubbock, Texas

M E M O R A N D U M

From
Office of College Engineer

TO: Mr. M. L. Pennington DATE: May 17, 1961
SUBJECT: Utility Services to new Women's Dormitory

I do not know what agreements have been made with Project Architects on subject job in regard to the design of utility services which will be outside the building itself. I refer specifically to the extending of existing College services to a point some 5 ft. from the new building.

I feel that this design work can be adequately handled by this office, and wish to go on record to that effect. You may recall that this office handled similar work for the new Men's Dorms, Weeks Hall and other campus projects. I am also planning to get into the design for the new Farm Operations very shortly.

This note is submitted at this time because I am of the opinion that the project architects will want to know very soon to what extent they are to go in the design of the exterior services.

The exception to the above is the handling of sewer services. Since the College's 12" sewer main currently passes almost alongside the new building site, I urge that the Architects be authorized to handle the sewer system for the new Dormitory in its entirety, irrespective of arrangements for other services.

/s/ Robert L. Mason

Robert L. Mason
Supervising Engineer

RIM:mmm

cc: Mr. Nolan E. Barrick

Campus Planning Committee
May 20, 1961
Attachment No. 327
Item 1582C

Texas Technological College
Lubbock, Texas

MEMORANDUM

From
Office of the Vice President
and Comptroller

TO: Mr. M. L. Pennington DATE: May 17, 1961

SUBJECT: FURNITURE AND EQUIPMENT FOR NEW LIBRARY BUILDING

You will recall that we have been estimating Mr. Janeway's request for furniture and shelving in the new Library at approximately \$170,000 to \$180,000. This estimate was based on using the subsistence quantities as outlined in Mr. Janeway's furniture request and reproduced as follows:

FURNITURE REQUIREMENTS

	<u>Basic</u>		<u>Subsistence</u>	
Individual Study Tables	400	\$30,000	300	\$22,500
Chairs (Includes 40 for Carrels)	600	21,000	500	17,500
Service Desks	2	700	2	700
60 Tray Catalog Cabinets	10	6,500	8	5,200
Kardex Cabinets	12	3,300	10	2,750
Desks	10	1,500	6	900
Posture Chairs	10	800	6	480
		<u>\$63,800</u>		<u>\$50,030</u>
Totals				
Carrels	60		40	\$40,000

SHELVING REQUIREMENTS

Ranges, 241 at \$341.50 each - - - - -	\$82,301
TOTAL	<u>\$172,331</u>

Mr. Janeway said that the shelving requirements were determined by the following:

Shelving in use or needed to shelve material in our possession	43,539 Ft.
Shelving to be moved	13,200 Ft.
Additional needed to shelve present collection	30,339 Ft.
Growth has been 10% per year for last ten years (5 year growth)	21,770 Ft.
Minimum shelving to 1965	52,109 Ft.

We are not far enough into the study of this equipment list to make an accurate estimate as far as the cost of the different items is concerned, but the quantities shown in the subsistence column appear to be about as modest as we could expect for the type of library building which is under construction. So, for the sake of this report, let us go along with the \$50,030 figure as the cost for furniture requirements.

Mr. Janeway has used a \$40,000 figure as the cost for carrels, but I believe that we can safely reduce this to an estimate of \$20,000 as Mr. Barrick has in his files an estimate from the Project Architect of \$450 per carrel.

May 17, 1961

If we furnished from Constitutional Building Amendment Funds the money to purchase shelving necessary to shelve the present collection or 30,339 feet of shelving, this could be done (assuming that Mr. Janeway's range price is fairly accurate) at a cost of between \$45,000 and \$50,000. I do not believe that this would be out of order if Mr. Janeway's M.E.&T. Account would permit the expenditure of approximately \$5,000 a year for the next five years for shelving.

Assuming that the carrels can be acquired at the price which the Project Architect estimated and that the shelving could be handled as outlined in the preceding paragraph, we would be looking at an equipment cost something like this:

Furniture Requirements	\$ 50,030
Carrels	20,000
Shelving Requirements	<u>47,500</u>
TOTAL REQUIREMENTS	<u>\$117,530</u>

This is submitted as a starting place for discussing our recommendation for Library equipment.

/s/ D. M. McElroy

D. M. McElroy
Assistant Comptroller

DMM:d(g)

Campus Planning Committee
May 20, 1961
Attachment No. 328
Item 1588F

Texas Technological College
Lubbock, Texas

Office of the Vice President

May 2, 1961

Dr. R. C. Goodwin, President
Texas Technological College
Campus

Dear Dr. Goodwin:

Recent conferences among the academic deans have led to a development which might be worthy of note in future building programs of the College.

In these discussions the point has been made that some improvement in faculty salaries may be achieved by holding down the number of staff additions. A majority of the deans have agreed to this as a matter of policy for the coming year, and in the case of those schools whose student-teacher ratios are below the College average, I believe you will receive few nominations for appointments above the current staff strength. The two schools whose student-teacher ratios are above the College average (and incidentally, these are the two largest schools in the College) have deliberately embarked on courses aimed at keeping staff additions to a minimum; the deans of these two schools intend to follow this policy over the next few years.

In view of anticipated enrollment increases and because it appears unlikely that appropriations will ever keep pace with these increases, it seems inevitable that we will go to larger teaching loads if we expect to have money to obtain and retain good faculty members. An increased teaching load is already an accomplished fact in the public schools; we must prepare for it as must all state-supported schools (and accrediting agencies). The alternative, of course, is to restrict enrollment.

With particular regard to Texas Tech, one requirement stands out if we are to move toward larger teaching loads; I refer to the need for several large classrooms, designed for convenience in conducting lecture sections ranging in size up to two hundred students or more. At present we have only one such classroom on the campus, Chemistry Building 101, and even this room is not designed to permit the best of presentations by the instructor. I understand the addition to the Science Building will contain a large auditorium-type lecture room.

I am aware that there are on the campus several large rooms available for classes, --the Aggie Memorial Auditorium, the Agricultural Engineering Auditorium, Room 260 in the Administration Building to list a few. However, none of these are good lecture rooms and are being shunned, after experience, by those departments whose enrollments and inclinations might justify using the space.

Finally, and for the record, it is recommended that the priority list for the construction of academic facilities in the next building program of the College be determined on the basis of the demonstrated needs of the academic programs of the institution. Perhaps the data assembled during the institutional self-study will provide a guide for this determination.

Sincerely yours,

/s/ W. M. Pearce

W. M. Pearce
Academic Vice President

WMP:sw(g)
cc: Mr. M. L. Pennington
Mr. J. Roy Wells

Campus Planning Committee
May 20, 1961
Attachment No. 329
Item 1590B-5

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

Office of the Supervising
Architect

May 8, 1961

Dr. George Elle
Assistant Dean
School of Agriculture

Re: Milking Facilities Equipment

Dear Dr. Elle:

In the Milking Facilities equipment is to be furnished and installed by the Owner as follows:

1. Feed hoppers and automatic feeding auger, and the bulk feed storage tank.
2. Milking stanchions, individual stalls and gates, including washers and weighers.
3. Milking lines.
4. Milk pump.
5. Bulk tank
6. Compressors for bulk tank.
7. Washing vat.
8. Washing tank for milk lines.
9. Pneumatic door operators (two).
10. Lockers.
11. Laboratory equipment.

Items 1 through 10 are built into the construction and must be purchased now in order that proper provisions for installation can be made.

Item 3 (the milking lines): In the initial planning the proposal was made that some of the glass lines in the existing milking unit be re-used.

Items 7 and 8 (washing vat and washing tank): These items are now owned by the College and if in good condition might be re-used.

Item 10 (lockers): The maintenance department has a number of lockers which are stored in the quonset hut and would require repainting only to be suitable for use.

We would appreciate your efforts to get this equipment ordered immediately as we are anxious to make this installation "first-class" in every respect, and further, the contractor will be delayed if the items are not purchased now.

We have in this office information furnished by Mr. Neeley prior to his departure which could be used as a criteria for writing of specification for most of the items, and we will be happy to assist you in the preparation of these specifications.

Yours truly,

/s/ Bill Felty

BF:mc(d)

Bill Felty
Assistant Supervising Architect

Campus Planning Committee
May 20, 1961
Attachment No. 330
Item 1596A

ZUMWALT AND VINTHER
Consulting Engineers
501 Mercantile Dallas Building
Dallas 1, Texas

Ross Zumwalt
P. N. Vinther
R. E. Miller
F. L. McFadden
J. T. Worley

April 12, 1961

Mr. Marshall Pennington
Texas Technological College
Lubbock, Texas

Re: Extension of Electrical Utilities
Distribution System

Dear Sir:

The subject of the quality of the concrete envelope around underground electric ducts on the subject project has been discussed at various times by members of this firm and representatives of the College. From the standpoint of actual determination of the quality of the entire pour, we do not believe that the spot checks as were made are necessarily entirely conclusive, since they only represented a very small portion of the entire installation. My impression is that those spot checks did reveal some instances of porosity, particularly on the underside of the concrete pour, which would indicate that it is to be expected that there are voids and in those places where the ducts might have been slightly deformed in the pouring operation there may not be complete coverage all around the ducts.

It is our impression that the Contractor had no intent to defraud and actually used as much or more concrete than was called for, so that the matter resolves itself to the fact that perhaps the consistency of the mix and the method of application was not controlled as carefully as it should have been.

The purpose of the concrete envelope around the ducts is to provide additional strength to help prevent damage to the duct when the cable pulling operations are being conducted and in some measure to afford additional protection from accidental damage due to excavation being carried on in the area of the underground ducts. In our opinion the evidence to date does not indicate that the installation is defective to the extent that these two requirements have not been reasonably fulfilled. We are therefore of the opinion that the installation should be accepted.

Yours very truly,

ZUMWALT AND VINTHER

/s/Ross Zumwalt

Ross Zumwalt

RZ:rr(d)
cc: Mr. Nolan E. Barrick

ZUMWALT AND VINTHER
Consulting Engineers
501 Mercantile Dallas Building
Dallas 1, Texas

Ross Zumwalt
P. N. Vinther
R. E. Miller
F. L. McFadden
J. T. Worley

April 12, 1961

Mr. Marshall Pennington
Texas Technological College
Lubbock, Texas

Re: Extension of Electrical Utilities
Distribution System

Dear Sir:

It is our considered opinion that the matter of liquidated damages against the Nelson Electric Company of Lubbock, Texas, should not be invoked inasmuch as their failure to complete within the allocated time was due to causes beyond their control - namely, the nondelivery of the G & W switches and the Allis-Chalmers switchgear in a reasonable time prior to the completion date established in their contract. The Nelson Electric Company has, in our opinion, done their utmost to cooperate with the College to maintain continuity of service and to provide service to the new football stadium.

Yours very truly,

ZUMWALT AND VINTHER

/s/ Ross Zumwalt

Ross Zumwalt

RZ:rr(d)

cc: Mr. Nolan E. Barrick

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 114

May 24, 1961

A meeting of the Campus Planning Committee was held on Wednesday, May 24, 1961, at 9:00 a.m. in Room 120 of the Administration Building. Members present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick, Colonel C. P. West, and Chairman M. L. Pennington. Others present were Mr. D. M. McElroy and Mr. Howard Schmidt, Mr. Bob Messersmith and Mr. Hoyse McMurtry of the Associated Architects and Engineers of Lubbock.

1600. Housing

Proposed Residence Hall for Women

As requested, Mr. Urbanovsky, Mr. Barrick, Mr. McMurtry, Mr. Messersmith, and Mr. Schmidt met yesterday to discuss the elevations, layout, and other features of the proposed project.

A. Basic Design Plan

The splayed plan has developed into the seemingly better plan for development and presentation to the Board as it would have fewer rooms directly facing Nineteenth Street, would have a more attractive exterior appearance, would provide more attractive and nicer lounge features, would cost no more than the "U" type, and would be more in keeping with the style of Horn, Knapp, Weeks, Gordon, Bledsoe, Thompson, Gaston, Wells, and Carpenter Halls. The project would be 496 feet long but would not be as long as the newer halls. The base plan would provide facilities for 760 women.

B. Distance from Nineteenth Street

The closest point to Nineteenth Street would be 190 feet and the main mass would be 246 feet.

C. Elevations

The architects presented a number of sketches and a small scale model. Color had been added by use of tile. The various elevations were studied and discussed in detail and the scale model was observed from all angles and was changed several ways to present other possibilities.

It was the consensus that the architects, with the additional design study, are getting much closer to a proper solution.

D. Tentative Budget

The architects presented a tentative budget which is attached to and made a part of the Minutes. (Attachment No. 331, page 926)

The architects explained that two different tentative budgets have been prepared. The original one was prepared at the request of the CPC and before plans were as far along as they are now. Since there has been an opportunity to develop the plans further with the CPC, the attached budget estimate is more refined. There are to be further refinements for presentation to the Building Committee on May 28, 1961.

The architects used the rate of \$16.60 per square foot for basic construction costs in the residential rooms.

Since the architects were trying to come under \$3,500,000 with the budget, some possible alternates are shown in the budget. If there were no alternates, the project could provide for 32 more women, and would provide a much more functionable project. The consensus favored the full 760 capacity with the possibility of taking some of the

1600. Housing (continued)Proposed Residence Hall for WomenD. Tentative Budget

alternates if feasible, providing sufficient funds could be borrowed from the HHFA. It was agreed that the Chairman would check with the HHFA to see if there is a possibility of going over \$3,500,000 with the loan. The total cost of the Kinsolving project at The University of Texas was approximately \$4,500,000 but it is thought that the loan was made before there were any restrictions on the amount.

It was agreed that the College would check on the estimated amount of interest to be charged during construction and report the amount to the architects in order that it could be included in the revised budget to be presented to the Building Committee on May 28, 1961.

The attached budget does not include movable furniture.

E. Air Conditioning

The architects pointed out that in all cost estimates, the system for air conditioning did not include provisions to heat one section and cool another at the same time. It would cost approximately \$25,000 to provide the feature. However, it could be provided for in the dining room only for approximately \$10,000. The CPC was inclined to doubt that there would be sufficient need to justify the installation of the feature.

In the further development of the plans, the architects are of the opinion that it would be best not to have 100% fresh air through the ventilation system during the season when neither heat nor cooling is required but to use the windows for ventilation at those times.

The architects reported that their calculations indicated that the air conditioning could be amortized in three to five years at the rate of \$10.00 per student per month.

F. Elevators

The number of elevators was discussed and it was agreed that they are expensive but if the number is reduced, it would mean that more women would have to climb the stairs. If one should be omitted on each side, it would be necessary to leave the shaft as the space could not be used for anything else and additional elevators could be added in the future.

G. Overflow Space

It was pointed out that the overflow space is not provided in the basic plans as presented as the project was exceeding \$3,500,000.

H. Schedule

If the design is not ready for the meeting on May 29, 1961 and it has to be presented at the next meeting in August, the construction schedule would be off to the extent that it probably would be impossible to have the structure ready in September 1963. It is planned for bids to be opened about November 1961 and to allow about twenty-one months for construction which would take until August 1963. If the completion date were that time, there would be one month to move in and get the project ready for occupancy.

The architects were of the opinion that the bidders would not add anything to their bid for liquidated damages if there were twenty-one months to do the construction.

M. L. Pennington
Chairman

The meeting adjourned at 11:05 a.m. The three architects and an engineer were requested to meet with the Building Committee and the CPC on the afternoon of May 28, 1961.

Campus Planning Committee
 May 24, 1961
 Attachment No. 331
 Item 1600

PROPOSED NEW WOMEN'S RESIDENCE HALL

Architect's Tentative Estimate Based on Plan Dated May 24, 1961

Construction Costs for 760 Spaces

Bedroom Wings	\$2,321,400	
Main Lounge, Serving Line Waiting and Informal Lounge	160,200	
Elevators	96,000	
Basement Area (Mechanical Area and Storage as Boys) 6800 sf at \$8.00	54,400	
Kitchen and Dining Area 14,760 at \$18.00	265,600	
Basement for Air Conditioning Equipment 6400 at \$8.00	51,200	
Air Conditioning Equipment and Ducts	150,000	
Portico, Arcades, Rear Entrance, Tile Roof at Kitchen Area	<u>70,000</u>	\$3,168,800

Site and Utilities

Parking, Drives and Curbs	40,000	
Walks	4,000	
Sprinklers and Grading	26,000	
Tunnel	60,000	
Utilities	<u>20,000</u>	150,000

Kitchen Equipment

85,000

Other Costs

Construction Contingencies	50,000	
Architect and Engineer Fees	158,440	
Government Field Expense	7,500	
Legal Expense	8,500	
Interest During Construction	112,000	
Project Contingency	<u>25,000</u>	<u>361,440</u>
TOTAL		<u>\$3,765,240</u>

Architect's Tentative Estimate Based on Plan Dated May 24, 1961

Less Possible Alternates

Omit 1-4 story bay, each unit (32 spaces)	\$ 71,000	
Omit Portico, Arcade, Rear Entrance, and Tile Roof at Kitchen	70,000	
Omit One Elevator, each unit	48,000	
Omit Vinyl Wall Covering	25,000	
Cut Air Conditioned Apartments to 2 bays each, add 8 spaces		
Omit Chilling Station for Second Hall	12,000	
Omit Informal lounge, move proposed second floor concession area to basement and use space as overflow and informal lounge, 1140 sf each at \$15.00	33,600	
Architects and Engineers Fees	<u>12,480</u>	<u>272,080</u>
TOTAL WITH POSSIBLE ALTERNATES		<u><u>\$3,493,160</u></u>

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 115

May 26, 1961

A meeting of the Campus Planning Committee was held on Friday, May 26, 1961, at 2:30 p.m. in Room 120 of the Administration Building. Members present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick, Colonel C. P. West, and Chairman M. L. Pennington. Others present were Mr. D. M. McElroy and Mr. Robert L. Mason.

1601. Chemical Engineering Building

Equipment

Mr. McElroy reported that President Goodwin favored the purchase of the items which were referred to him for his thoughts.

After consideration, the CPC voted to recommend the purchase of equipment at an estimated cost of \$39,491.00, the amount to be paid from Constitutional Building Amendment Funds. (Reference, Attachment No. 325, page 918, and Attachment No. 332, page 932)

1602. Classroom-Office Building

As there has been insufficient time to prepare the plans and specifications and take the bids for a turnkey job to install the acoustical panels in the Classroom-Office Building, the CPC voted to recommend the installation at an estimated cost of \$2,290.00 and to suggest that if the low bid is approximately the estimated amount, permit the CPC or the Building Committee to award the contract. The amount would be paid from the Unappropriated Balance.

1603. Housing

A. Proposed New Residence Hall for Women

The Chairman reported that Mr. Travis William Miller of the Regional HHFA Office in Fort Worth has stated that he thought it would be possible to borrow \$3,750,000.00, if necessary, in the current fiscal year and if it should not be possible to borrow the amount in one fiscal year, it could be split between this and the next fiscal year which starts on July 1.

1. Design and Development Progress Report

The CPC agreed to recommend the design and development progress report from the Associated Architects and Engineers, with the request that the Board consider approval of the preparation of final working drawings to be presented at the meeting on August 19, 1961.

It was agreed that other items to be discussed with the Building Committee would be the budgeted amount, time schedule, estimated cost for room and board, the submission of a preliminary request for reservation of funds, the full application for funds, and authorization to sign the necessary papers in keeping with the requirements of the HHFA.

2. Sewer Connections

The various ramifications of a long-range plan for sewage disposal were discussed at length and it was agreed that it would be necessary to discuss the problems with the Building Committee before a recommendation could be made.

1603. Housing (continued)A. Proposed New Residence Hall for Women3. Architects' Contract

The contract with the Associated Architects and Engineers of Lubbock for the work on the project has been delayed until sufficient information was known to recommend a contract. It now looks as if it would be in order to issue a contract, and the CPC voted to recommend that a contract be issued to the Associated Architects and Engineers of Lubbock at 5% in keeping with past actions of the Board and that the Chairman be authorized to sign.

B. Renovation of West HallPainting

Bids were opened and read aloud at 2:00 p.m. on May 25, 1961, in Room 105 of the Architecture-Computer Building in the presence of 18 interested persons.

After consideration, the CPC voted to recommend the award of a contract in the amount of \$10,300.00 to Brown Showcase and Fixture Manufacturing Company of Lubbock, the low bidder, to provide one coat of paint for the interior of West Hall in keeping with plans and specifications prepared by the Supervising Architect, the amount to be paid from Residence Hall Funds. A copy of the bid tabulation is attached to and made a part of the Minutes. (Attachment No. 333, page 933)

1604. LibraryStacks

After discussion of the equipment request from the Library, it was agreed that there should be no delay in the ordering of stacks as delivery will require approximately six months.

After consideration, it was agreed to recommend the purchase of 52,109 linear feet of shelving at an estimated cost of \$75,000.00, the amount to be paid from Constitutional Building Amendment Funds budgeted for equipment. It was agreed, in addition, to secure a unit price quotation for additional amounts of shelving if needed.

1605. Music

A study has revealed that it would be beneficial to divide the library room in the Music Building into two classrooms. Due to the heavy volume of work during the summer for Building Maintenance, it was agreed that it would be wise to recommend that a contract be awarded for the work at an estimated cost of \$3,500.00, the amount to be paid from the Unappropriated Balance.

As the work will have to be done during the summer, it was agreed to request that either the CPC or the Building Committee be authorized to award the contract between meetings.

1606. Other ItemsA. Disposal of M. E. Shop Building No. 50

Colonel West reported as follows:

"I have attempted to sell Building #50, Old Mechanical Engineering Shops, (Carrying Value \$24,859.40) since January of 1961. Surplus property such as pipe, switch panels and boxes have been removed from this building and it is estimated that this property has a salvage value of \$2,843.00.

1606. Other ItemsA. Disposal of M. E. Shop Building No. 50

"The building has been shown to six prospective buyers, however, no bid has been received. Mr. Herbert Hall has offered to tear down this building and clean the site except for the concrete foundation and slab at no cost to the College. It is recommended that Mr. Hall be given authority to accomplish this project.

"It is also requested that this item be placed on the agenda for the next Board of Directors Meeting."

The CPC voted to recommend acceptance of Colonel West's report.

B. Disposal of Old Meats Laboratory No. 82

The CPC voted to authorize Mr. Herbert Hall to remove the building above the concrete foundation and slab at no cost to the College and to clear the site for the salvage materials involved. The concrete foundation and slab will be removed under the contract with Bill Hood of Lubbock. The action of disposing of the building is in keeping with the Board's instructions.

C. Disposal of Old Physical Plant Buildings

The CPC voted to authorize Mr. Herbert Hall to remove Building No. 46, the tractor shed, for the materials, at no cost to the College and clear the site. The action is in keeping with instructions from the Board.

D. Sewage Disposal

The CPC agreed to discuss the ramifications and possible avenues of approach for a long-range sewage disposal plan with the Building Committee.

1607. Physical Plant Facilities

- A. The CPC voted to recommend the purchase of one file for the Central Warehouse, and two for Traffic-Security, at an estimated cost of \$575.00, to be purchased from Constitutional Building Amendment Funds budgeted for equipment.
- B. The CPC voted to recommend the purchase of 100 warehouse pallets, 3' x 4', at an estimated cost of \$3.50 each for the Central Warehouse, the amount to be paid from Constitutional Building Amendment Funds budgeted for equipment.

1608. Relocation of Farm FacilitiesLivestock Facilities (Including Poultry)1. Utilities

As it will be necessary to have utilities in the area when the buildings are completed during the late summer, it was agreed to recommend that plans and specifications be prepared by the Supervising Engineer and that bids be taken by July 10, 1961, with the contract award to be made by the Building Committee between Board meetings, the amount to be paid from Constitutional Building Amendment Funds.

2. Paving

As paving should be completed prior to the beginning of the fall semester, the CPC voted to recommend that plans and specifications be prepared by the Office of the Landscape Architect, with bids to be taken by July 10, 1961, with a contract award to be made by the Building Committee between Board meetings.

1608. Relocation of Farm Facilities (continued)Livestock Facilities (Including Poultry)3. Dairy Cattle Facilitiesa. Contract Award

Bids were opened and read aloud at 2:00 p.m. on May 26, 1961, in Room 105 of the Architecture-Computer Building in the presence of 27 interested persons. A copy of the bid tabulation is attached to and made a part of the Minutes. (Attachment No. 334, page 934)

After consideration, the CPC voted to recommend the award of a contract in the amount of \$40,260.00 to Stout Steel Builders of Tulia, Texas, the low bidder, for the construction of three metal buildings for dairy cattle facilities in keeping with plans and specifications prepared by the Office of the Supervising Architect, the amount to be paid from Constitutional Building Amendment Funds.

b. Equipment

In order to make the facility functional, the equipment set out in Attachment No. 229, page 922, is necessary with the exception of Item No. 11, "Laboratory Equipment," which can be considered later. After careful consideration, the CPC voted to recommend the procurement of the equipment at an estimated cost of \$13,025.00, the amount to be paid from Constitutional Building Amendment Funds budgeted for equipment.

4. Beef Cattle Facilities

Bids were opened and read aloud at 2:00 p.m. on May 26, 1961, in Room 105 of the Architecture-Computer Building in the presence of 27 interested persons. A copy of the bid tabulation is attached to and made a part of the Minutes. (Attachment No. 334, page 934)

After consideration, the CPC voted to recommend the contract award in the amount of \$5,861.00 to Stout Steel Builders of Tulia, Texas, the low bidder, for one metal building for beef facilities in keeping with plans and specifications prepared by the Office of the Supervising Architect, the amount to be paid from Constitutional Building Amendment Funds.

It is noted that the bid is for a bare building only with a concrete slab. No utilities or equipment are included.

5. Poultry Facilities

Bids were opened and read aloud at 2:00 p.m. on May 26, 1961, in Room 105 of the Architecture-Computer Building in the presence of 27 interested persons. A copy of the bid tabulation is attached to and made a part of the Minutes. (Attachment No. 334, page 934)

The CPC voted to recommend the award of a contract in the amount of \$20,673.00 to Stout Steel Builders of Tulia, Texas, the low bidder, for three metal buildings for the poultry facilities, in keeping with plans and specifications prepared by the Office of the Supervising Architect, the amount to be paid from Constitutional Building Amendment Funds.

The bid includes three bare buildings with dirt floors. It is estimated that from \$9,000.00 to \$10,000.00 will be required in addition for partitions and utilities in the project.

7710
4,234
48,316
40,260

861
109
18,970

1609. Track BleachersFinal Acceptance

The CPC voted to recommend a final acceptance date of April 22, 1961.

1610. UtilitiesElectrical Installation (Nelson Electric Company)

A copy of Mr. Mason's letter of May 25, 1961, is attached to and made a part of the Minutes. (Attachment No. 335, page 935)

After discussion of Mr. Mason's report and the punch list, it was agreed that no consideration be given until the punch list is corrected.

1611. Veterinary Science BuildingPost-mortem Room

The bids were opened and read aloud at 2:00 p.m. on May 25, 1961, in Room 105 of the Architecture-Computer Building in the presence of 18 interested persons. A copy of the bid tabulation is attached to and made a part of the Minutes. (Attachment No. 336, page 936)

After consideration, the CPC voted to recommend the award of a contract in the amount of \$12,777.00 to H. C. Lewis of Lubbock, the low bidder, for the post-mortem room in keeping with the plans and specifications prepared by the Office of the Supervising Architect, the amount to be paid from the Unappropriated Balance.

1612. Women's GymBasement Ventilation

Bids were opened and read aloud at 2:00 p.m. on May 25, 1961, in Room 120 of the Administration Building in the presence of 9 interested persons. A copy of the bid tabulation is attached to and made a part of the Minutes. (Attachment No. 337, page 937)

After consideration, the CPC voted to recommend that the project is feasible and the contract be awarded in the amount of \$4,060.00 to H. E. Taylor Company, Inc., of Lubbock, the low bidder, for the installation of mechanical equipment to provide proper ventilation for the basement in the Women's Gym, in keeping with plans and specifications prepared by the Project Architect, the amount to be paid from Constitutional Building Amendment Funds.

M. L. Pennington
Chairman

The meeting adjourned at 4:20 p.m.

Campus Planning Committee
 May 26, 1961
 Attachment No. 332
 Item 1601

TEXAS TECHNOLOGICAL COLLEGE
 Lubbock, Texas

Office of the Vice President
 and Comptroller

May 25, 1961

M E M O R A N D U M

TO: Mr. M. L. Pennington

SUBJECT: CHEMICAL ENGINEERING EQUIPMENT

It is recommended that the following items be added to the itemized list of Chemical Engineering Building Equipment as shown on Pages 918-D, E, F, and G of the Campus Planning Committee Minutes, Meeting No. 113 held May 20, 1961:

1 - Barnstad Still - - - - -	\$1,200.00
1 - Air Compressor, 5 HP - - - - -	599.00
65 - Tablet Arm Chairs @ \$12.00 - - - - -	780.00
2 - Instructor Tables @ \$40.00 - - - - -	80.00
2 - Instructor Chairs @ \$12.00 - - - - -	<u>24.00</u>
Total - - - - -	<u>\$2,683.00</u>

These additions will increase Item 3, General Equipment, under Summary of Equipment Request from the amount of \$985.00 to \$3,668.00, and will increase the total of the Summary of Equipment Request from \$36,808.00 to \$39,491.00. The itemization of these additions would occur under General Equipment as shown on Page 918-E, and have the same dollar effect on that section as just described.

/s/ D. M. McElroy

D. M. McElroy
 Assistant Comptroller

DMM:d

Campus Planning Committee
 May 26, 1961
 Attachment No. 333
 Item 1603-B

TABULATION OF BIDS
 REPAINTING OF WEST HALL
 TEXAS TECHNOLOGICAL COLLEGE
 LUBBOCK, TEXAS

OFFICE OF THE SUPERVISING
 ARCHITECT
 TEXAS TECHNOLOGICAL COLLEGE
 LUBBOCK, TEXAS

Time: 2:00 p.m., C.S.T.
 Date: May 25, 1961

B I D D E R	BID BOND	BASE BID
M. L. Adams	x	\$13,240.00
Jones Brothers	x	15,869.00
Ed Merrit	x	12,978.00
Brown Showcase & Fixture Mfg. Co.	x	10,300.00

Metal Buildings for Animal Husbandry Facilities
Texas Technological College
Lubbock, Texas

Time: 2:00 p.m., C.S.T.

Date: May 26, 1961

BID TABULATION

Bidder	Base Bid A	B	C	D	E	Alt. E1	Alt. E2	F	Alt. F1	G
W. B. Abbott	\$13,000	\$7,000	\$37,000	\$9,500	\$14,000	Add \$2,000	Add \$4,200	\$10,000	Add \$2,900	\$12,500
No. of Days <u>120</u>	Alt. 1-A	1-B	1-C	1-D	1-E	1-F	1-G			
Bid Bond <u>x</u>	No	No	No	No	No	No	No			
Addendum #1 <u> </u>	Change	Change	Change	Change	Change	Change	Change			
BIDDER OFFERS TO REDUCE TOTAL BID BY \$4,600 IF AWARDED CONTRACT FOR ALL BUILDINGS.										
John J. Carroll Co.	Base Bid A	B	C	D	E	Alt. E1	Alt. E2	F	Alt. F1	G
No. of Days <u> </u>				NO BID						
Bid Bond <u> </u>	Alt. 1-A	1-B	1-C	1-D	1-E	1-F	1-G			
Addendum #1 <u> </u>										
Clark Sales Co.	Base Bid A	B	C	D	E	Alt. E1	Alt. E2	F	Alt. F1	G
No. of Days <u> </u>				NO BID						
Bid Bond <u> </u>	Alt. 1-A	1-B	1-C	1-D	1-E	1-F	1-G			
Addendum #1 <u> </u>										
Mesco System Inc.	Base Bid A	B	C	D	E	Alt. E1	Alt. E2	F	Alt. F1	G
No. of Days <u> </u>				NO BID						
Bid Bond <u> </u>	Alt. 1-A	1-B	1-C	1-D	1-E	1-F	1-G			
Addendum #1 <u> </u>										

Campus Planning Committee
May 26, 1961
Attachment No. 334
Item 1608-3-a; 4; 5

Stout Steel Buildings For Nomad Constr. Co. No. of Days <u>90</u> Bid Bond <u>x</u> Addendum #1 <u> </u>	Base Bid A	B	C	D	E	Alt. E1 Add	Alt. E2 Add	F	Alt. F1 Add	G
	\$7,710	\$4,234	\$28,316	\$5,861	\$8,109	\$1,174	\$2,304	\$5,297	\$1,833	\$7,267
	Alt. 1-A Deduct \$330	1-B Deduct \$180	1-C Deduct \$1,961	1-D Deduct \$277	1-E Deduct \$422	1-F Deduct \$285	1-G Deduct \$361			
Panhandle Steel Bldgs. No. of Days <u>90</u> Bid Bond <u>x</u> Addendum #1 <u>x</u>	Base Bid A	B	C	D	E	Alt. E1 Add	Alt. E2 Add	F	Alt. F1 Add	G
	\$10,031	\$5,695	\$39,309	\$7,554	\$10,812	\$1,369	\$2,788	\$7,441	\$1,917	\$9,694
	Alt. 1-A No Bid	1-B No Bid	1-C No Bid	1-D No Bid	1-E No Bid	1-F No Bid	1-G No Bid			
Plains Steel Bldgs. No. of Days <u>90</u> Bid Bond <u>x</u> Addendum #1 <u> </u>	Base Bid A	B	C	D	E	Alt. E1 Add	Alt. E2 Add	F	Alt. F1 Add	G
	\$8,103	\$4,282	\$30,293	\$5,998	\$8,668	\$1,474	\$2,912	\$6,129	\$2,056	\$7,678
	Alt. 1-A No Bid	1-B No Bid	1-C No Bid	1-D No Bid	1-E No Bid	1-F No Bid	1-G No Bid			
BIDDER OFFERS TO REDUCE TOTAL BASE BID BY \$1,423 IF AWARDED CONTRACT FOR ALL BUILDINGS.										
F. N. Robinson Co. No. of Days <u> </u> Bid Bond <u> </u> Addendum #1 <u> </u>	Base Bid A	B	C	D NO BID	E	Alt. E1	Alt. E2	F	Alt. F1	G
	Alt. 1-A	1-B	1-C	1-D	1-E	1-F	1-G			
Stringer Constr. Co. No. of Days <u>180</u> Bid Bond <u>x</u> Addendum #1 <u> </u>	Base Bid A	B	C	D	E	Alt. E1 Add	Alt. E2 Add	F	Alt. F1 Add	G
	\$9,054	\$4,851	\$40,254	\$7,128	\$10,153	\$1,300	\$2,700	\$7,099	\$2,213	\$7,909
	Alt. 1-A Add \$1,035	1-B Add \$570	1-C Add \$6,500	1-D Add \$975	1-E Add \$1,585	1-F Add \$1,130	1-G Add \$1,130			

Campus Planning Committee
Attachment No. 335
Item 1610

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

Office of College Engineer

May 25, 1961

TO: Mr. M. L. Pennington

SUBJECT: EXTENSION OF ELECTRICAL DISTRIBUTION SYSTEM

A report was prepared on March 29, 1961, following an inspection of subject project. I attach a copy of the report to this memo for your convenience.

I was advised a few days ago that the discrepancies had been worked out and that the final inspection could now be made. On May 24th, I inspected approximately one-third of the system before reaching the conclusion that there was little to be gained by continuing with the inspection.

The major discrepancy at this time is the matter of circuit identification by means of tags, although a number of minor additional items must yet be attended to. You will note that more than a paragraph was devoted to the tags in the March 29th report.

I shall plan to get with the Contractor as soon as possible, and go thoroughly into the discrepancies. There is not a great deal of expense or work involved, relatively speaking, in taking care of the deficient items, yet I recommend that no additional payment be made until the project is entirely acceptable.

This project appears to have taken on certain aspects of the Classroom Building project in the sense that certain relatively inexpensive phases seem to drag on and on in wait of the correct remedy.

/s/ Robert L. Mason

Robert L. Mason
Supervising Engineer

RIM:d
Enclosure
cc: Mr. Nolan E. Barrick

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

Office of the
Supervising Engineer

March 29, 1961

M E M O R A N D U M

SUBJECT: Inspection of Extension of Electrical Distribution System

CONSULTING ENGINEERS FOR PROJECT: Zumwalt and Vinther, Lubbock, Texas

CONTRACTOR FOR PROJECT: Nelson Electric Co., Lubbock, Texas

A recent inspection of subject project was made by the Supervising Engineer for the College. Observed discrepancies and some brief comments have been noted hereon.

Electric manholes and pull box manhole numbers referred to conform to those used on the drawings.

Because no tags used were found to conform to specifications, the matter of tag deficiencies will be given only minor mention. Suitable tags, properly marked must yet be correctly installed in each and every manhole and pull box wherein work was done, per specifications.

It is suggested that Contractor refer to pages E-7 and E-8 of the Specifications for a review of the requirements on cable identification. It is suggested, also, that Contractor refer to page E-2, last paragraph, for requirements on installation of plugs in spare ducts in manholes and building walls.

Manhole 201: Trash and debris have not been cleaned out of the MH.

Manhole 201A: Incoming ground wire from north has not been attached to ground wire within the MH.

Manhole 309: Removable slab has not been sealed with tar.
Oil drips from oil fuse cutouts.
Considerable water has been in this MH recently, and was still a few inches deep. This MH contains transformers which are replacements for other transformers rendered inoperative due to flooding last fall.

Manhole 311: Electric conductors have not been pulled on into transformer vault for Chem. Engr. Bldg. and attached to cutouts therein. Conductors must be fireproofed. Removable slab must be tar sealed.
Water was standing in this MH at a level well above coiled-up wiring which will, later, be used to serve high voltage power to Chem. Engr. Bldg. This MH is adjacent to a test excavation where it was found that no concrete was placed beneath ducts during installation.

In Arch-Comp. transformer vault - Plug up spare duct from MH 311.

Manhole 312: Plug up spare ducts, and use metal tags for circuit identification same as at other type manholes.
Install metal sign per detail 2/2 of sheet 2 of 2 of drawings. Service lines are "Crossed-over" in this MH.

Manhole 109: Plug up spare ducts from Switch House as well as those leaving toward MH 312.

Inspection Report (continued)

March 29, 1961

Manhole 15: No tags are now on circuit heading southward.

Manhole 14: No tags are now on circuit heading southward.
Fill with cement plaster where wall chipped out during
breaking out the hole for conduit which serves the
Seismology Building. Oil drips from oil fuse cutout.

Manhole 13: No tags are now on circuits which leave for Agriculture
Building or the Tractor Lab.

Basement transformer vault in Agric. Bldg.: Plug up spare duct
entering building.

Manhole 4: Removable slab is not adequately tar sealed. Water has been
running in due to this fact. No tags have been installed.

Manhole 305: Spare ducts are not plugged.

Manhole 306: Evidence within this MH indicates that water has been draining
through ducts into this MH from two directions. This MH is
adjacent to a test section where it was found that no concrete
was placed on the underside of ducts during installation. No
plugs are in spare ducts in MH.

Manhole 307: No tags were used, spare ducts are not plugged.
No metal sign is installed, as required.

Manhole 315: No fireproofing or tag work has been done. Additional
work will be done later in this MH in course of work by
Nelson Electric Co. on the Student Union and Chilling
Station. Water is still standing above later-to-be-used
electric lines within this MH.

Pull box MH south of Home Eco. Bldg.: No tags were used and spare
ducts are not plugged up. No metal sign is installed,
as required. Service lines cross over in this MH.

Manhole 8: Two circuits each designated 103 leave through same
corner of south wall. One circuit goes to MH 11, with
the other going to MH 6. Identification must designate
which circuit goes to each of these manholes.

Southwest substation switchgear: Heater elements of the switchgear
have not been connected up.

Robert L. Mason
Supervising Engineer

RIM:mm

Campus Planning Committee
 May 26, 1961
 Attachment No. 336
 Item 1611

Bid Tabulation
 Remodeling of Veterinary Science Building
 Texas Technological College
 Lubbock, Texas

Time: 2:00 p.m., C.S.T.
 Date: May 25, 1961

B I D D E R	No. of Days	Bid Bond	Base Bid	Addendum #1 & #2
W. B. Abbott	100	x	\$13,489.00	x
Hammock Bros.	100	x	\$14,426.00	x
H. C. Lewis	60	x	\$12,777.00	x
Cecil Pharr	None	x	\$14,500.00	x

Campus Planning Committee
 May 26, 1961
 Attachment No. 337
 Item 1612

BASEMENT VENTILATING SYSTEM
 WOMEN'S GYMNASIUM BUILDING
 TEXAS TECHNOLOGICAL COLLEGE
 LUBBOCK, TEXAS

Brasher and Goyette
 Architects-Engineers
 Lubbock, Texas

BID DATE: May 25, 1961
 2:00 p.m.

BID TABULATION

B I D D E R S	BASE BID	ALTERNATE NO. 1
Anthony Company	\$4,100.00	+ \$1,025.00
O. W. Chisum Plumbing Co.	4,200.00	+ 800.00
Roche Newton & Co.	3,845.00	+ 925.00
Samson Company	4,163.00	+ 565.00
H. E. Taylor Co., Inc.	3,222.00	+ 838.00

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

AGENDA FOR A JOINT MEETING OF THE BUILDING COMMITTEE
AND CAMPUS PLANNING COMMITTEE AT 1:30 P.M.
IN THE OFFICE OF THE PRESIDENT
May 28, 1961

1613. Chemical Engineering Building

Equipment

Consider the recommendation of the CPC for the purchase of the attached list of estimated equipment at an estimated cost of \$39,491.00, the amount to be paid from Constitutional Building Amendment Funds. OK

1614. Classroom-Office Building

Sound Transmission

Consider the recommendation of the CPC to contract for a turnkey job to install acoustical panels in keeping with plans and specifications prepared by the Supervising Architect at an estimated cost of \$2,290.00, the amount to be paid from the Unappropriated Balance. OK

It is requested, if acceptable to the Board, that the Campus Planning Committee be allowed to award the contract if the cost is near that shown, plus ~~or minus~~ 5%? -OK-

1615. Housing

A. Proposed New Residence Hall for Women

1. Design and Development Progress Report

Consider the design and development progress report from the Associated Architects and Engineers, approval of the preparation and final working drawings to be presented at the meeting to be held in August, 1961, the budgeted amount, time schedule, estimated cost for room and board, the submission of a preliminary request for reservation of funds, and authorize someone to sign the necessary papers in keeping with the requirements of the HHFA.

The Architects presented a very thorough and well-prepared Preliminary Design and Construction Analysis and supported it by explanations, answering questions, layouts, slides, drawings, and a scale model. ✓

The Building Committee voted to recommend the proposed site, the proposed design, to authorize the applications for preliminary reservation ~~of funds~~ and full application for funds from the HHFA in the full of amount of the proposed budget which is \$3,816,240, (~~Interest will be~~ The current interest rate is $3\frac{1}{2}\%$), to authorize the vice president and comptroller to sign the applications with the usual and required resolutions to be signed by the Chairman of the Board (Mr. Wells is requested to prepare the stipulations ~~for the required resolutions and forms.~~), and to authorize the Associated Architects and Engineers to begin preparation of the final plans and specifications to be completed by October 1, 1961 with a progress report to be made at the meeting of the Board on August 19, 1961. ✓

1615. Housing (continued)A. Proposed New Residence Hall for Women2. Sewer Connections

The sewer provisions will be discussed under "Other Items."

3. Architects' Contract OK

Consider the recommendation of the CPC to issue a contract to the Associated Architects and Engineers of Lubbock, in keeping with prior action of the Board, at a fee of 5% and authorize the Chairman of the Board to sign the contract. ✓

B. Renovation of West HallPainting OK

Consider the award of a contract in the amount of \$10,300.00 to the Brown Showcase and Fixture Company of Lubbock, the low bidder, to provide one coat of paint for the interior of West Hall in keeping with plans and specifications prepared by the Supervising Architect, the amount to be paid from Residence Hall Funds. A copy of the bid tabulation is attached. ✓

1616. LibraryStacks OK ✓

Consider the recommendation of the CPC to approve the purchase of 52,109 linear feet of bookshelving at an estimated cost of \$75,000.00, the amount to be paid from Constitutional Building Amendment Funds budgeted for equipment. *by computer (hide)*

1617. Music Building

Consider the recommendation of the CPC that a contract be awarded in keeping with plans and specifications prepared by the Supervising Architect to divide the Library into two classrooms at an estimated cost of \$3,500.00, the amount to be paid from ~~Constitutional Building Amendment Funds~~. As the work will have to be done this summer, it is requested that either the CPC ~~or the Building Committee~~ be authorized to award the contract between meetings. ✓

← + 5% →

1618. Other ItemsA. Disposal of M. E. Shop Building No. 50 OK

Approve the action of the CPC in authorizing Mr. Herbert Hall to remove the materials above the concrete slab and clear the site in return for the salvage materials and at no cost to the College. The action is in keeping with prior instructions from the Board.

B. Disposal of Old Meats Lab Building No. 82 OK

Approve the action of the CPC in authorizing Mr. Herbert Hall to remove the building above the concrete foundation and slab at no cost to the College and to clean the site for the material involved. The foundation and slab will be removed under a contract with Bill Hood. The action is in keeping with prior instructions from the Board.

C. Disposal of Old Physical Plant Building OK

Approve the action of the CPC in authorizing Mr. Herbert Hall to remove Building No. 46, the tractor shed, for the salvage materials at no cost to the College and clear the site. The action is in keeping with prior instructions from the Board.

D. Sewage Disposal

Consider various proposals for long-range sewage disposal.

See if can do some trading for ROW, tie to relocation of some facilities also. (Whatever can trade, will want to do it in a hurry.)

Authorizing admin. to proceed with unmasking out ROW for industrial & gas, plus easements for sewer lines by the City, in return for other utility services by the City, etc. to provide the necessary easements.

Building Committee voted to recommend that the administration be authorized to proceed with working out ROW requested on West side of Indiana Street north of Fourth Street as requested by the City in return for other utility services by the City with the College to provide the necessary easements.

4
OK

1619. Physical Plant Facilities

- A. Consider the recommendation of the CPC to purchase one file for the Central Warehouse, and two for Traffic--Security at an estimated cost of \$575.00, the amount to be paid from Constitutional Building Amendment Funds budgeted for equipment. ✓
- B. Consider the recommendation of the CPC to purchase 100 pallets, 3' x 4', at an estimated cost of \$3.50 each for the Central Warehouse, the amount to be paid from Constitutional Building Amendment Funds budgeted for equipment. ✓

OK

1620. Relocation of Farm Facilities

A. Livestock Facilities (including Poultry)

1. Utilities

As it will be necessary to have utilities in the area when the buildings are completed, consider the recommendation of the CPC that plans and specifications be prepared by the Supervising Engineer, with bids to be taken about July 10, 1961, and the contract award to be made by the Building Committee between Board meetings. The cost would be paid from Constitutional Building Amendment Funds. ✓

OK

\$15,000
apply gas & electric

2. Paving

- Concrete in ^{feed} lots only - with ^{grading} - OK

As the paving should be completed prior to the beginning of the fall semester, consider the recommendation of the CPC that plans and specifications be prepared by the Office of the Landscape Architect, with bids to be taken about July 10, 1961, and the contract award to be made by the Building Committee between Board meetings.

\$25,000
no not include any roads or parking
have complete report on costs & facilities
need brown for
ing shed - concrete floor?
36' x 72'
Calf Room -
24' x 48'
Hay storage -
2' x 336' long - shed
excess on 2 ends
only - concrete floor
reasonably complete
warehouse as much as possible
as possible equip.

Dairy Facilities

a. Contract Award

Consider the recommendation of the CPC to award a contract in the amount of \$40,260.00 to Stout Steel Builders of Tulia, Texas, the low bidder, for the construction of three metal buildings for dairy cattle facilities in keeping with plans and specifications prepared by the Office of the Supervising Architect, the amount to be paid from Constitutional Building Amendment Funds. A copy of the bid tabulation is attached.

OK

with Cal
lined, g
\$220.
pattern set -

1620. Relocation of Farm Facilities (continued)

OK

3. Dairy Facilitiesb. EquipmentCompetitive
bids
for it

Consider the recommendation of the CPC to purchase the following equipment which is necessary to make the facilities operative at an estimated cost of \$13,025.00, the amount to be paid from Constitutional Building Amendment Funds:

- | | |
|---|--------------------|
| (1) Feed hoppers and automatic feeding auger,
and bulk feed storage tank - - - - - | \$3,500.00 |
| (2) Milking stanchions, individual stalls and
gates - - - - - | 800.00 |
| (3) Washers and weighers, milking lines and
milk pump - - - - - | 3,500.00 |
| (4) Bulk tank (1,000 gallons), 2 compressors
for bulk tank - - - - - | 5,100.00 |
| (5) Washing vat (on hand) | |
| (6) Washing tank for milk lines (on hand) | |
| (7) Pneumatic door operators (two) - - - - - | 100.00 |
| (8) Lockers - - - - - | 25.00 |
| Total - - - - - | <u>\$13,025.00</u> |

4. Beef Cattle Facilities

Feed milking bldg.)

OK

Consider the recommendation of the CPC for a contract award in the amount of \$5861.00 to Stout Steel Builders of Tulia, Texas, the low bidder, for the construction of one metal building for beef cattle facilities in keeping with plans and specifications prepared by the Office of the Supervising Architect, the amount to be paid from Constitutional Building Amendment Funds. A copy of the bid tabulation is attached.

The bid is for a bare building with concrete slab--no utilities or equipment included.

little office
30' x 48'
20' canopy at
shed at
north end

5. Poultry Facilities

20,673

OK

Consider the recommendation of the CPC for a contract award in the amount of \$20,673.00 to Stout Steel Builders of Tulia, Texas, the low bidder, for the construction of three metal buildings for poultry facilities in keeping with plans and specifications prepared by the Office of the Supervising Architect, the amount to be paid from Constitutional Building Amendment Funds. A copy of the bid tabulation is attached.

The bid provides three bare buildings with dirt floors. It is estimated that nine to ten thousand dollars (\$9,000.00-\$10,000.00) will be required for the installation of partitions, utilities, etc., in the project.

36' x 96' long
36' x 60'
36' x 80' Bldg

1621. Track BleachersFinal Acceptance

Consider the recommendation of the CPC for final acceptance as of April 22, 1961. OK ✓

1622. Veterinary Science BuildingA. Post-mortem Room

Consider the recommendation of the CPC for a contract award in the amount of \$12,777.00 to H. C. Lewis of Lubbock, the low bidder, for the construction of the post-mortem room in the Veterinary Science Building in keeping with plans and specifications prepared by the Supervising Architect, the amount to be paid from the Unappropriated Balance. A copy of the bid tabulation is attached. OK ✓

1623. Women's GymBasement Ventilation

Consider the recommendation of the CPC for the feasibility of the work and, if acceptable, a contract award in the amount of \$4,060.00 to H. E. Taylor Company, Inc., of Lubbock, the low bidder, for the installation of mechanical equipment to provide proper ventilation for the basement of the new Women's Gym in keeping with plans and specifications prepared by the Project Architects, the amount to be paid from Constitutional Building Amendment Funds. OK ✓

CHEMICAL ENGINEERING BUILDING EQUIPMENT

SUMMARY OF EQUIPMENT REQUEST

1. Laboratory Furniture	\$13,000.00
2. Office Equipment	2,036.00
3. General Equipment*	985.00
4. Instruments for Fractionating Column in Unit Operations and Process Control Laboratories	8,000.00
5. Analytical Laboratory	11,895.00
6. Demonstration Laboratory	<u>892.00</u>
TOTAL - - - - -	<u><u>\$36,808.00</u></u>

*It has been requested that a 3-5 GPM Barnstad still, estimated cost \$1,200.00 and a 5 HP air compressor, estimated cost \$599.00, or a total of \$1,799.00 be transferred to General Equipment from Item 7, Fabrication and Assembly Area (not shown above) which is being held pending investigation as to whether existing shops can perform this function.

ITEMIZED BREAKDOWN OF SUMMARY

Laboratory Furniture

Item	Quantity	Description	Total Cost
1	1	Sink Assembly	\$ 652.00
2	5	Wall Counters	
		1 @ \$1,295.00	
		1 @ \$ 509.00	
		1 @ \$1,668.00	
		1 @ \$1,787.00	
		1 @ <u>\$2,224.00</u>	7,483.00
3	6	Desk, Laboratory @ \$160.00	960.00
4	3	Distillation Table @ \$990.00	2,970.00
5	7	Balance Tables @ \$155.00	1,085.00
6	4	Laboratory Tables	
		1 @ \$2,385.00	
		1 @ \$ 998.00	
		1 @ \$ 496.00	
		1 @ <u>\$2,928.00</u>	<u>6,807.00</u>
		TOTAL - - - - -	<u><u>\$19,957.00</u></u>
		ESTIMATED COST* - - - - -	<u><u>\$13,000.00</u></u>

*By having these items fabricated locally and using Formica on the tops in view of Imperial and Alberene Stones, it is believed that these items can be secured at an estimated cost of \$13,000.00

Office Equipment

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Total Cost</u>
1	5	Double Pedestal Desks, Oak Finish @ \$150.00	\$ 750.00
2	5	Tables, Oak Finish, 30" x 43" @ \$25.00	125.00
3	5	Swivel Chairs, Oak Finish @ \$45.00	225.00
4	7	Side Arm Chairs, Oak Finish @ \$25.00	175.00
5	1	Secretary Desk	150.00
6	6	Filing Cabinets with Locks @ \$55.00	330.00
7	2	Two-door Cupboards with Locks @ \$100.00	200.00
8	2	Side Chairs without Arms @ \$18.00	36.00
9	1	Posture Chair	45.00
TOTAL - - - - -			<u>\$2,036.00</u>

General Equipment

1	1	Opaque Projector	285.00
2	1	Projection Screen, 84" x 84"	55.00
3	1	Dry Ice Cabinet	185.00
4	1	Ice Box	55.00
5	1	Refrigerator with Freezer Compartment	330.00
6	3	Emergency Floodlights @ \$25.00	75.00
TOTAL* - - - - -			<u>\$985.00</u>

*It has been requested that a 3-5 GPM Barnstad still, estimated cost \$1,200.00 and a 5 HP air compressor, estimated cost \$599.00, or a total of \$1,799.00 be transferred to this classification from Item 7, Fabrication and Assembly Area.

Unit Operations Laboratory
(Instrumentation of Fractionating Column)

1	3	Electronic Consotrol Recorders @ \$215.00	645.00
2	3	E-6 Housings @ \$50.00	150.00
3	3	Electronic Consotrol Controllers @ \$255.00	765.00
4	3	E-3 Housings @ \$40.00	120.00
5	2	Electronic Consotrol Square Root Computers @ \$200.00	400.00
6	2	E-3 Housings @ \$40.00	80.00
7	2	Electronic Consotrol Multiplier Computers @ \$950.00	1,900.00
8	2	E-6 Housings @ \$50.00	100.00
9	1	Ratio Set Unit	350.00
10	1	E-6 Housing	50.00
11	5	Thermometer Wells @ \$16.00	80.00

Chemical Engineering Building Equipment (continued)

Unit Operations Laboratory
(Instrumentation of Fractionating Column)

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Total Cost</u>
12	2	Resistance Bulb Assemblies @ \$66.00	\$ 132.00
13	350'	Conductor copper lead wire	61.00
14	2	Electronic Consotrol Flow Transmitters @ \$567.50	1,135.00
15	1	Power Unit and Distribution Panel	710.00
16	1	Electronic Consotrol Level Transmitter	490.00
17	1	Electronic Consotrol Pressure Transmitter	375.00
18	2	Electronic Consotrol Temperature Difference Transmitters @ \$400.00	800.00
19	2	E-3 Housings @ \$40.00	80.00
TOTAL - - - - -			<u>\$8,423.00</u>
ESTIMATED COST* - - - -			<u>\$8,000.00</u>

*By combining the pen action on some of these recording instruments, it is believed that efficient instrumentation can be secured for an expenditure of and not to exceed \$8,000.00

Analytical Laboratory Equipment

1	1	Demineralizer, Bantam	95.00
2	1	Gas Apparatus	75.00
3	1	Melting Point Apparatus	125.00
4	1	Ball Mill	329.00
5	2	Heat of Vaporization Apparatus @ \$25.00	50.00
6	1	Balance, Specific Gravity	45.00
7	1	Hygrometer	65.00
8	1	Spectro-Electrometric Tetrotian Apparatus	675.00
9	1	Spectronic 20, Bausch and Lomb	281.00
10	1	Chart Recorder	675.00
11	1	Electrolytic Analyzer	560.00
12	1	Thermistor Thermometer	175.00
13	1	Glassblowing Kit	246.00
14	1	Fisher Surface Tensiometer	585.00
15	1	Gas Chromatograph	1,650.00
16	1	Constant Voltage Transformer	81.00
17	1	Recorder, Bristol	890.00

Chemical Engineering Equipment (continued)

Analytical Laboratory Equipment

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Total Cost</u>
18	1	Balance Mettler B5 Macro	\$ 906.00
19	1	Ultraviolet-visible Automatic Recording Spectrophotometer	<u>4,387.00</u>
TOTAL - - - - -			<u>\$11,895.00</u>

Demonstration Laboratory

1	6	Folding Tables, 72" Long x 36" Wide @ \$50.00	300.00
2	24	All Steel Folding Chairs with Padded Seat @ \$8.00	192.00
3	2	Easels, Metal @ \$40.00	80.00
4	4	Metal Bookcases, 48" High x 34½" Wide x 18" Deep @ \$80.00	<u>320.00</u>
TOTAL - - - - -			<u>\$892.00</u>

Fabrication and Assembly Area

This item in the amount of \$22,076.00 does not appear in the Summary and will not be itemized until it has been determined whether or not existing facilities on the campus can perform the function of this shop. (It is from this area for which the request was made to transfer the Barnstad still at an estimated price of \$1,200.00 and the 5 HP air compressor at an estimated cost of \$599.00 for a total estimated cost of \$1,799.00 to Item 3, General Equipment.)

The amount of \$2,683.00 should be added to General Equipment, Item No. 3 in the Summary of Equipment Request as shown on the first page of this list. The General Equipment amount will then be \$3,668.00 and the Summary total will be \$39,491.00.

The items represented by the above addition are:

1 - Barnstad Still	\$1,200.00
1 - 5 HP Air Compressor	599.00
65 - Tablet Arm Chairs @ \$12.00	780.00
2 - Instructors Tables @ \$40.00	80.00
2 - Instructors Chairs @ \$12.00	<u>24.00</u>
Total	<u>\$2,683.00</u>

Campus Planning Committee
 May 26, 1961
 Attachment No. 333
 Item 1603-B

TABULATION OF BIDS
 REPAINTING OF WEST HALL
 TEXAS TECHNOLOGICAL COLLEGE
 LUBBOCK, TEXAS

OFFICE OF THE SUPERVISING
 ARCHITECT
 TEXAS TECHNOLOGICAL COLLEGE
 LUBBOCK, TEXAS

Time: 2:00 p.m., C.S.T.
 Date: May 25, 1961

B I D D E R	BID BOND	BASE BID
M. L. Adams	x	\$13,240.00
Jones Brothers	x	15,869.00
Ed Merrit	x	12,978.00
Brown Showcase & Fixture Mfg. Co.	x	10,300.00

1615-B

Time: 2:00 p.m., C.S.T.
Date: May 26, 1961

[illegible]

Stout Steel Buildings For Nomad Constr. Co. No. of Days <u>90</u> Bid Bond <u>x</u> Addendum #1 <u> </u>	Base Bid A	B	C	D	E	Alt. E1 Add	Alt. E2 Add	F	Alt. F1 Add	G
	\$7,710	\$4,234	\$28,316	\$5,861	\$8,109	\$1,174	\$2,304	\$5,297	\$1,833	\$7,267
	Alt. 1-A Deduct \$330	1-B Deduct \$180	1-C Deduct \$1,961	1-D Deduct \$277	1-E Deduct \$422	1-F Deduct \$285	1-G Deduct \$361			
Panhandle Steel Bldgs. No. of Days <u>90</u> Bid Bond <u>x</u> Addendum #1 <u>x</u>	Base Bid A	B	C	D	E	Alt. E1 Add	Alt. E2 Add	F	Alt. F1 Add	G
	\$10,031	\$5,695	\$39,309	\$7,554	\$10,812	\$1,369	\$2,788	\$7,441	\$1,917	\$9,694
	Alt. 1-A No Bid	1-B No Bid	1-C No Bid	1-D No Bid	1-E No Bid	1-F No Bid	1-G No Bid			
Plains Steel Bldgs. No. of Days <u>90</u> Bid Bond <u>x</u> Addendum #1 <u> </u>	Base Bid A	B	C	D	E	Alt. E1 Add	Alt. E2 Add	F	Alt. F1 Add	G
	\$8,103	\$4,282	\$30,293	\$5,998	\$8,668	\$1,474	\$2,912	\$6,129	\$2,056	\$7,678
	Alt. 1-A No Bid	1-B No Bid	1-C No Bid	1-D No Bid	1-E No Bid	1-F No Bid	1-G No Bid			
BIDDER OFFERS TO REDUCE TOTAL BASE BID BY \$1,423 IF AWARDED CONTRACT FOR ALL BUILDINGS.										
F. N. Robinson Co. No. of Days <u> </u> Bid Bond <u> </u> Addendum #1 <u> </u>	Base Bid A	B	C	D NO BID	E	Alt. E1	Alt. E2	F	Alt. F1	G
	Alt. 1-A	1-B	1-C	1-D	1-E	1-F	1-G			
Stringer Constr. Co. No. of Days <u>180</u> Bid Bond <u>x</u> Addendum #1 <u> </u>	Base Bid A	B	C	D	E	Alt. E1 Add	Alt. E2 Add	F	Alt. F1 Add	G
	\$9,054	\$4,851	\$40,254	\$7,128	\$10,153	\$1,300	\$2,700	\$7,099	\$2,213	\$7,909
	Alt. 1-A Add \$1,035	1-B Add \$570	1-C Add \$6,500	1-D Add \$975	1-E Add \$1,585	1-F Add \$1,130	1-G Add \$1,130			

Campus Planning Committee
 May 26, 1961
 Attachment No. 336
 Item 1611

Bid Tabulation
 Remodeling of Veterinary Science Building
 Texas Technological College
 Lubbock, Texas

Time: 2:00 p.m., C.S.T.
 Date: May 25, 1961

B I D D E R	No. of Days	Bid Bond	Base Bid	Addendum #1 & #2
W. B. Abbott	100	x	\$13,489.00	x
Hammock Bros.	100	x	\$14,426.00	x
H. C. Lewis	60	x	\$12,777.00	x
Cecil Pharr	None	x	\$14,500.00	x

Campus Planning Committee
 May 26, 1961
 Attachment No. 337
 Item 1612

BASEMENT VENTILATING SYSTEM
 WOMEN'S GYMNASIUM BUILDING
 TEXAS TECHNOLOGICAL COLLEGE
 LUBBOCK, TEXAS

Brasher and Goyette
 Architects-Engineers
 Lubbock, Texas

BID DATE: May 25, 1961
 2:00 p.m.

BID TABULATION

B I D D E R S	BASE BID	ALTERNATE NO. 1
Anthony Company	\$4,100.00	+ \$1,025.00
O. W. Chisum Plumbing Co.	4,200.00	+ 800.00
Roche Newton & Co.	3,845.00	+ 925.00
Samson Company	4,163.00	+ 565.00
H. E. Taylor Co., Inc.	3,222.00	+ 838.00

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 116

May 28, 1961

A joint meeting of the Building Committee of the Board of Directors and the Campus Planning Committee was held on Sunday, May 28, 1961, at 1:30 p.m. in the Office of the President.

Members of the Building Committee present were Mr. Harold Hinn and Mr. Wilmer Smith. In addition, Mr. C. I. Wall was present and, at the request of Mr. Hinn and Mr. Smith, served as Chairman. Mr. Floyd A. Wooldridge and Mr. Manuel DeBusk entered the meeting at 3:10 p.m.

Members of the Campus Planning Committee present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick, Colonel C. P. West and Chairman M. L. Pennington. In addition, Dr. R. C. Goodwin, Mr. J. Roy Wells, Mr. D. M. McElroy, Mr. Robert L. Mason, Mr. John G. Taylor and Mr. Robert B. Price were present.

The Project Architects were represented by Mr. Hoyse McMurtry, Mr. John Stuart, Mr. Howard Schmidt, Mr. Bob Messersmith and Mr. P. E. Love. They entered the meeting at 2:45 p.m. and remained until it terminated at 5:30 p.m.

In order that the results of the meeting of the Board of Directors may be included in the CPC Minutes for record purposes, the action taken by the Board at the meeting on May 29, 1961, will follow that of the Building Committee for each item.

1613. Chemical Engineering Building

Equipment

Approved the purchase of the equipment list at an estimated cost of \$39,491.00, the amount to be paid from Constitutional Building Amendment Funds. (Reference, Attachment No. 325, page 918D, and Attachment No. 332, page 932)

(The Board of Directors approved.)

1614. Classroom-Office Building

Sound Transmission

Approved the recommendation of the CPC to contract for a turnkey job to install acoustical panels in the ceiling in keeping with plans and specifications prepared by the Supervising Architect at an estimated cost of \$2,290.00, the amount to be paid from the Unappropriated Balance.

Approved the recommendation that the Campus Planning Committee be allowed to award the contract between Board meetings if the cost does not exceed the estimate by more than 5%.

(The Board of Directors approved.)

1615. HousingA. Proposed New Residence Hall for Women1. Design and Development Progress Report

The architects presented a very thorough and well-prepared "Preliminary Design and Construction Analysis" and supported it by layouts, slides, drawings, a scale model, explanations and answering questions.

The Building Committee voted to recommend the proposed site, the proposed design, authorize the application for preliminary reservation and full application for funds from the HHFA in the amount of the proposed budget which is \$3,816,240.00 (the current interest rate is 3½%), authorize the Vice President and Comptroller to sign the applications with the usual and required resolutions to be signed by the Chairman of the Board (Mr. Wells is requested to prepare the stipulations for the required resolutions and forms), and to authorize the Associated Architects and Engineers to begin preparation of the final plans and specifications to be completed by October 1, 1961, with a progress report to be made at the meeting of the Board on August 19, 1961.

(The Board of Directors approved.)

2. Architects' Contract

Approved the issuance of a contract to the Associated Architects and Engineers of Lubbock, in keeping with prior action of the Board, at a fee of 5% and authorized the Chairman of the Board to sign.

(The Board of Directors approved.)

B. Renovation of West HallPainting

Approved a contract award in the amount of \$10,300.00 to the Brown Showcase and Fixture Manufacturing Company of Lubbock, the low bidder, to provide one coat of paint for the interior of West Hall, in keeping with plans and specifications prepared by the Supervising Architect, the amount to be paid from Residence Hall Funds. (Reference, Item No. 1603-B, page 928)

(The Board of Directors approved.)

1616. LibraryStacks

Approved the purchase of 52,109 linear feet of bookshelving at an estimated cost of \$75,000.00, the amount to be paid from Constitutional Building Amendment Funds budgeted for equipment. The purchase will be made by means of competitive bids.

Changed to Unappropriated.

(The Board of Directors approved.)

1617. Music Building

Approved the recommendation of the CPC that a contract be awarded in keeping with plans and specifications prepared by the Supervising Architect to divide the Library Room into two classrooms at an estimated cost of \$3,500.00, the amount to be paid from the Unappropriated Balance, and authorized the CPC to award the contract between meetings provided the cost does not exceed the estimated amount by more than 5%.

(The Board of Directors approved.)

1618. Other ItemsA. Disposal of M. E. Shop Building No. 50

Authorized Mr. Herbert Hall to remove the materials and clear the site in return for the salvage materials and at no cost to the College. The concrete slab will remain.

(The Board of Directors approved.)

B. Disposal of Old Meats Lab Building No. 82

Authorized Mr. Herbert Hall to remove the building at no cost to the College and to clear the site for the material involved. The foundation and slab will remain and be removed under the contract with Bill Hood.

(The Board of Directors approved.)

C. Disposal of Old Physical Plant Building

Authorized Mr. Herbert Hall to remove Building No. 46, the tractor shed, for the salvage materials at no cost to the College and clear the site.

(The Board of Directors approved.)

D. Sewage Disposal

The Building Committee discussed the needs for sewage disposal from the new Women's Residence Hall and a long-range plan for other disposal.

After consideration, the Building Committee voted to recommend that the Administration be authorized to proceed with working out the right of way requested on the west side of Indiana Avenue, north of Fourth Street, as requested by the City in return for utility services by the City, with the College to provide the necessary easements.

(The Board of Directors approved.)

1619. Physical Plant FacilitiesEquipment

1. Approved the purchase of one file for the Central Warehouse, and two for Traffic-Security at an estimated cost of \$575.00, the amount to be paid from Constitutional Building Amendment Funds.
2. Approved the purchase of 100 pallets, 3' x 4', at an estimated cost of \$3.50 each for the Central Warehouse, the amount to be paid from Constitutional Building Amendment Funds budgeted for equipment.

(The Board of Directors approved.)

1620. Relocation of Farm FacilitiesLivestock Facilities (including Poultry)1. Utilities

Approved the recommendation of the CPC that plans and specifications be prepared by the Supervising Engineer, with bids to be taken by July 10, 1961, and the contract award to be made by the Building Committee between Board meetings, the cost to be paid from Constitutional Building Amendment Funds. The estimated cost is \$15,000.00 and the services would be chiefly gas and water.

(The Board of Directors approved.)

1620. Relocation of Farm Facilities (continued)Livestock Facilities (including Poultry)2. Lot Paving and Grading

The item covers the concrete in feed lots and the necessary grading at the site.

Approved the recommendation of the CPC that plans and specifications be prepared by the Office of the Landscape Architect, with bids to be taken by July 10, 1961, and the contract award to be made by the Building Committee between Board meetings.

The estimated cost is \$29,000.00, of which \$25,000.00 is for concrete paving and \$4,000.00 for grading, and does not include paving for any roads or service areas.

(The Board of Directors approved.)

3. Dairy Facilitiesa. Contract Award

Approved a contract award in the amount of \$40,260.00 to Stout Steel Builders of Tulia, Texas, the low bidder, for the construction of three metal buildings for dairy cattle facilities in keeping with plans and specifications prepared by the Office of the Supervising Architect, the amount to be paid from Constitutional Building Amendment Funds. (Reference, Item No. 1608-3a., page 930)

The feed barn is 36' x 72', the calf barn 24' x 48', and the hay storage is 72' x 336'. The hay storage is open on the north and south sides but has a concrete floor. Mr. Barrick reported that the buildings will be reasonably complete and that as much of the existing equipment as possible would be salvaged and reused.

The Building Committee voted to use the light tan finish rather than galvanized.

b. Equipment

Approved the purchase of the following equipment which is necessary to make the facilities operative at an estimated cost of \$13,025.00, the amount to be paid from Constitutional Building Amendment Funds:

(1) Feed hoppers and automatic feeding auger, and bulk feed storage tank- - - - -	\$3,500.00
(2) Milking stanchions, individual stalls and gates - - - - -	800.00
(3) Washers and weighers, milking lines and milk pump - - - - -	3,500.00
(4) Bulk tank (1,000 gallons), 2 compressors for bulk tank - - - - -	5,100.00
(5) Washing tank for milk lines (on hand)	
(6) Washing vat (on hand)	
(7) Pneumatic door operators (two)- - - - -	100.00
(8) Lockers - - - - -	25.00
Total- - - - -	<u>\$13,025.00</u>

The equipment is to be bought by competitive bids in keeping with past practices.

(The Board of Directors approved.)

1620. Relocation of Farm Facilities (continued)Livestock Facilities (Including Poultry)4. Beef Cattle Facilities

Approved a contract award in the amount of \$5,861.00 to Stout Steel Builders of Tulia, Texas, the low bidder, for the construction of one metal building for beef cattle facilities in keeping with plans and specifications prepared by the Office of the Supervising Architect, the amount to be paid from Constitutional Building Amendment Funds. (Reference, Item No. 1608-4, page 930)

The bid is for a bare building with concrete slab, no utilities or equipment included. The building is 30' x 48', has a little office in one end and a 20' canopy or shed at the north end.

5. Poultry Facilities

Approved a contract award in the amount of \$20,673.00 to Stout Steel Builders of Tulia, Texas, the low bidder, for the construction of three metal buildings for poultry facilities in keeping with plans and specifications prepared by the Office of the Supervising Architect, the amount to be paid from Constitutional Building Amendment Funds. (Reference, Item No. 1608-5, page 930)

The bid provides for three bare buildings with dirt floors - layer house, 36' x 96'; pullet and turkey house, 36' x 60'; broiler house, 36' x 80'.

It is estimated that \$9,000.00 to \$10,000.00 will be required for the installation of partitions, utilities, etc., in the project.

(The Board of Directors approved.)

1621. Track BleachersFinal Acceptance

Approved final acceptance as of April 22, 1961.

(The Board of Directors approved.)

1622. Veterinary Science BuildingPost-mortem Room

Approved a contract award in the amount of \$12,777.00 to H. C. Lewis of Lubbock, the low bidder, for the construction of the post-mortem room in the Veterinary Science Building in keeping with plans and specifications prepared by the Supervising Architect, the amount to be paid from the Unappropriated Balance. (Reference, Item No. 1611, page 931)

(The Board of Directors approved.)

1623. Women's GymBasement Ventilation

Approved a contract award in the amount of \$4,060.00 to H. E. Taylor Company, Inc., of Lubbock, the low bidder, for the installation of mechanical equipment to provide proper ventilation for the basement of the new Women's Gym in keeping with plans and specifications prepared by the Project Architects, the amount to be paid from Constitutional Building Amendment Funds. (Reference, Item No. 1612, page 931)

(The Board of Directors approved.)

M. L. Pennington
Chairman

The meeting adjourned at 5:30 p.m.

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 117

June 8, 1961

A meeting of the Campus Planning Committee was held on Thursday, May 8, 1961, at 9:00 a.m. in Room 120 of the Administration Building. Members present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick, Colonel C. P. West, and Chairman M. L. Pennington. In addition, Mr. D. M. McElroy was present.

Mr. Robert L. Mason entered the meeting at 9:30 a.m. and remained until 11:55 a.m.

1624. Approval of Minutes

On motion by Mr. Barrick, seconded by Colonel West, the Minutes of Meetings Nos. 111, 112, 113, 114, 115 and 116 were approved.

1625. President's Approval of Minutes

The Chairman reported that the President approved the Minutes of Meeting No. 111 on May 22, 1961; 112 and 113 on May 12, 1961; and 114, 115 and 116 on June 3, 1961.

1626. Agricultural Plant Sciences Building

A. Equipment

The lab equipment, which is being fabricated, is scheduled for delivery next week. Bids on the fixtures for the lab tables are in and are being analyzed.

B. Millwork

Brown Showcase and Fixture Manufacturing Company, the fabricator, has been notified that there are some errors in the construction and the Company is to work them out. There are 24 pieces installed and tied in; there are 34 pieces yet to be installed and about one-half of the remaining pieces needs to have adjustments.

1627. Chemical Engineering Building (Cain & Cain, \$326,003, May 22, 1961)

A. Construction Progress

The contractor is trying to finish setting stair treads in the stair tower which is the last item remaining to be done. It is estimated that there are about two more weeks of work and cleaning up.

B. Equipment (Estimated cost, \$39,491)

The specifications are in the process of being prepared as well as the bidders list. It looks as if it will be necessary to add a two-ton chain hoist, estimated at \$500, as there are no provisions in the building or the present equipment list for a hoist.

1628. Creamery Addition (Milk Receiving Facility)
(W. B. Abbott, \$15,345, Oct. 9, 1961)

Construction Progress

Construction progress is very good; the masonry is up, and the contractor is ready to set the roof slabs.

1629. Classroom-Office Building

A. Sound Transmission (Estimated cost, \$2,290)

Plans and specifications are being completed in order to request bids.

B. Items Remaining to Be Done

Mr. Turner Kimmel has been in contact with Mr. Duncan. Mr. Kimmel's letter of June 3, 1961, is attached to and made a part of the Minutes. (Attachment No. 338, page 952)

The work can be done only after the end of the summer session.

1630. Financial Report

The over-all report is attached to and made a part of the Minutes. (Attachment No. 339, page 953)

It was agreed that a special meeting will be held later to discuss the over-all financial report and the Relocation of Farm Facilities report.

1631. Housing

A. Married Students

No further information has been received.

B. Proposed New Residence Hall for Women (\$3,816,240, Aug. 1, 1963)

1. For the records, the architect presented the following items to the Building Committee and the CPC on May 28, 1961, and discussed each in detail: site, plot plan, floor plan, elevations, layout, kitchen, dining room, formal lounge, informal lounge, ingress and egress, circulation inside and out, private outside areas, number of floors, height above grade (60 feet; the ridge of the Administration Building is 59 feet +), distance to Nineteenth Street, height and distance from the street of other buildings, apartments, elevators, service areas, concessions, air conditioning, typical room, etc.

In addition, the Architects supported the discussion with slides, a very well-prepared brochure, and an excellent scale model.

The budget of \$3,816,240 was discussed and adopted. The estimated charge for room and board was studied.

2. The Project Architects made the same fine presentation to representatives of Food Service, Supervision, and Maintenance at 10:00 a.m. on June 5, 1961, in the Architecture-Computer auditorium.

3. Cost

It was agreed to send a breakdown of information from the HHFA application to the Architects with the statement that it is mandatory to work in every reasonable economy due to the cost of room and board in the project and instruct them to stay as near \$3,500,000 as possible.

4. Architects Fee

The contract with the Associated Architects and Engineers of Lubbock has been executed. The contract covers construction costs estimated at \$3,168,800 and does not include the installation of walks, drives, parking lots, etc. The Architects could be requested to handle any of the other items if it becomes necessary.

1631. Housing (continued)B. Proposed New Residence Hall for Women (\$3,816,240, Aug. 1, 1963)5. Cost of Room and Board

To fund the project, the minimum estimate is \$90.00 and the maximum is \$99.30 per month. If the project is to be completely self-supporting, \$99.30 would be required to fund the total estimated budget.

The Chairman reported that the preliminary application for funds in the amount of the full budget, \$3,816,240, was filed on June 3, 1961. (The HHFA has assigned the following number and description to the application: Project CH-TeX-150(D), Texas Technological College, Lubbock, Texas.)

6. Further Consultation

It was agreed that it would be wise for the Architects to check the preliminary plans for the apartments with Food Service Supervision representatives.

C. Retile Bathrooms in Bledsoe and Gordon Halls

(Art Terrazzo and Tile Company, \$33,759, Aug. 19, 1961)

The tile is on hand and the plumber and plasterer are at work. It has been necessary to reschedule some of the work due to the fact that one wing of Bledsoe is being used for the overflow of students from Sneed Hall during the first term of the summer session.

D. Renovation of West Hall1. Partitions (Hammock Brothers, \$4,738, Aug. 1, 1961)

The Office of the Supervising Architect has checked the shop drawings and returned them to the contractor. The material is scheduled for delivery the second week of July and if the material is received at that time, there should be no problem in meeting the completion schedule.

2. Painting (Brown Showcase and Fixture Manufacturing Company, \$10,300, Aug. 1, 1961)

The contractor is on the job. He is cleaning the walls and patching plaster. Actual painting should start next week.

1632. Library (J. M. Odom Construction Company, \$2,146,379)A. Construction Progress

The concrete is still being tested; the masonry on the first floor is about complete; and the bulk of the tilework is finished in the basement and on the first floor. A new superintendent has come onto the job and work seems to be progressing fairly well.

B. Stacks (52,109 linear feet, \$75,000)

The specifications are complete and the bidders list is being compiled. It was agreed that bids should be taken on an assembled and installed basis and a contract issued.

1633. Meats LabEquipment

All of the equipment which has been delivered has been hooked up and is in use. It was necessary to cancel the order for the hog killing chute and the lab table due to high cost. The two items will be reordered.

1634. Mechanical Engineering ShopsEquipment (Milling Machine)

No further information has been received.

1635. Music BuildingDivision of Library into Two Classrooms (Estimated cost, \$3,500)

The needs have been checked with the Head of the Department and plans and specifications are pretty well worked out. The room will be available from June 30, 1961 through the rest of the summer. Requests for bids will be issued on June 19, 1961 and opened at 2:00 p.m. on June 29, 1961.

1636. Museum

At the last meeting, the Board agreed that if the City of Lubbock officially approves the construction and maintenance of a Museum, Texas Tech will cooperate in providing an adequate site.

As the CPC will be requested to recommend a site, it was agreed that the members should do some thinking of possible sites in case the Museum is approved. It was also agreed that it would be well to gather the information available on the proposed City Museum and the proposed Agricultural Museum in order to coordinate both with the over-all College construction program, if requested to do so.

1637. Operating ProceduresA. Plaques

At the last meeting, the Board of Directors approved the following policy for plaques in each new building: the plaque will contain the name of the building, the name and title of the Chairman of the Board of Directors, an alphabetical list of Board members, the name of the President and his title, the name of the general contractor, the name of the architect, and the year the project is let.

In addition, the Board instructed the Administration to fill in the box which goes behind the cornerstone with the aid of other committees and the CPC. As soon as the box is filled and in place, the stone is to be installed with a blank exterior.

The CPC agreed to recommend to the President that an appropriate committee be formed to determine the contents of the box which is to go behind the cornerstone. The CPC will be happy to assist in any way possible.

B. Toilet Accessories in Future Buildings

It was agreed that, in all future building projects, the College will supply the toilet accessories and the plans and specifications will call for the contractor to install fixtures furnished by the College. There is to be no deviation.

C. Supplemental Project Information

As difficulty is experienced from time to time in having a ready reference available for each project to show the name of the contractor, the cost, and the scheduled completion date, it was agreed that the Minutes would show the information in conjunction with the item head in every case possible. The information is available in this set of Minutes.

1638. Other ItemsConcrete Removal (Bill Hood, \$2,500)

The contractor has completed approximately 80 per cent of the removal.

1638. Other Items (continued)B. Report on Meeting with City Officials on Sewage Disposal, Sewage Effluent, Indiana Right of Way, and Electrical Contract

Mr. Urbanovsky and the Chairman met with City Manager Clifton and City Engineer Hickerson from 8:30 a.m. until approximately 10:15 a.m. on June 7, 1961. The City Manager agreed to recommend to the City Commission at the meeting to be held on June 8, 1961, that the City accept the sewage at the College property line on Fourth Street rather than the College property line at the north-west corner of the farm. It was agreed that line capacity should be sized to provide for at least ten years or so of anticipated growth. The College is to make a study of estimated future needs and report the findings to the City Manager.

The information was conveyed that the Board of Directors accepted the use of the sewage effluent from the new disposal plant in keeping with terms and conditions presented in the past.

Mr. Clifton and Mr. Hickerson made the statement that the right of way requested on Indiana north of Fourth Street has nothing to do with the sewage disposal and should not be considered as such even though such an arrangement was made for the Nineteenth Street right of way. The reason given for requesting the right of way from the College is that the College had given no right of way on Indiana and that the entire request should be taken from the College's side for that reason. No recognition was accepted for the fact that all of College Avenue and the Freeway, much of Fourth Street, the additional amount for Nineteenth Street, and others have been taken solely from the College.

It was mentioned that the electrical contract was approved for the next biennium subject to negotiations.

C. Building Disposal1. Disposal of M. E. Shop Building, No. 50

Work started on June 7, 1961.

2. Disposal of Old Meats Laboratory, No. 82

The removal was completed on June 5, 1961, and the site has been cleared.

3. Old Physical Plant Building No. 46

The removal was completed on June 5, 1961, and the site has been cleared.

Mr. Hall is doing an excellent job of removal and clearing the sites.

D. Building Signs

At the last meeting, the Board of Directors instructed the CPC and the Administration to make a study of the labeling of all buildings on the campus with signs the size and type of that on the Texas Technological College Bookstore.

It was agreed that there should be a thorough study which should be under the direction of Mr. Urbanovsky and that steps be taken, as soon as feasible, to determine the names, signs, number of bronze markers in existence, and all other pertinent information.

1639. Psychology

After a very thorough discussion, it was agreed that the information pertaining to Psychology needs will be restudied and the possibility of financing a Psychology Building reinvestigated.

1640. Relocation of Farm FacilitiesA. Agronomy and HorticultureToilet Facilities

Mr. Mason's letter of June 2, 1961 is attached to and made a part of the Minutes. (Attachment No. 340, page 954)

It was agreed that the cesspools would be installed as soon as feasible and the expense borne by Departmental ME&T Accounts as the facilities are temporary. Also, departmental labor from the Agronomy and Horticulture Departments would be used to dig the actual pits.

B. Livestock Facilities (Including Poultry)1. Utilities

Mr. Mason reported that the plot layout is complete for the entire area involved and that the development of plans and specifications are proceeding according to schedule.

2. Lot Paving and Grading (Estimated cost, \$29,000)

After considerable discussion, it was agreed to postpone the discussion of the item pending completion of the financial and over-all report.

3. Dairy Facilitiesa. Milking Parlor (C. M. Pharr, \$40,800, Sept. 24, 1961)

(1) Construction Progress: Very good.

(2) Equipment (Estimated cost, \$13,025)

The plans and specifications are almost prepared to the extent that they can be passed to Mr. McElroy for purchase.

b. Metal Buildings (Feed Barn, Calf Barn, and Hay Storage)
(Stout Steel Builders, \$40,260, 90 days)

(1) Date of Contract: May 29, 1961

(2) Date of Work Order

It is impossible to issue a work order until the grades are set and the location of the building determined.

(3) Date of Completion

The date can be determined only after the work order is issued.

(4) Construction Progress

The contractor has notified the manufacturer to provide the shop drawings which have not been received as yet.

4. Beef Cattle Facilitiesa. Metal Building (Stout Steel Builders, \$5,861, 90 Days)

(1) Date of Contract: May 29, 1961

(2) Date of Work Order

It is impossible to issue a work order until the grades are set and the location of the building determined.

1640. Relocation of Farm Facilities (continued)B. Livestock Facilities (Including Poultry)4. Beef Cattle Facilitiesa. Metal Building (Stout Steel Builders, \$5,861, 90 Days)(3) Date of Completion

The date can be determined only after the work order is issued.

(4) Construction Progress

The contractor has notified the manufacturer to provide the shop drawings which have not been received as yet.

5. Herd Attendants Housing (H. C. Lewis, \$22,843, Aug. 19, 1961)a. Construction Progress

Progress has been excellent.

b. Water Tap

The contractor has decided not to request the tap.

C. Poultry Facilities (Stout Steel Builders, \$20,673, 90 Days)1. Three Metal Buildings (Layer House, Pullet and Turkey House, and Broiler House)a. Date of Contract: May 29, 1961b. Date of Work Order

It is impossible to issue the work order until the grades are set and the location of the building is determined.

c. Date of Completion

The date can be determined only after the work order is issued.

d. Construction Progress

The contractor has notified the manufacturer to provide the shop drawings which have not been received as yet.

e. Partitions and Utilities Within Building
(Estimated cost, \$10,000)

After discussion, it was agreed that it would be well to pull plans and specifications together and attempt to take bids on July 10, 1961.

D. Financial Report

As the final figures are not yet available, it was agreed to complete the comprehensive, all inclusive report and hold a separate meeting at a later date on the financial aspects of the Relocation of Farm Facilities and the over-all building program.

1641. Rifle Range

Mr. McElroy reported that representatives of the Office of the Coordinator of Disaster and Relief stated that no federal or state funds will be available for such a project to be used as a fallout shelter.

- - - - -

(The meeting recessed at 11:55 a.m. and reconvened at 1:30 p.m.)

1642. Science Building (Carl E. Maxey, \$431,707, Feb. 13, 1962)

Construction Progress

Progress is very satisfactory. The first floor is poured.

1643. Seismometer Vault (W. B. Abbott, \$4,220, Sept. 3, 1961)

Progress Report

The excavation is completed.

1644. Speech

After a great deal of discussion, it was agreed to restudy the feasibility of the proposed conversion of the Dairy Barn to a theater, the funds required, the years of possible use and other pertinent factors.

1645. Student Union (V & N. Construction Company)

A. Construction Progress

Progress is good. Concrete work on the frame is almost complete. The installation of brickwork on the exterior has been under way for some two weeks.

B. Equipment Status

The study of equipment and the selection of materials is still progressing.

1646. Utilities

A. Electrical Installation (Nelson Electric Company)

1. Final Acceptance and Liquidated Damages

Mr. Mason reported that he is due to inspect the facilities on Friday of this week, June 9, 1961.

B. Water Lines and Sprinklers

Due to the press of other work, the installation has been retarded but is still under way.

C. Six-inch Line Around Women's Tennis Courts

Due to the press of other work, it has been possible to do very little on the project.

1647. Veterinary Science Building

A. Post-mortem Room (H. C. Lewis, \$12,777, Aug. 4, 1961)

1. Date of Contract: May 29, 1961.

2. Date of Work Order: June 5, 1961.

3. Completion Date: August 4, 1961.

4. Construction Progress

The contractor is preparing the necessary shop drawings and ordering materials.

1648. Walks and Drives

A. In Vicinity of Agricultural Plant Sciences

The last bit of concrete remains to be removed before work can begin.

1648. Walks and Drives (continued)

B. Access Road Behind Meats Laboratory

Mr. Urbanovsky will present drawings for the facility at the next meeting.

C. Street Repairs Progress

All materials are on hand except the rock.

1649. Women's Gym

A. Basement Ventilation (H. E. Taylor, \$4,060)

1. Construction Progress

The contractor has the equipment on order but has not notified the College of the expected delivery date.

B. Gym Proper Ventilation

There has been insufficient time to make the necessary study but Mr. Mason has it on his Agenda for the first available opportunity.

M. L. Pennington
Chairman

The meeting adjourned at 2:40 p.m., the next meeting to be held to discuss the Financial Reports (Over-all), and Relocation of Farm Facilities at 9:00 a.m. on Wednesday, June 14, 1961.

Campus Planning Committee
June 8, 1961
Attachment No. 338
Item 1629B

THE BUTLER - KIMMEL COMPANY
412 Avenue M

P. O. Box 418

Dial P03-1929

ARCHITECTS
Lubbock, Texas

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

R. Turner Kimmel, A.I.A.

June 3, 1961

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

Re: Classroom-Office Building

Dear Nolan:

As a follow-up of our telephone conversation yesterday, in regards to the miscellaneous work still required on the above project; we have been in contact with Mr. Duncan's bonding company and they have in turn been in contact with Mr. Duncan.

Mr. Duncan contacted us and informs us that he has been in contact with Crawford Painting Company. We informed Mr. Duncan of the dates the building would be available to him for finishing this work and he assures us that the work will be done when the building is available at the close of the summer school session.

We have had numerous correspondence and telephone conversations with various paint manufacturers, in an effort to find the best solution to the chalkboard problem. We are of the opinion that the Beckley-Cardy chalkboard paint used on the test board (the black paint) is the best choice. Beckley-Cardy will not guarantee this paint on plaster. This paint is manufactured for resurfacing chalkboard on hardboard. After a review of this problem, they recommend a two coat job.

We will stay in contact with Mr. Duncan and will keep you informed of the work schedule.

Very truly yours,

THE BUTLER-KIMMEL COMPANY

/s/ R. Turner Kimmel

R. Turner Kimmel, A.I.A.

RTK/tw

Campus Planning Committee
June 8, 1961
Attachment No. 339
Item 1630

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

REVIEW OF
CONSTITUTIONAL BUILDING AMENDMENT FUNDS
May 30, 1961

Funds Available May 30, 1961	\$ 8,527,014
Estimated Investment Income to August, 1961	25,725
Total Funds August, 1961 (Estimated)	<u>\$ 8,552,739</u>

<u>Building</u>	<u>Revised Original Cost Estimate</u>	<u>Summary Actual, Estimated or Original Estimate</u>
Steam Boiler and Housing	\$ 250,000	\$ 232,796(c)
Classroom-Office	118,000	1,045,667(c)
Textile Engineering	290,000	293,206(c)
Science Addition	525,000	431,707(c)
Library (See Exhibit I F)	1,825,000	2,146,379(c)
Physical Plant and Press (1)	535,000	527,215(c)
Mechanical Engineering Shops (1)	315,000	314,542(c)
Women's Gymnasium	250,000	294,004(c)
Computer-Architecture (2)	645,000	682,661(c)
Speech (See Exhibit I A)	117,000	117,000(n)
Relocation of Farm Facilities (3)		
(See Exhibit I B)	375,000	434,399(p)
Chemical Engineering (5)	324,895	326,003(c)
Nuclear Reactor (2) (5)	180,105	180,105(s)
Agricultural Plant Sciences	375,000	387,536(c)
Psychology (3)	175,000	175,000(n)
TV Station	100,000	100,000(n)
Equipment for Buildings		
(See Exhibit I C)	415,000	415,000(p)
Utility Extensions (4)		
(See Exhibit I D)	420,000	495,098(p)
Walks and Drives (4)		
(See Exhibit I E)	80,000	80,000(p)
Tennis Courts		25,908(c)
Deep Soil Test		<u>3,290(c)</u>
Total- - - - -	<u>\$8,315,000</u>	<u>\$8,707,516</u>
Balance		<u>\$ (154,777)</u>

- (1) \$40,000 transferred to Mechanical Engineering Shops from Physical Plant.
 (2) \$20,000 transferred to Computer-Architecture from Chemical Engineering and Nuclear Reactor for air conditioning.
 (3) \$100,000 transferred to Psychology from Relocation of Farm Facilities.
 (4) \$270,000 transferred to Utility Extension from Walks, Drives, and Parking.
 (5) Original appropriation of \$505,000 prorated on basis of Chemical Engineering contract.

- (a) Architects working on plans.
 (c) Completed or under contract.
 (n) No definite action taken on revised original appropriation.
 (p) Partially contracted or recommended, final cost undetermined.
 (s) Study and recommendations required.

() Red Figure.

EXHIBITS

I A Speech

Appropriation	\$ 117,000
Stage at Dairy Barn	56,000
Balance- - - - -	<u>\$ 61,000</u>

I B Relocation of Farm Facilities

Appropriation		\$ 375,000
Meats Lab	\$ 218,361	
Dirt Fill	8,000	
Moving Millhouse	498	
Agronomy and Horticulture		
Metal Buildings	24,675	
Dairy Metal Buildings	40,260	
Dairy Equipment	13,025	
Dairy Milking Parlor	40,800	
Beef Cattle Metal Buildings	5,861	
Poultry Metal Buildings	20,673	
Poultry Buildings Partitions, etc.	10,000	
Concrete Pens	29,000	
Herd Attendants' Housing	22,893	
Setting Grades	125	
Water and Gas Line	228	434,399
Balance - - - - -		<u>\$ (59,399)</u>

I C Equipment for Buildings

Appropriation		\$ 415,000
Textile Engineering	\$ 7,807	
Classroom-Office	62,345	
Architecture-Computer	30,849	
Women's Gymnasium	13,436	
Meats Lab	21,519	
Agricultural Plant Sciences	36,793	
Physical Plant	37,318	
M. E. Shop	13,000	
Chemical Engineering	39,491	
Library Stacks	75,000	337,558
Balance- - - - -		<u>\$ 77,442</u>

I D Utilities

Appropriation		\$ 420,000
Classroom-Office Building	\$ 1,290	
Farm Residences Water Lines	5,207	
Air Conditioning Survey	7,500	
Agricultural Plant Sciences	5,355	
M. E. Shops	6,783	
Storm Sewer to 19th & College	6,000	
6" Tap and 4" Meter	1,275	
Switchgear and Expansion Joints	36,627	
Electrical Extensions	84,706	
Tunnel Extensions	211,890	
Advertising for Bids	70	
Engineers' Fees	19,993	
Water Line at Women's Gym	900	
Sprinkler at C&O and Textile	7,300	
Relocation of Farm Facilities	15,000	
Telephone Conduit to Physical Plant	292	
Subtotal Work Complete or Contracted- - - - -	\$410,188	
Central Chilling Station Space	26,884	
Central Chilling Station		
Mechanical Unallocated	58,026	495,098
Balance- - - - -		<u>\$ (75,098)</u>

EXHIBITS

I E Walks, Drives, Parking Areas

Appropriation		\$ 80,000
West 14th Street and north of Textile	\$ 7,363	
Women's Gym Drive	3,867	
Paving Removed between C&O and Textile	950	
Walks at Women's Gym and Architecture-Computer	8,384	
Other Miscellaneous Walks	2,179	22,743
Balance - - - - -		<u>\$ 57,257</u>

I F Library

Appropriation		\$ 1,825,000
General Contract	\$ 1,874,821	
Elevator	66,360	
Architects' Fees	97,059	
Consultant	409	
Drilling Test Holes	336	
Advertising for Bids	70	
Air Conditioning Equipment	107,324	2,146,379
Balance - - - - -		<u>\$ (321,379)</u>

POSSIBLE ALLOCATION OF CONSTITUTIONAL BUILDING AMENDMENT FUNDS

Available
BalanceAvailable Balance IF:

Priority list is completed as contracted,
recommended or originally estimated \$ (154,777)

The following unstarted projects are deleted,
and suggested transfers made:

TV Station	\$100,000	
Nuclear Reactor	180,105	
Transfer from Student Union (a)	<u>34,850</u>	
Balance- - - - -	-\$314,955	\$160,178

Psychology is increased to estimated needs \$200,000 \$(39,822)

(a) \$34,850 for utilities (per revised SUB project budget sent to
HHFA, March 17, 1961)

Campus Planning Committee
 June 8, 1961
 Attachment No. 340
 Item 1640A

TEXAS TECHNOLOGICAL COLLEGE
 Lubbock, Texas

Office of College Engineer

June 2, 1961

Colonel C. P. West, Director
 Building Maintenance & Utilities
 Campus

Re: Installation of Rest Room and
 and Sink Fixtures in Agronomy
 Farm Building

Dear Colonel West:

I recommend that fixtures be installed in accordance with Dr. Young's work order request (Form BM-3) dated January 13, 1961, which is returned herewith.

Drains from these fixtures should extend through the building wall or foundation as high as conveniently possible and be piped into a cesspool for the present. We would expect, at a later date, to run the waste lines from near the building wall to a permanent sewer connection.

It may be a year or two (I would guess not more than 2 years) before a permanent sewer line is installed, which would accommodate this building.

Meanwhile, the cesspool might well be a simple hole in the ground, some $5\frac{1}{2}$ ft. wide at the top, 6 ft. long and $5\frac{1}{2}$ ft. deep. The hole could taper from top to bottom with width and length being 1 to $1\frac{1}{2}$ ft. less than the top dimensions. A cover of railroad crossties which are 8 ft. long and which are now on hand could be used, with a dirt covering on top of the ties. Such a cover would prevent any vehicle or animal from breaking through, should it pass across the top.

I see no reason why such a cesspool would not serve satisfactorily until the permanent sewer service becomes available. I am available to assist in locating the most appropriate spot for the cesspool, or to assist in any other aspect of the job.

Outside the sphere of this work request, but still within the general subject of sewer services for other farm facilities is my recommendation that similar temporary cesspool arrangements be provided for the Horticulture Building, Herd Attendants House, Milking Facilities, and new Poultry Building. The exact size of each cesspool would vary to suit the needs of each building.

Yours very truly,

/s/ Robert L. Mason

Robert L. Mason
 Supervising Engineer

RLM:rna(d)

cc: Mr. M. L. Pennington
 Mr. Elo Urbanovsky
 Mr. Nolan E. Barrick

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

MINUTES OF THE CAMPUS PLANNING COMMITTEE

Meeting No. 118

June 14, 1961

955

*Check Board
minutes also
for agenda*

A meeting of the Campus Planning Committee was held on Wednesday, June 14, 1961, at 9:00 a.m. in Room 120 of the Administration Building. Members present were Mr. E. J. Urbanovsky, Mr. Nolan E. Barrick, Colonel C. P. West, and Chairman M. L. Pennington. In addition, Mr. D. M. McElroy, Mr. R. L. Mason, and Mr. R. B. Price were present.

At the last meeting, it was agreed that the special meeting would be held with primary consideration of the over-all Financial Report and one for the Relocation of Farm Facilities.

1650. Financial Report

The over-all Financial Report was considered in detail with the Relocation of Farm Facilities Financial Report. The over-all report is Attachment No. 339 to Item 1630, page 953 of the Minutes of Meeting No. 117.

The recommendations which follow under the Relocation of Farm Facilities add a recommended additional amount of \$44,344.00.

1651. Other Items

A. Building Disposal

1. Sale of Building No. 47

A copy of Colonel West's memorandum of June 14, 1961, in which he recommended sale of the building to Mr. Herbert Hall for \$250.00, with the understanding that he clear the site except for the concrete foundation, was read.

The CPC voted to approve the sale in keeping with prior authorization from the Board. The memorandum is attached to and made a part of the Minutes. (Attachment No. 341, page 961)

2. Sale of Building No. 45

A copy of Colonel West's memorandum of June 14, 1961, recommending sale of the building to Mr. Herbert Hall for \$200.00, with the exception of the old paint shop at the west end, with the understanding that he clear the site except for the concrete foundation, was read.

The CPC voted to approve the sale, in keeping with Board authorization, and the memorandum is attached to and made a part of the Minutes. (Attachment No. 342, page 962)

In addition, Colonel West recommended that the old paint shop at the west end be sold to Mr. Bill G. Daniels, Chief of the Security-Traffic Department, for the sum of \$25.00, with the understanding that Mr. Daniels will clear the site with the exception of the concrete foundation.

In keeping with authorization from the Board, the CPC voted to accept the offer. In keeping with the rules and regulations of the Board of Directors, the Chairman is to write the required docket item requesting permission to sell College property to a staff member.

1652. Relocation of Farm FacilitiesA. Financial Report

Mr. McElroy had prepared "A Study of Relocation of Farm Facilities Appropriations and Requests" which served as a basis of the discussion. The study is attached to and made a part of the Minutes. (Attachment No. 343, page 963)

All items which have been approved are shown in order to develop the over-all picture. Each was reviewed and each new item was discussed in detail and examined as carefully as possible in view of need and estimated funds available. Action on individual items is as follows:

B. Dairy FacilitiesMechanical and Electrical

Mr. Mason explained that the estimated amount is required for outfitting the three buildings for water, sewer and gas and the buildings cannot be used without the facilities. It was agreed to recommend the addition.

Roads

The CPC believed that the paving of service drives in the area of the milking parlor and the adjacent feeding pens was most important and voted to recommend the item.

Wood Fence, Windbreak, 220 ft. @ \$3.00--\$660.00

It was agreed that some other solution might be found or the fence could be added at a later date by the Department.

Gates, 12 ft., 19 at \$50.00--\$950.00

A check was made and it was agreed that the number of gates requested is minimum and there is no alternative but to secure them.

Fence, 18,210 ft., @ 2¢ Installed (Surplus Cable)--\$364.00

Labor for poles, 310 @ \$1.00--\$310.00

Posts, 310 @ \$2.50--\$775.00

Labor on heavy posts, 80 @ \$2.00--\$160.00

Labor on line posts, 230 @ \$1.00--\$230.00

As all of the above items are necessary for required fencing, the CPC agreed to recommend the installation.

Water Troughs, 8 @ \$50.00--\$400.00

The number requested is minimum, are required and the old ones cannot be reused. The CPC voted to recommend the purchase.

Pipe, 802 ft. of 1" and 190 ft. of 2" @ \$1.00--\$992.00

The water line is necessary to supply water to the water troughs.

The CPC voted to recommend the procurement.

1652. Relocation of Farm Facilities (continued)C. Livestock FacilitiesMechanical and Electrical

Mr. Mason explained that the estimated amount is required for outfitting the building for water, sewer and gas and the building cannot be used without the facilities. It was agreed to recommend the addition.

Overhead Feed Bins (including supporting steel structure)
(\$4,531.00), and Feed Handling Equipment--\$720.00

The CPC voted not to recommend the procurement of the equipment as a request was made for the building with the understanding there would be some way to make out until the equipment can be secured from other sources. Although the equipment is needed to operate efficiently, the CPC felt that it did not have as high priority as other items which were recommended.

Asphalt, 2122 sq. yds. @ \$1.50--\$3,000.00

The paving is for essential service drives to the livestock feeding pens. The CPC voted to recommend the items.

Scales and Housing--\$2,550

As it is absolutely necessary to weigh the animals accurately and there are no scales in the vicinity which could be used, the CPC voted to recommend the acquisition.

Fencing, 9630 ft. @ 2.8¢--\$268.00 (Surplus cable with freight)

Labor on Fence--\$450.00

Posts, line, 400 @ \$2.50--\$1,000.00

Posts, corner, 50 @ \$3.00--\$150.00

Labor, 450 poles @ \$1.25--\$563.00

Gates, 12 ft., 38 @ \$50.00--\$1,900.00

As the above items are necessary for required fencing, the CPC agreed to recommend the procurement.

Water Troughs, 15 @ \$50.00--\$750.00

The number requested is minimum, are required and the old ones cannot be used. The CPC voted to recommend the purchases.

Water pipe and hydrants, 1480 ft. @ \$1.00--\$1,480.00

The water line and hydrants, are necessary to supply water to the water troughs and to provide water for the area.

The CPC voted to recommend the procurement.

Working pens, 1300 ft. of 5 ft. @ \$4.00--\$5,200.00

After thorough consideration, the CPC was of the opinion that the working pens would not have as high priority as the other pens and, therefore, recommended not to include the acquisition.

1652. Relocation of Farm Facilities (continued)D. Poultry FacilitiesEquipment--\$5,780.00

After a very lengthy discussion, which included all the thoughts the members could muster, the CPC voted to recommend the following:

Stove

This item be held in abeyance until Colonel West and Mr. Mason can see what might be on hand for possible use.

Heater

The heaters be eliminated from the list as the Physical Plant Department has enough on hand.

Feeders

Items 3, 4, and 5--due to the low unit cost and the scarcity of funds, be procured from Maintenance, Equipment and Travel Funds in the quantities needed.

Founts

Items 6, 7, 8 and 9 be held in abeyance pending the further investigation by Mr. McElroy.

Nests

Item No. 10--recommended the procurement.

Item No. 11--recommended that the egg baskets be obtained from Maintenance, Equipment and Travel Funds.

Incubator

Recommended the procurement.

Egg Cooler Humidifier

Recommended the procurement.

Miscellaneous

Items 13, 14, and 15--recommended that the needed items be procured from Maintenance, Equipment and Travel Funds.

Automatic Light Clock

Mr. Mason reported that the item is included in the mechanical and electrical items and, therefore, it was eliminated.

Mylar (Polyethelene 6 Mil)

Item No. 16--agreed that it comes under the heading of consumable supplies and should be procured from Maintenance, Equipment and Travel Funds.

Drive Fans

Item 17--agreed to hold the item in abeyance until Mr. Mason has an opportunity to check out the need, size of fans requested and cost.

1652. Relocation of Farm Facilities (continued)D. Poultry FacilitiesDipped G.I. Cans

Item 18 -- 24-30 gal.--that the items in the quantity needed be procured from Maintenance, Equipment and Travel Funds.

Starter Battery Brooder

Item 19 -- 1-1000 chick--recommended that the item be procured.

Growing Battery Brooder

Item 20 -- 4-250 chick--recommended that the four brooders be obtained.

Egg Candles

Item 21 -- 20 B & B--recommended that the twenty candles be obtained.

E. Herd Attendants HousingWalks - \$250.00

It was agreed to recommend that the minimum quantity of walks be installed.

F. Roads and Drives to Area

It was recommended that the roads be decreased from 28 ft. in width to 24 ft.; that the road be terminated at the east corner of the horse area; that the drive from the street to the Poultry Buildings be eliminated; that the drive to the residence and parking area be included; and, by majority vote, recommended that the street be paved from the south side of the underpass to Flint Avenue. The total revised estimated cost is \$22,940.00.

G. Utilities

It was agreed that the water main, gas main, cesspools, sewer line and reservoir must be installed, and the CPC voted to recommend the installation of the items.

The total revised recommended amount for the
"Relocation of Farm Facilities" is \$478,743.00.

H. Building Committee Approval

The recommendation on "Relocation of Farm Facilities" was made to the Building Committee and Mr. Wall that all the items be approved with the exception of the roads and that the CPC be authorized to prepare plans and specifications for the roads, with bids to be presented to the Board at the meeting on August 19, 1961, as there would be time for the installation before cold weather arrives. The detailed items were checked with Mr. Smith when he was in the office on June 15, 1961, and with Mr. Hinn and Mr. Wall by phone on June 16, 1961.

The voting was as follows:

Mr. Smith	"Aye"
Mr. Hinn	"Aye"
Mr. Wall	"Aye"

1653. Texas Tech PressAir Conditioning

A letter from Mr. Bengé Daniel, Manager of Texas Tech Press, in which he requests air conditioning for the Press and sets forth his reasons is attached to and made a part of the Minutes. (Attachment No. 344, page 964)

Both Mr. Barrick and Mr. Mason have inspected the facilities and the conditions and concur that air conditioning is needed. President Goodwin concurred with the thinking.

After consideration, the CPC voted to recommend that air conditioning be installed at an estimated cost of \$12,000 to \$15,000 to be borne by the Press and that the Project Architects, Davis, Foster, Thorpe and Associates of El Paso, be requested to handle the item as an extra to the contract. It was agreed that the Chairman is to clear the recommendation with the Building Committee, with the hope that the work may be started on the design and study prior to the Board Meeting on August 19, 1961.

The Texas Tech Press has funds on hand to finance the installation.

M. L. Pennington
Chairman

The meeting adjourned at 11:55 a.m.

Campus Planning Committee
June 14, 1961
Attachment No. 341
Item 1651A-1

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

Building Maintenance
and Utilities

June 14, 1961

M E M O R A N D U M

To: Mr. M. L. Pennington

Subject: Disposition of Surplus Building

I have attempted to sell building No. 47, Electric and Plumbing Shops (carrying value \$10,101.44), since January 1961 and it has been shown to five prospective buyers, however, only one bid has been received. Mr. Herbert Hall has bid \$250.00 for this building and has offered to tear it down and clear the site except for the concrete foundation and slab on or before 30 August 1961.

Surplus property such as electric panel, lead cable and 2 x 6 lumber have been removed from this building and it is estimated that their salvage value is \$420.00.

This sale does not require further Board Action since the Board of Directors approved the disposal of this building at the best advantage to the College, but without cost to the College. The Board Action is reflected in Campus Planning Committee Minutes, No. 104, dated 10 February 1961, paragraph 1495a.

It is recommended that this building be sold to Mr. Hall.

/s/ C. P. West

C. P. West
Director

CPW/ft(d)

cc: Mr. S. T. Cummings
Mr. John G. Taylor

Campus Planning Committee
June 14, 1961
Attachment No. 342
Item 1651A-2

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

Building Maintenance
and Utilities

June 14, 1961

M E M O R A N D U M

To: Mr. M. L. Pennington

Subject: Disposition of Surplus Building

I have attempted to sell building No. 45, Maintenance and Office Shop Building (carrying value \$40,046.02) since January 1961 and it has been shown to six prospective buyers, however, only one bid has been received. Mr. Herbert Hall has bid \$200.00 for this building and has offered to tear it down and clear the site except for the concrete foundation and slab on or before 15 August 1961.

His bid does not include the old paint shop which is of wood construction and located at the west end of this building. Mr. Bill Daniels has bid \$25.00 for this portion of the building and has agreed to clear the site except for the concrete slab and foundation.

Surplus property such as commodes, reservoir tank, fluorescent light fixtures, exhaust fan and one evaporative cooler have been removed from this building and it is estimated that their salvage value is \$178.00.

This sale does not require further Board Action since the Board of Directors approved the disposal of this building at the best advantage to the College, but without cost to the College. The Board Action is reflected in Campus Planning Committee Minutes, No. 104, dated 10 February 1961, paragraph 1495a.

It is recommended that this building be sold to Mr. Hall and Mr. Daniels.

/s/ C. P. West

C. P. West
Director

CPW/ft(d)

cc: Mr. S. T. Cummings
Mr. John G. Taylor

TEXAS TECHNOLOGICAL COLLEGE
 Lubbock, Texas

Study of
 Relocation of Farm Facilities
 Appropriations and Requests

Original Priority List Appropriation		\$475,000
Less Deduction for Veterinary Science Building		<u>100,000</u>
Appropriation by Revised Priority List		\$375,000
Board Appropriations As of May 29, 1961		
Revised Priority List Appropriation		\$375,000
Meats Lab	\$218,361	
Dirt Fill	8,000	
Moving Millhouse	498	
Agronomy and Horticulture Metal Buildings	24,675	
Dairy Facilities (1)	94,085	
Livestock Facilities (2)	34,861	
Poultry Facilities (3)	30,673	
Herd Attendants' Housing	22,893	
Setting Grades	125	
Water and Gas Lines	<u>228</u>	<u>434,399</u>
Balance - - - - -		<u><u>\$(59,399)</u></u>

- (1) Includes Milking Parlor, Equipment, and Feed Barn
 (2) Includes \$29,000 for Concrete Authorized for Contract (includes grading in amount of \$4,000)
 (3) Includes \$10,000 for Interior Improvements, Mechanical and Electrical
 () Red Figure

Board of Directors Appropriations
Plus Additional Requests
As of June 12, 1961

	<u>Building</u>	<u>Equipment</u>	<u>Fencing</u>	<u>Concrete Pens</u>	<u>Roads</u>	<u>Other</u>	
Board Appropriation May 29, 1961							\$434,399
Meats Laboratory (1)	\$218,361	\$	\$	\$	\$	\$	\$218,361
Dirt Fill (1)						8,000	8,000
Moving Millhouse (1)						498	498
Agronomy and Horticulture Metal Buildings (1)	24,675						24,675
Dairy Facilities							
Milking Parlor (1)	40,800						
Milking Parlor Equipment (1)		13,025					
Metal Buildings (1)	40,260						
Mechanical and Electrical (2)	2,600						
Asphalt, 2000 yds. @ \$1.50 (2)					3,000		
Concrete, 14,240 sq. ft. @ 40¢ (1)				5,700			
Wood Fence, Windbreak, 220 ft. @ \$3.00 (2)			660				
Gates, 12 ft., 19 @ \$50.00 (2)			950				
Fence, 18,210 ft. @ 2¢ installed (2)			364				
Labor for poles, 310 @ \$1.00 (2)			310				
Posts, 310 @ \$2.50 (2)			775				
Labor on Heavy Posts, 80 @ \$2.00 (2)			160				
Labor on Line Posts, 230 @ \$1.00 (2)			230				
Water Troughs, 8 @ \$50.00 (2)		400					
Pipe, 802 ft. of 1" and 190 ft. of 2" @ \$1.00 (2)						992	
Feed Troughs, 540 ft. @ \$5.00 (1)						2,700	
Grading (1)						1,000	\$113,926

	<u>Building</u>	<u>Equipment</u>	<u>Fencing</u>	<u>Concrete Pens</u>	<u>Roads</u>	<u>Other</u>		
Roads and Drives to Area (4)	\$	\$	\$	\$	\$	\$	\$	\$
From Flint Avenue through Underpass (2)								
8231 sq. yds. @ \$1.50					12,346			
From Underpass to Poultry Area (2)								
7000 sq. yds. @ \$1.50					10,500			
Drive from Street to Poultry Buildings (2)								
1100 sq. yds. @ \$1.50					1,650			
Drive to Residence and Parking Area (2)								
500 sq. yds. @ \$1.50					750		25,246	
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>		
Area Survey	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	850	850	
TOTALS - - - - -	\$388,820	\$27,006	\$12,980	\$18,820	\$31,436	\$22,325		\$501,387
								Balance over Board's May 29 Appropriation if all requests honored
								<u>\$ (66,138)</u>
								Board Appropriation in excess of Revised Priority List
								<u>\$ (59,399)</u>
								Total Balance over Revised Priority List
								<u>\$ (125,537)</u>

- (1) Approved by Board
 (2) Requested
 (3) List Attached
 (4) 28 Ft. Wide, 2 Penetration Top - Rock Asphalt
 8 In. Caliche Base Compacted to 6 In.

Utilities to Relocated Farm Facilities

Water Main	11,690	
Gas Main, 4500 ft. @ \$1.25, Coated and Wrapped	5,625	
Cesspools, Sewer Line and Reservoir	<u>3,000</u>	
Total Utilities to Area (1) (2) (3)		<u>\$ 20,315</u>

- (1) Primary Electric Service furnished by Municipal Power
 and Light without charge.
 (2) To be paid from Utilities allocated for Relocation of Farm Facilities.
 (3) Estimated at \$25,000 as of October 20, 1960.

Equipment (Portable) for Poultry Facilities

Amount Required in

House

June 7, 1961

<u>Item</u>	<u>Brooder</u>	<u>Pullet</u>	<u>Layer</u>	<u>Number</u>	<u>Cost</u>	<u>Total Cost</u>
STOVE						
1. Brooder "500"	8	4	-	12	\$43.00	\$516.00 ^{hold} (r)
2. Heater	-	-	3	3	89.00	267.00X
FEEDERS						
3. Starter FB 1747	40	15	-	55	3.50	192.50X
4. Tube, lo CB 886	72	-	-	72	3.75	270.00X
5. Tube, hi CB 888	-	38	60	98	3.75	367.50X
FOUNTS						
6. 3 Gal. galvanized	32	16	-	48	3.40	163.20 ^{hold}
7. 8 Ft. trough	8	6	10	24	15.00	360.00X
8. Roost guard	8	6	10	24	2.50	60.00X
9. Heating tape 12 ft.	8	6	10	24	3.00	72.00X
NESTS						
10. 10 Hole FB 1230	0	0	24	24	22.50	530.00 ^{hold}
11. "sq" egg baskets	0	0	20	20	4.00	80.00X
INCUBATOR						863.00 ^{hold}
12. Egg cooler humidifier						200.00 ^{hold}
MISCELLANEOUS						
13. Grit and shell feeders	8	4	10	24	3.75	90.00X
14. Feed scoop	3	1	2	6	1.30	7.80X
15. Catching hooks	8	4	10	24	.50	12.00X
AUTO. LIGHT CLOCK	1	1	1	3	16.50	49.50X
MYLAR (POLYETHELENE 6 MIL)						
16. 5 Rolls, 6' x 100'					9.86	49.30X
DRIVE FANS						
17. 6 - 36"					55.00	330.00 ^{hold}
DIPPED G.I. CANS						
18. 24 - 30 gal.					6.25	150.00X
STARTER BATTERY BROODER						
19. 1 - 1000 chick					250.00	250.00 ^{hold}
GROWING BATTERY BROODER						
20. 4 - 250 chick					150.00	600.00X
EGG CANDLERS (USDA APPROVED)						
21. 20 B & B					15.00	300.00 ^{hold}
TOTAL- - - - -						<u><u>\$5,779.80</u></u>

Recommended - 82,743

Hold

1,501.20

Eliminated

1,535.60

\$5,779.80

Campus Planning Committee
June 14, 1961
Attachment No. 344
Item 1653

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

The Texas Tech Press

June 3, 1961

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

Dear Mr. Pennington:

We need some kind of cooling system for the new Press Building as quickly as can be arranged. We are experiencing 92- to 100- degree temperatures in our plant.

For working efficiency we need a temperature of about 75 to 78 degrees throughout the plant. A cooling system would be used from 7 to 9 months a year regularly; and would need to be available any day as needed (often in the month of December).

At present we are using fans, but these circulate hot air, since there is no way for cooler air to enter the building. We have no windows and we cannot leave outside doors open. We tried installing an air conditioner (evaporative type cooler) above the rest rooms, but this circulates hot air from near the roof and does not help the temperature situation. Afternoons, when the sun is shining on the roof and west wall, is the time of highest indoor temperature, making our bookbindery exceedingly hot and stuffy. On May 10 or 11, when the sand was blowing, we registered 96 degrees inside when it was 87 degrees outside. Offices, too, are hot.

The average temperature inside ranges about 10-16 degrees hotter than the outside temperature. On June 1 our shop temperature was 96 degrees at 1:30 p.m. and 100 degrees at 3:00 p.m. Our humidifiers keep the relative humidity up to an average working RH of about 40 per cent, but this aggravates the heat situation, since we know the comfort-index temperature is higher in increasing proportion as RH and temperature rise.

Also, there is a health situation to consider. Hot lead radiates an oxide which is toxic in confined areas without proper ventilation. All our employees show a noticeable lag in production beginning shortly after noon on these hot days--probably due to heat, but this may not be the only reason.

Sensitized plates, film, and other photographic materials deteriorate rapidly in excessive heat. Offset presses do not operate well under these conditions since they use water and the quick evaporation causes the presses to run erratically.

The cooling system should have adequate filters to eliminate from the air, dust, sand, lint, and other damaging substances to personnel and machines. In our present building as in our former, many dollars will be lost every month due to the static charge that is built up in dust and paper particles deposited on equipment, causing malfunction with resultant waste of material and labor.

If such an installation is approved, we want to discuss every detail with our supervising architect and our supervising engineer before final decisions are made, with particular reference as to kind.

Mr. Marshall L. Pennington

June 3, 1961

In the beginning we thought that cooling would be provided from some system for the Physical Plant buildings and Tech Press. The radiators in the office area in the Press Building were installed for chilled water cooling (they are without fans), but the space heaters in the shop were not designed for this, so we were told.

Mr. Nolan Barrick and Mr. Robert L. Mason have been by to check on our facilities and said they would give thought to a cooling system, and, upon hearing from you, would go into the matter immediately.

Yours truly,

/s/ Bengé R. Daniel

Benge R. Daniel
Manager

BRD:mss(d)