6-27-2016

Fort Hays Kansas State College Library building estimation

Forsyth Library, Fort Hays Kansas State College

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Total Funds Available----------------------------------$1,000,000.00
Fees-----------------------------------------------$40,000.00
Total--Building and Equipment------------------------$960,000.00
Estimate on Equipment--------------------------------$150,000.00
New Utilities----------------------------------------$20,000.00
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) 9,733 sq. ft.

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) 39,000 sq. ft.

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
Utilities 20,000.00

Total 1,861,000.00
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. = 8,000
(45 items per sq. ft.)

Other areas (See below) = 39,000

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

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

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Audio-visual</td>
<td>412 sq. ft.</td>
</tr>
<tr>
<td>2. Typing rooms</td>
<td>0 sq. ft.</td>
</tr>
<tr>
<td>3. Curriculum Laboratory &amp; Reserve Room</td>
<td>1223 sq. ft.</td>
</tr>
<tr>
<td>4. Conference and Seminar Rooms, Class Rooms</td>
<td>184 sq. ft.</td>
</tr>
<tr>
<td>6. Map Room</td>
<td>133 sq. ft.</td>
</tr>
<tr>
<td>7. Circulation Desk</td>
<td>500 sq. ft.</td>
</tr>
<tr>
<td>8. Offices</td>
<td>412 sq. ft.</td>
</tr>
<tr>
<td>9. Processing Area</td>
<td>2933 sq. ft.</td>
</tr>
<tr>
<td>10. Shipping, Receiving, Storage area</td>
<td>0 sq. ft.</td>
</tr>
<tr>
<td>11. Staff room</td>
<td>0 sq. ft.</td>
</tr>
<tr>
<td>12. Student Lounge</td>
<td>0 sq. ft.</td>
</tr>
<tr>
<td>13. Rare Book Room</td>
<td>250 sq. ft.</td>
</tr>
<tr>
<td>15. Custodians work space on each floor</td>
<td>171 sq. ft.</td>
</tr>
<tr>
<td>16. Rest rooms, 1 per sex per floor (presently 1 for 3 floors)</td>
<td>738 sq. ft.</td>
</tr>
<tr>
<td>17. Browsing area</td>
<td>0 sq. ft.</td>
</tr>
<tr>
<td>18. Stairs *</td>
<td>1732 sq. ft.</td>
</tr>
<tr>
<td>19. Lobby &amp; vestibule *</td>
<td>2722 sq. ft.</td>
</tr>
</tbody>
</table>

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

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

* 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.

1 Contractor did work as a non-profit project as he was a graduate of the college.
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 built-up 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 panels and boards, 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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