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Fort Hays Kansas State College Library building estimation

Forsyth Library, Fort Hays Kansas State College

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FORT HAYS KANSAS STATE COLLEGE LIBRARY, HAYS, KANSAS, APRIL 24, 1963

Total Funds Available-----	\$1,000,000.00
Fees-----	-40,000.00
Total--Building and Equipment-----	960,000.00
Estimate on Equipment-----	-150,000.00
	\$ 810,000.00
New Utilities-----	-20,000.00
	790,000.00
3% Contingency-----	-24,000.00
 Total Money for Building-----	 \$ 766,000.00

Landscaping--By College
 Parking Lot--By Others
 Moving Cost -

Cost of Building Per Sq. Ft.--Estimated--\$16.00

No. of sq. ft. available @ \$16.00 = 47,870

Present Building - Area 26,520 - Students 3,500

3500 Students @ 10.5 per sq. ft.	=3912 sq. ft. (seating)
200,000 Vol. @ 20 vol. per sq. ft.	=9500 sq. ft.
250,000 Doc. @ 500 lin. ft. shelving	=3375 sq. ft.
	16,787 sq. ft.
Other areas (See Page 2)	<u>9,733 sq. ft.</u>
 Total	 26,520 sq. ft.

STANDARDS (American Library Association):

- 10 vols. per sq. ft. or 5 vols. per linear ft.
- 16 sq. ft. seating per person for 30% of undergraduate student body, plus 100% seating for graduate students plus seating for 20% of the faculty.
- 125 sq. ft. per worker.
- 125 sq. ft. for materials in process per worker.

1965 Building - Area 85,000 - Students 4,400

Students - 4400 @ 30% x 16 sq. ft. (seating)	21,000 sq. ft.
Vol. 200,000 @ 10 per sq. ft.	20,000 sq. ft.
Documents 250,000 items = 750 lin. ft. of shelving	5,600 sq. ft.
Services, Processing, & other (see Page 2)	<u>39,000 sq. ft.</u>
 Total	 85,000 sq. ft.

Cost @ \$16.00 per sq. ft. = 16 x 85000 = \$1,280,000.00
 Fees 4% 51,000.00
 Equipment 150,000.00

1970 Building - Area 112,000 - Students 5,200

5200 Student @ 30% x 16 sq. ft. (seating)	25,000
400,000 Vol. @ 10 Vol. per sq. ft.	40,000
400,000 Doc. = 1000 Lin. Ft. (45 items per sq. ft.)	8,000
Other areas (See below)	<u>39,000</u>
	112,000

Cost @ \$16.00 per sq. ft.	=	\$1,792,000
Fees @ 4%	=	72,000
Equipment	=	175,000
Utilities	=	20,000
3% Contingency	=	<u>54,000</u>
		\$2,113,000

OTHER:

Items in addition to number of volumes, seating, and documents.

	<u>Present</u> <u>Bldg.</u>	<u>1965 & 1970</u> <u>Bldg.</u>
1. Audio-visual	412 sq. ft.	3472 sq. ft.
2. Typing rooms	0 sq. ft.	820 sq. ft.
3. Curriculum Laboratory & Reserve Room	1223 sq. ft.	2880 sq. ft.
4. Conference and Seminar Rooms, Class Rooms	184 sq. ft.	4568 sq. ft.
5. Micro-materials rooms	32 sq. ft.	720 sq. ft.
6. Map Room	133 sq. ft.	528 sq. ft.
7. Circulation Desk	500 sq. ft.	1840 sq. ft.
8. Offices	412 sq. ft.	912 sq. ft.
9. Processing Area	2933 sq. ft.	6944 sq. ft.
10. Shipping, Receiving, Storage area	0 sq. ft.	1896 sq. ft.
11. Staff room	0 sq. ft.	984 sq. ft.
12. Student Lounge	0 sq. ft.	660 sq. ft.
13. Rare Book Room	250 sq. ft.	528 sq. ft.
14. Elevators & book lifts	0 sq. ft.	81 sq. ft.
15. Custodians work space on each floor	171 sq. ft.	180 sq. ft.
16. Rest rooms, 1 per sex per floor (presently 1 for 3 floors)	758 sq. ft.	690 sq. ft.
17. Browsing area	0 sq. ft.	768 sq. ft.
18. Stairs *		1732 sq. ft.
19. Lobby & vestibule *	* 2722 sq. ft.	2688 sq. ft.
20. Catalogs, Indexes & Bibliographies *		3276 sq. ft.
21. Basement	0 sq. ft.	3577 sq. ft.

Acquisition of materials - current yearly rate which will increase.

1. Items by purchase	-	10,000
2. Items by gift	-	2,650
3. Items by exchange	-	8,520
4. Items by depository		40,500
5. Serial items	-	49,744

* For present building, items 18 and 20 are included in item 19.

Projected enrollments: 1963 - 3700 1968 - 4800
 1964 - 4000 1970 - 5250
 1966 - 4400

New Academic Libraries

<u>Institution</u>	<u>Enrollment</u>	<u>No.Vols.</u>	<u>Seat- ing</u>	<u>Total Sq. Ft.</u>	<u>Total Cost</u>
Univ. of Nevada, Reno, N.	1400	350,000		100,000	2,100,000
Beloit College, Beloit, Wis.	1200	350,000	500		1,200,000
Central Washington State, Wash.	2315	225,000		74,250	1,460,000
Colorado College, Colo. Sprs, Colo.	1163	300,000	1000		1,250,000
University of Southern Florida		250,000		110,000	1,942,000
Earlham College, Indiana	850	200,000	500	42,000	1,000,000 ¹
Grinnell College, Iowa	1136	350,000	550		1,200,000 ¹
Colgate University, N. Y.	1410	400,000	600	80,155	
Simmons College, Boston	1572	267,990		82,000	1,800,000
Univ. of Wichita, Kansas	5500	350,000	1100	110,362	1,464,875

* Enrollment figures are based upon College Blue Book, Vol. 1, 10th ed. 1962.

** All other figures are based upon Bowker Annual, 1963 and Library Literature Index.

Between the year 1955 and 1962 approximately 150 new academic libraries have been built or were under construction. The preceding libraries are thought to be comparable to the library at Fort Hays Kansas State College.

¹Contractor did work as a non-profit project as he was a graduate of the college.

Architect's
OUTLINE OF LIBRARY BUILDING

I. Structure:

- (a) Footings--Because of unstable soil conditions and the extreme heavy loading of this building the building will have to be set on pedestals. This type of footing will increase construction cost by \$60,000.00 above conventional type foundations.
- (b) Frame will be reinforced concrete column and slab type.

II. Walls:

- (a) Exterior wall of masonry type construction stone facing with lightweight block backup.
- (b) Interior wall will be lightweight block where necessary. A removable type wall where necessary.

III Materials:

- (a) Floors -- Composition type.
- (b) Ceilings--Acoustical material.
- (c) Toilets--Ceramic tile floor and wainscots on walls.
- (d) Roof--20 year builtup roof.

IV. Mechanical Systems:

- (a) Steam, water, electricity, and etc. will be furnished by utility tunnel jointly with the Speech and Music Center Building.
- (b) The building will be air-conditioned.
- (c) Steam from the power plant will be used for heating and hot water.
- (d) Electrical work shall include a complete system of lighting including fixtures, outlets, switches, conduit, main services, wires and wiring, pull boxes, disconnect switches, lighting panelboards, main distribution panel. Power for all equipment and motors, two-way intercommunication system to all key offices, telephone service, a fire alarm system shall be installed throughout the building. Lighting foot candle shall range from a minimum of 50 ft. candle to a maximum of 70 ft. candle power.

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