# Kansas State University

Thompson Hall
Thompson Hall Feasibility Study
PROGRAM

2023 10 19

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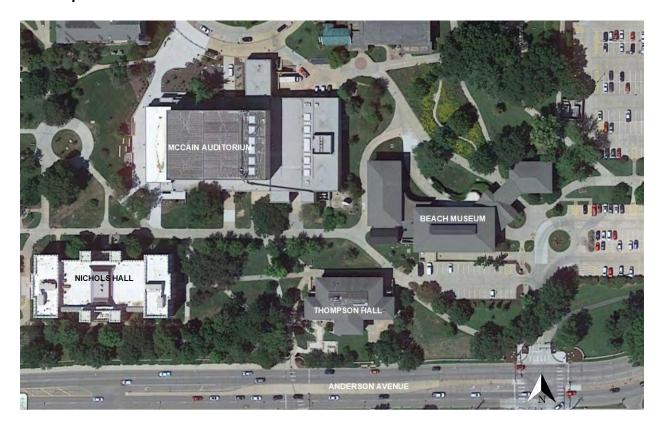
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### Introduction/Statement of Need

In order to further support current board initiatives of improved space utilization and consolidation the university is proposing the relocation of the department of Geology to existing space on main campus to allow for the renovation and re-purposing of Thompson hall. Thompson hall has a significant amount of deferred maintenance and renovating the building would allow the the university to bring the building into code and ADA compliance. This would also assist the university in a long term goal of vacating another campus building with high deferred maintenance thus reducing our overall campus foot print.

# Site Map



# **Project Description**

Thompson Hall will be renovated to accommodate new uses compatible with this location on campus. Many historic and original items will be retained, and the overall building layout will remain similar to its current condition. The selective renovation will bring the building into code and ADA compliance, address HVAC and exterior envelope improvements, and provide for a healthy work environment.

The office of Engineering Extension has been identified as a good use for the lower level. Once renovated, the lower level will be able to accommodate the unique needs of this department including a laboratory for Radon testing, a significant amount of storage for outreach programs with easy access in and out, and office functions. In addition, it is desirable to have proximity to two meeting spaces on the first and second level to serve training and workshops hosted by this department.

The office of Information Technology has been identified for levels one and two. Their needs for training and meeting space include the flexibility to share training rooms identified on first and second floors. Remaining needs for this department include flexible office space, small and medium meeting rooms, and general office support.

# **Existing Building Conditions Summary**

Thompson Hall is located at 1428 Anderson Avenue. This 2-story structure plus a basement and an attic was originally constructed in 1921 and contains 25,041 gross square feet (not including the attic). The building is not fire sprinklered. The substructure is cast in place concrete perimeter foundation walls and interior columns with spread footings, and a cast in place concrete slab. The main structure is a composite system of concrete beams and slabs, and concrete-encased steel beams, bearing on concrete-encased steel columns and masonry bearing walls. All floor slabs including the attic are concrete. The roof structure is comprised of dimensional wood rafters on wood purlins and posts.

Originally constructed as a home economics and cafeteria facility, the building was converted to the geology department offices and instructional labs and classrooms in 1956. Display cabinets, wood lab casework, built-in storage, and tiered flooring for two lecture halls were added. The tiered flooring was constructed with wood framing. Subsequent renovations in 1997 added a new women's restroom on the first floor and an elevator.

Basement walls are in fair condition. There are several areas that have damage from water infiltration; specifically at the northeast and northwest portions of the basement which are below the exterior stair and entrance terraces above. Deterioration of the underside of the first floor slab (basement ceiling) is significant in these areas.

The exterior masonry is in relatively good condition. There are a few areas where damage is noticeable particularly at the low roof balustrades on the east and west entries.

Windows are aluminum framed double hung units, with insulated glazing, and not original to the building. These units have divided lite inserts in some of the sashes, and other sashes have been removed to accommodate window air conditioners. There are no reported window leak problems, but these units are showing age.

The hydraulic elevator has not been upgraded since 1997 and has a CMU shaft and concrete pit and top, ventilation through the roof, and a sump pump.

Restrooms in the basement and second floor pre-date the 1997 women's room on the first floor. These rooms have toilet partitions constructed of painted wood, and interior finishes are painted plaster and resilient floor tile. First floor restrooms have not been significantly changed since 1997, and were constructed with metal stud walls, type X gypsum board, and ceramic tile finishes. First-generation ADA requirements appear to have been utilized in this renovation.

Interior finishes include original stained and painted woodwork, trim, and doors, and painted plaster walls. Some walls in the basement are not plastered. Walls/trim and doors in generally fair condition but are a combination of styles with some newer compliant door hardware and some older styles, some with retrofitted hardware. Ceilings are a mixture of older ACT ceilings and painted plaster. Some areas in the basement are open to structure.

Flooring at the second floor is original wood, in good but worn condition. Flooring at the first floor is VCT, most likely from the 1997 renovations. The basement has a mixture of painted concrete, older VAT flooring, and some 1997-era VCT.

The existing HVAC systems consist of several split system fan coil units and window air conditioning units. There are 6 dx fan coil units located in the building with remote air-cooled condensing units. These units are in good condition. The window air conditioning units vary in age and condition. The building is not currently connected to the campus chilled water system. Steam is provided to the building from the campus steam system and heat is provided through perimeter radiators.

#### Deficiencies:

- The dx fan coil units are difficult to maintain.
- Window air conditioning units do not provide consistent temperature or good humidity control.
- The system is not as energy efficient as the campus chilled water system.
- The steam entrance room has multiple steam leaks and pipe insulation has degraded.
- Limited control of the units does not provide visibility to campus facilities to monitor the building systems.

The existing plumbing system consists of a 2" domestic water service entrance. The piping is a combination of black steel and copper. Various replacements of the piping have been done over time. Domestic hot water is generated by a steam to hot water convertor in the basement. The sanitary piping consists of steel and PVC piping. Some of the sanitary piping has been replaced. Plumbing fixtures are flush-valve type but are still high-flow. All fixtures are manually operated (no automatic sensor control).

#### Deficiencies:

- The piping and insulation has degraded over time. Facilities has repaired many areas, but failures will continue to occur.
- The sanitary piping below grade was noted by Facilities to be in disrepair. They are aware
  of potential failures.
- Plumbing fixtures do not meet the current water efficiency standards and do not have automatic sensors to assist with cleanliness and water savings.

There are two existing electrical services to include a 1200 amp 208/3 service and a 600 amp 208/3 service. Both sets of gear are in good condition. Most of the distributed panelboards have been replaced over time and are in good condition. It appears that most of the panelboards have adequate spare capacity for potential renovations.

The existing lighting in the building consists of suspended pendants and lay-in fixtures. It appears that all light sources are fluorescent. Manual controls are installed throughout for on/off control. Emergency egress lighting is standard bug-eye fixtures with batter backup.

#### Deficiencies:

- Fluorescent lamps are not as energy efficient as LED lighting.
- There are no automatic lighting controls to capture energy savings and meet current code.
- Egress lighting may not be sufficient for current code.

The fire alarm system includes a combination of smoke detectors, pull stations and audible/visual notification devices. The head end system appears to be in good condition. The building does not have a fire sprinkler system.

#### Recommendations

Water infiltration and deterioration of masonry and concrete in the basement is a critical repair. Shingle roofing, and the capsheet at the flat roofing areas will be replaced. Exterior wood trim at soffits will be painted. Sheet metal trim at gutters and downspouts will be repaired. Windows will remain but be cleaned and have exterior sealant replaced. New sashes will be provided where window units are removed. Stone balustrades and copings on the northwest and northeast low roofs will be repaired and made watertight.

Restrooms should be renovated to provide ADA compliant facilities throughout the building. Anticipate at least one single-user toilet/lavatory, a personal health room with a sink for lactation support or medical needs, and men's/women's stalls and lavatories on each floor. Drinking fountains and services sinks at each floor are also recommended.

The elevator should be modernized to comply with current elevator code requirements, and the northwest exterior entrance ramp reconstructed to be more accommodating of accessibility needs. An exterior ramp should be added at the basement level south entrance to facilitate movement of equipment and supplies.

Original historic interior doors and walls should be preserved to the extent possible when planning the new room uses. Wood trim and built-ins that are in good condition can be retained. The tiered flooring in the first floor lecture hall should be removed and returned to a flat floor lecture hall. VAT flooring will require abatement, and VCT flooring should be removed. Existing ACT ceilings should be removed. Painted wood partition walls should be removed.

Where possible existing wood and concrete flooring should be refinished. Carpet tile should be provided in office and meeting spaces. Porcelain tile should be provided in new restrooms. Existing plaster ceilings should be retained where possible.

#### **HVAC**

Remove all existing window air conditioning units and split system units.

- Provide extension from the current campus chilled water loop into the building. Add service entrance pumps and extend chilled water up through the building.
- Replace the existing steam service entrance piping and valves. Provide a new steam to hot water heat exchanger. Provide new hot water pumps and distribution up through the building.
- Provide new floor mount air handling units (fan coil units for smaller spaces) to provide conditioning to each zone. Units to have both hot water and chilled water coils. Duct distribution overhead to new ceiling diffusers.
- Provide new dedicated outside air units for each floor/wing of the building. Outside air to be ducted in from wall or roof louvers. Outside air to be ducted to each new air handling unit.

#### **PLUMBING**

- Replace all original or degraded domestic water piping with new copper piping to the renovated restrooms and sinks.
- Replace the existing steam to hot water exchanger with a new unit and storage tank. Replace the existing recirculating loop where necessary.
- Replace all original or degraded sanitary piping to include the main 4" line under the lower level slab.
- Replace all restroom fixtures with new low-flow fixture and touchless flush valves and faucets.

#### POWER

 Replace existing circuitry and devices in the remodeled spaces to meet the new floorplan layouts.

### LIGHTING

- Replace all existing lighting with new LED fixtures.
- Upgrade lighting control to meet current code (vacancy sensors, etc.).
- Upgrade/replace egress lighting to ensure code minimum values are met. Areas to include egress at exit doors.

#### FIRE PROTECTION

 Depending on the final code footprint, the fire alarm devices may need to be upgraded/replaced or a fire sprinkler system added.

Space Projection / Numeric Program
The following table lists the proposed rooms to be included in the renovated Thompson Hall.

		PROPOSED		
Space Name	Ouan	NSF ea.	Total	Notes
	Quan	Nor ea.	TOtal	Notes
Engineering Extension Admin & Shared Resources				
Director's Office	1	160	160	includes small meeting area
Office Manager Office	1	110	110	acoustic privacy
Support Staff Workstation	1	120	120	Includes work area for student assistant
Small Meeting Rooms	2	120	240	meeting for 4 people, floor to ceiling white boards, audio/video enabled
Kitchenette	1	120	120	private room to serve Training events in Large or Medium Shared Training room. Supplies for food that is brought in, including a dishwasher. Will need a cart for moving dishes if not on same floor. Microwave, Fridge, Coffee, Sink
Workroom/Mailroom	1	120	120	supplies and assembly for test kits, 3 printers, laminator, office supplies. Can be an open workstation or alcove
Storage	1	30	30	Supply storage
Coat Closet	1	30	30	
SUBTOTAL EEX Administration & Shared			930	
Engingeering Extension Pollution Prevention				
Director Office	1	140	140	includes visitor seating for two
Staff Offices	2	110	220	
Staff Workstations	2	80	160	
SUBTOTAL EEX PPI			520	
Facine outing Future in Daday Dragues				
Engineering Extension Radon Program  Director Office	1	140	140	includes visitor seating for two
Administrative Workstation	1	80	80	includes visitor seating for two
Radon Test Lab	1	220	220	Biosafety cabinet, direct exhaust to exterior, plan for expansion to two stations in the future. Compressed air, ventilation, normal
				power
Compressor Closet	1	80	80	acoustically separate
Staff Offices	2	110	220	
Staff Workstations	2	80	160	
SUBTOTAL EEX Radon			900	
Engineering Extension KS Energy Program				
Director Office	1	140	140	includes visitor seating for two
Staff Offices	2	110	220	
Staff Workstations	2	80	160	
Equipment/Outreach Storage	1	250	250	Outreach Materials
Equipment/Outreach Storage	1	160	160	wind tunnels, supplies, bicycles, etc.
SUBTOTAL EEX KEP			930	

Space Name			PROPOSED		
Reception/Waiting Area	Space Name	Quan	NSF ea.	Total	Notes
CTO Office	Information Technology Business Office				
Executive Assistant Office	Reception/Waiting Area	1	200	200	
Business Manager Office	CTO Office	1	240	240	includes small meeting for 6
Contracts Administrator Office	Executive Assistant Office	1	110	110	
Accountant II Office	ů .				
Accountant I Workstation					
Information Technology Application Services		1			
Deputy CTO Office		1	49		
Deputy CTO Office	Information Technology Application Services				
Enterprise Data Architect workstation   1   64   64       Director of Faulty and Student Tech Office   1   140   140   140       Assistant Director Offices   2   110   220       Data Operations Workstations   5   64   320   7 positions currently. 2 are remote     Director of Project Management Office   1   140   140       Project Management Workstations   4   64   256   8 positions currently. 2 are remote     Project Management Workstations   4   64   256   8 positions currently. 4 need dedicated workstations. This area is growing     Director of Application Services Office   1   140   140       Assistant Director Offices   4   110   440       Assistant Director Offices   4   110   440       Application Services Workstations   17   64   1088   21 positions currently. 4 are remote     SubTOTAL Application Services Workstations   3   108   21 positions currently. 4 are remote     Information Technology Infrastructure Team		1	160	160	includes meeting area for 4
Director of Faculty and Student Tech Office 1 140 140 140 Director of Data Operations Office 1 140 140 140 Assistant Director Offices 2 110 220 Data Operations Workstations 5 64 320 7 positions currently. 2 are remote Director of Project Management Office 1 140 140 Project Management Workstations 4 64 256 Director of Project Management Workstations 4 64 256 Director of Application Services Office 1 140 140 Assistant Director Offices 4 110 440 Application Services Workstations 17 64 1088 21 positions currently. 4 are remote SUBTOTAL Application Services Workstations 17 64 1088 21 positions currently. 4 are remote SUBTOTAL Application Services Workstations 1 160 160 Includes meeting area for 4 164 64 Infrastructure Team Workstation 1 164 64 64 Infrastructure Team Workstations 3 64 192 Director SIOC Office 1 140 140 Infrastructure Team Workstations 3 64 192 Director SIOC Workstations 3 64 192 Secure Storage 1 64 64 64 Includes a large safe with capacity for at least 5 CPUs SUBTOTAL Infrastructure Team SubTOTAL Infrastructur					
Director of Data Operations Offices					
Assistant Director Offices Data Operations Workstations Director of Project Management Office Project Management Workstations Director of Project Management Workstations Director of Application Services Office Director Of Application Services Office Assistant Director Offices Application Services Workstations Director Office Director					
Director of Project Management Office Project Management Workstations A 64 256 Project Management Workstations Director of Application Services Office Assistant Director Offices Application Services Workstations To 64 1088 Application Services Workstations SUBTOTAL Application Services Deputy CTO Office Deputy CTO Office Assipport Specialist II Workstation Director SIOC Office Application Services Application Services Application Services Break Room Application Services Application Servi		2	110	220	
Director of Project Management Office	Data Operations Workstations	5	64	320	7 positions currently, 2 are remote
Director of Application Services Office 1 1 140 140 140 140 140 140 140 140 140	Director of Project Management Office	1	140	140	
Assistant Director Offices Application Services Workstations SUBTOTAL Application Services Subport Specialist II Workstation Support Specialist II Workstation Infrastructure Team Workstations Subrot SIOC Office SIOC Workstations Subrot Subro	Project Management Workstations	4	64	256	
Application Services Workstations SUBTOTAL Application Services SUBTOTAL Application Services SUBTOTAL Application Services Information Technology Infrastructure Team Deputy CTO Office Support Specialist III Workstation Infrastructure Team Workstations Size Size Storage Size Storage Size Storage Size Storage Subtotal Infrastructure Team Subtotal Infrastructure Team Size Secure Storage Size Storage Storag	Director of Application Services Office	1	140	140	
SUBTOTAL Application Services  Information Technology Infrastructure Team  Deputy CTO Office Support Specialist II Workstation Infrastructure Team Workstations Information Technology Shared Resources Information Technology Shared Resource Information Technology Shared Resources Information Technology Shared Resource Information Techn		4	110	440	
Information Technology Infrastructure Team  Deputy CTO Office 1 1 160 160 includes meeting area for 4  Support Specialist II Workstation 1 64 64 Infrastructure Team Workstations 3 64 192 SIOC Workstations 3 64 192 Secure Storage 1 1 64 64 includes a large safe with capacity for at least 5 CPUs  SIOC Workstations 1 1 64 64 includes a large safe with capacity for at least 5 CPUs  Information Technology Shared Resources 1 1 660 660 includes a large safe with capacity for at least 5 CPUs  Information Technology Shared Resources 1 1 660 660 includes a large safe with capacity for at least 5 CPUs  Information Technology Shared Resources 1 1 660 660 includes a large safe with capacity for at least 5 CPUs  Information Technology Shared Resources 1 1 660 660 includes a large safe with capacity for at least 5 CPUs  Information Technology Shared Resources 1 1 660 660 includes a large safe with capacity for at least 6 CPUs  Information Technology Shared Resources 1 1 20 360 includes a large safe with capacity for at least 6 CPUs  Information Technology Shared Resources 1 1 20 360 includes a large safe with capacity for at least 6 CPUs  Information Technology Shared Resources 1 1 20 360 includes a large safe with capacity for at least 6 CPUs  Information Technology Shared Resources 1 1 20 360 includes a large safe with capacity for at least 6 CPUs  Information Technology Shared Resources 1 1 20 360 includes a large safe with capacity for at least 6 CPUs  Information Technology Shared Resources 1 1 20 360 includes a large safe with capacity for at least 6 CPUs  Information Technology Shared Resources 1 1 20 360 includes a large safe with capacity for at least 6 CPUs  Information Technology Shared Resources 1 1 120 360 includes a large safe with capacity for at least 6 CPUs  Information Technology Shared Resources 1 1 120 360 includes a large safe with capacity for at least 6 CPUs  Information Technology Shared Resources 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Application Services Workstations	17	64	1088	21 positions currently. 4 are remote
Deputy CTO Office   1 160 160   includes meeting area for 4	SUBTOTAL Application Services			3108	
Deputy CTO Office   1 160 160   includes meeting area for 4	Information Technology Infrastructure Team				
Support Specialist II Workstation 1 64 64 Infrastructure Team Workstations 3 64 192 Director SIOC Office 1 1 140 140 SIOC Workstations 3 64 192 Secure Storage 1 64 64 Includes a large safe with capacity for at least 5 CPUs SUBTOTAL Infrastructure Team 812 Information Technology Shared Resources Includes a large safe with capacity for at least 5 CPUs Subtotal Infrastructure Team 812 Information Technology Shared Resources Includes a large safe with capacity for at least 5 CPUs Subtotal Infrastructure Team 812 Information Technology Shared Resources Includes a large safe with capacity for at least 5 CPUs Includes a large safe with capacity		1	160	160	includes meeting area for 4
Director SIOC Office   1 140 140		1	64	64	
SIOC Workstations  Secure Storage  1 64 64 includes a large safe with capacity for at least 5 CPUs  SUBTOTAL Infrastructure Team  B12  Information Technology Shared Resources  Hoteling workstations  Small Meeting Rooms  Small Meeting Room  Medium Meeting Room  Break Room  Break Room  Workroom  Lockers or Storage area for Hoteling  Secure Storage  1 64 64 64 includes a large safe with capacity for at least 5 CPUs  for outside consultants as well as the fully remote people who come in on certain days meeting for 4 people, floor to ceiling white boards, audio/video enabled boards, audio/video enabled place to sit and eat not needed, include ice maker, coffee, fridge, microwave, sink  Lockers or Storage area for Hoteling  1 120 120 mailboxes, copier, office supplies  Can be an alcove with moveable lockers or built ins	Infrastructure Team Workstations	3	64	192	
Secure Storage 1 64 64 includes a large safe with capacity for at least 5 CPUs  SUBTOTAL Infrastructure Team 812  Information Technology Shared Resources 15 36 540 for outside consultants as well as the fully remote people who come in on certain days  Small Meeting Rooms 3 120 360 meeting for 4 people, floor to ceiling white boards, audio/video enabled  Medium Meeting Room 1 660 660 20-25 people, floor to ceiling white boards, audio/video enabled  Break Room 1 120 120 place to sit and eat not needed, include ice maker, coffee, fridge, microwave, sink  Workroom 1 120 120 mailboxes, copier, office supplies  Can be an alcove with moveable lockers or built ins	Director SIOC Office	1	140	140	
Secure Storage 1 04 04 5 CPUs  SUBTOTAL Infrastructure Team 812  Information Technology Shared Resources  Hoteling workstations 15 36 540 for outside consultants as well as the fully remote people who come in on certain days  Small Meeting Rooms 3 120 360 meeting for 4 people, floor to ceiling white boards, audio/video enabled  Medium Meeting Room 1 660 660 20-25 people, floor to ceiling white boards, audio/video enabled  Break Room 1 120 120 place to sit and eat not needed, include ice maker, coffee, fridge, microwave, sink  Workroom 1 120 120 mailboxes, copier, office supplies  Can be an alcove with moveable lockers or built ins	SIOC Workstations	3	64	192	
Information Technology Shared Resources  Hoteling workstations  Small Meeting Rooms  Medium Meeting Room  Break Room  Break Room  Morkroom  Lockers or Storage area for Hoteling  Information Technology Shared Resources  15  36  540  for outside consultants as well as the fully remote people who come in on certain days  meeting for 4 people, floor to ceiling white boards, audio/video enabled  20-25 people, floor to ceiling white boards, audio/video enabled  20-25 people, floor to ceiling white boards, audio/video enabled  place to sit and eat not needed, include ice maker, coffee, fridge, microwave, sink  mailboxes, copier, office supplies  Can be an alcove with moveable lockers or built ins	Secure Storage	1	64	64	
Hoteling workstations  15 36 540 for outside consultants as well as the fully remote people who come in on certain days  Small Meeting Rooms  3 120 360 meeting for 4 people, floor to ceiling white boards, audio/video enabled  Medium Meeting Room  1 660 660 20-25 people, floor to ceiling white boards, audio/video enabled  Break Room  1 120 120 place to sit and eat not needed, include ice maker, coffee, fridge, microwave, sink  Workroom  1 120 120 mailboxes, copier, office supplies  Can be an alcove with moveable lockers or built ins	SUBTOTAL Infrastructure Team			812	
Small Meeting Rooms  3 120 360 meeting for 4 people, floor to ceiling white boards, audio/video enabled  Medium Meeting Room  1 660 660 20-25 people, floor to ceiling white boards, audio/video enabled  Break Room  1 120 120 place to sit and eat not needed, include ice maker, coffee, fridge, microwave, sink  Workroom  1 120 120 mailboxes, copier, office supplies  Lockers or Storage area for Hoteling  1 120 120 Can be an alcove with moveable lockers or built ins	Information Technology Shared Resources				
Small Meeting Rooms     3     120     360     meeting for 4 people, floor to ceiling white boards, audio/video enabled       Medium Meeting Room     1     660     660     20-25 people, floor to ceiling white boards, audio/video enabled       Break Room     1     120     120     place to sit and eat not needed, include ice maker, coffee, fridge, microwave, sink       Workroom     1     120     120     mailboxes, copier, office supplies       Lockers or Storage area for Hoteling     1     120     120     Can be an alcove with moveable lockers or built ins	Hoteling workstations	15	36	540	
Break Room 1 120 120 place to sit and eat not needed, include ice maker, coffee, fridge, microwave, sink  Workroom 1 120 120 mailboxes, copier, office supplies  Lockers or Storage area for Hoteling 1 120 120 Can be an alcove with moveable lockers or built ins	Small Meeting Rooms	3	120	360	
Break Room	Medium Meeting Room	1	660	660	
Lockers or Storage area for Hoteling  1 120 120 Can be an alcove with moveable lockers or built ins	Break Room	1	120	120	
Lockers or Storage area for Hoteling 1 120 120 built ins	Workroom	1	120	120	mailboxes, copier, office supplies
SUBTOTAL IT Shared 1920	Lockers or Storage area for Hoteling	1	120	120	
	SUBTOTAL IT Shared			1920	

		PROPOSED		)	
	Space Name	Quan	NSF ea.	Total	Notes
Building	Support and Shared Resources				
	Large Training Room	1	1293	1293	Training Room Setup for 70 people. Audio/Video enabled. Lots of whiteboards
	Medium Training Room	1	809	809	Training Room Setup for 20 - 25 people. Audio/video enabled. Lots of whiteboards
	Furniture Storage	1	120	120	Podia, Tables, Chairs, Mobile Whiteboards, etc. to serve shared Training room spaces
	SUBTOTAL Support			2222	
SUBTO					
	Engineering Extension Admin & Shared Resources			930	
	Engingeering Extension Pollution Prevention			520	
	Engineering Extension Radon Program			900	
	Engineering Extension KS Energy Program			930	3280
	Information Technology Business Office			929	
	Information Technology Application Services			3108	
	Information Technology Infrastructure Team			812	
	Information Technology Shared Resources			1920	6769
	Building Support and Shared Resources			2222	
	TOTAL NSF			12271	

# **Budget**

Estimate of Project Costs	
Construction	
(Construction Cost, etc.)	\$5,873,911 - \$6,944,131
Design Fees	
(Architect, Engineer, other Consultants)	\$705,000
FF&E	
(Furniture, A/V, equipment, etc.)	\$400,000
Contingency	
(%)	\$875,000
Miscellaneous Costs	
(Administrative fees, internal labor, etc.)	\$75,869
Total	\$7,929,780 - \$9,000,000

# **Funding**

The project will be funded with a combination of Capital Renewal funds and University Funds.

A range in construction costs has been provided to account for applicable code review and to account for unknown design factors that may escalate costs.

### Maintenance

Main Annual costs of operations, maintenance and utilities are estimated as follows:

Description	Cost/sqft	Total
Operations and Maintenance	\$3.23 x 25,041 SF	\$80,882.43
Utilities	\$3.50 x 25,041 SF	\$87,643.50
Total Annual Cost		\$168,525.93

# Timeline/Schedule

Board of Regents Program Approval: November 2023

Design Team Selection: February 2024

Design Phase: March 2024 - September 2024

Construction Documents and Project Approval to bid: October 2024 – February 2025

Bidding and Construction: tbd

Occupancy: tbd

\*chilled water infrastructure and basement water infiltration improvements schedule:

Design and Documents: March 2024 - April 2024

Bidding & Construction: May 2024 – September 2024

## **APPENDIX**

Existing Conditions Photos
Existing Building Floor Plans
Chilled Water Line Route Diagram
Concept Plans and Room Descriptions







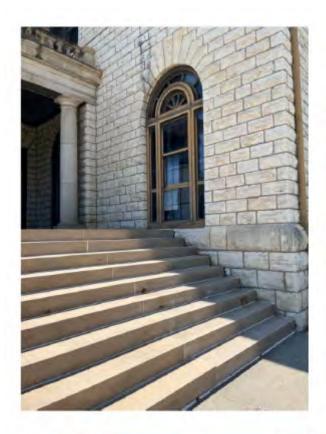
















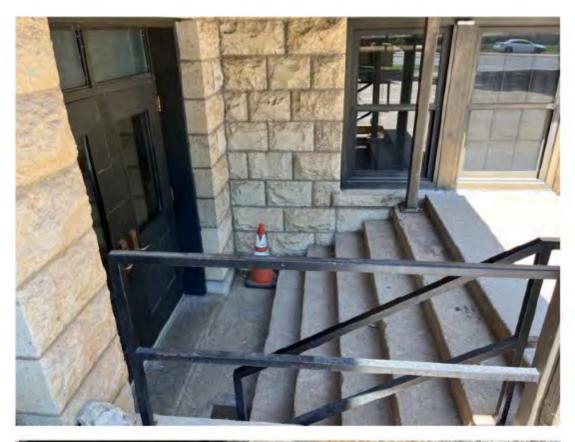




















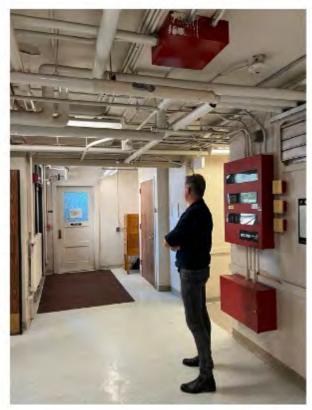






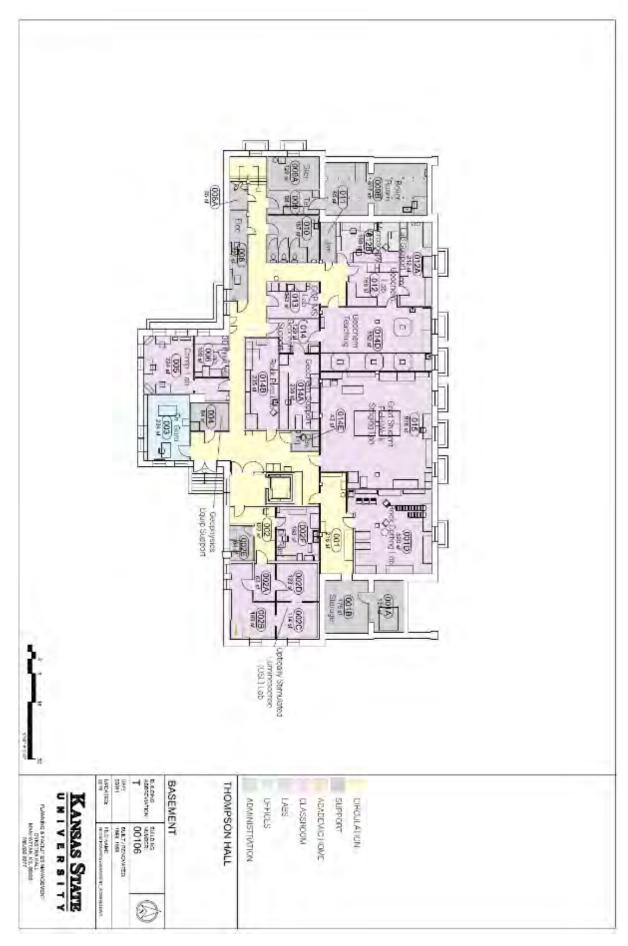




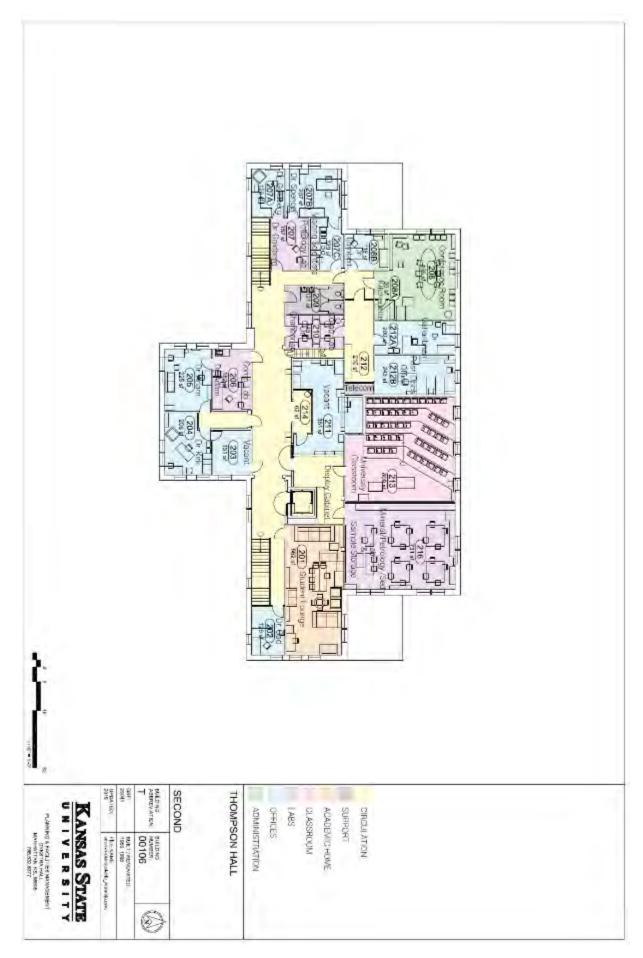


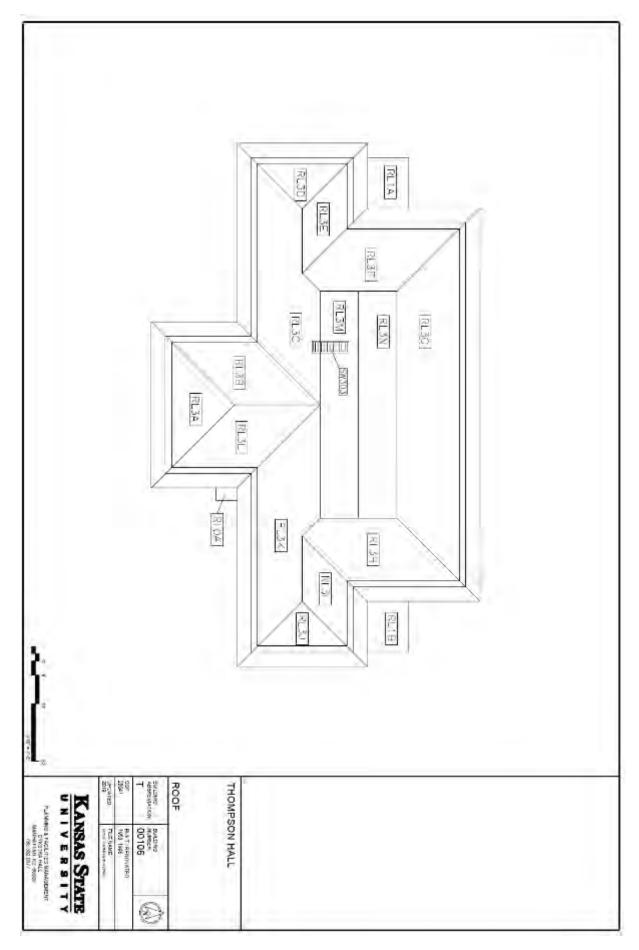
















**Basement** 

Available nsf = 4,500



**First Floor** 

Available nsf = 4,332



**Second Floor** 

Available nsf = 5,256