



Texas A&M University

College of

**Architecture**

# Space Needs Assessment



Council for the Built Environment

Office of

Facilities Coordination

February 2010

## Campus Wide Space Needs Assessment

Office of Facilities Coordination  
Texas A&M University



## Units to be Assessed



- **Agriculture & Life Sciences**
  - Academic Units
  - AgriLife Research
  - AgriLife Extension
  - Texas Forest Service
  - Texas Veterinary Medical Diagnostic Laboratory
- **Architecture**
- **Bush School of Government & Public Service**
- **Mays Business School**
- **Education & Human Development**
- **Dwight Look College of Engineering**
  - Academic Units
  - Texas Engineering Experiment Station
  - Texas Engineering Extension Service
  - Texas Transportation Institute
- **Geosciences**
- **Liberal Arts**
- **Science**
- **Veterinary Medicine & Biomedical Sciences**

**Provost Request**  
•Academic Support Units



# Architecture

	Square Feet
<b>Normalized Need:</b>	<b>(62,214)</b>
• Phase I Gain	+ 11,214
<b>Post Phase I Need</b>	<b>(51,000)</b>
• Phase II Gain	+ 51,762
<b>Post Phase II Need</b>	<b>762</b>
• <b>Fall 2008 SNAPS</b>	<b>(98,537)</b>



# Architecture

Faculty Reinvestment  
Council for the Built Environment  
**Phase I Report**

May 2006

College	Department	Assignable Area			Total Current & Phase I	Actual Cost
		Current	Net New	Total		
<b>Architecture</b>		<b>110,798</b>	<b>11,214</b>	<b>124,782</b>	<b>122,012</b>	<b>\$ 281,727</b>
Williams Expansion (Renovation)	Architecture	0	4,878	4,878	4,878	\$ 56,345
Williams Expansion (Renovation)	Cntr for Housing and Urban Development	0	1,194	1,194	1,194	\$ 56,345
Williams Expansion (Renovation)	Construction Science	0	1,089	1,089	1,089	\$ 56,345
Williams Expansion (Renovation)	Dean-College of Architecture	0	3,470	3,470	3,470	\$ 56,345
Williams Expansion (Renovation)	Landscape Arch & Urban Planning	0	583	583	583	\$ 56,345

**Phase II**  
Faculty Reinvestment Space Status  
Council for the Built Environment (CBE)

Space Assignments by Year

#	College	CBE post phase 1 assessed need	Y E A R						TOTAL Assignable Area	Assignable SF Remaining Need
			2006	2007	2008	2009	2010	2011		
34	<b>Architecture</b>	51,000	-	5,127	-	-	21,372	25,263	51,762	(762)
35	Scotates (Ag Education)		-	-	-	-	10,951	-	10,951	
36	Williams first floor		-	-	-	-	10,421	-	10,421	
37	Blocker: English moves to LAAH		-	-	-	-	-	25,263	25,263	
38	Pavilion		-	5,127	-	-	-	-	5,127	
39	ETED Partnership		-	-	-	-	-	-	-	
40	LAAH Partnership		-	-	-	-	-	-	-	
41	ILSB Partnership		-	-	-	-	-	-	-	
42			-	-	-	-	-	-	-	



# Architecture



## Summary

### Space Needs

- Offices
- Studio Spaces
- Visualization Lab

### Fire & Life Safety Facility Condition

### Department Detail

COMPUTED SPACE NEEDS						DRAFT	Fall 2008
Summary By Unit						Architecture	
Rq	Department/User Name	Assignable Area			Actual of Computed	Headcount Personnel	
		CURRENT Area	Computed NEED	= Difference			
3	Dean-Architecture	47,389	65,628	-8,239		158	
8	Cntr for Housing & Urban Development	1,407	2,194	-787		8	
13	CRS Center	1,324	1,492	-168		8	
18	Hazards Reduction & Recovery Ctr	2,998	5,871	-2,873		30	
23	Ctr for Health Systems & Design	1,798	2,693	-895		20	
26	Visualization Dept	12,910	17,062	-4,152		45	
33	Architecture	39,987	95,655	-55,668		134	
38	Construction Science	8,501	15,481	-6,980		82	
43	Landscape Arch & Urban Planning	15,821	34,112	-18,291		122	
49	Architecture Ranch	0	481	-481		6	
52		0	0	0		0	
65		0	0	0		0	
67		0	0	0		0	
14		0	0	0		0	
15		0	0	0		0	
16		0	0	0		0	
17		0	0	0		0	
	<b>Total</b>	<b>132,133</b>	<b>230,670</b>	<b>-98,537</b>	57.3%	<b>593</b>	
<b>Adjustments</b>							
	Plus Classrooms	4,007	0	0		0	
	Less:	0	0	0		0	
	<b>ADJUSTED TOTAL</b>	<b>136,140</b>	<b>230,670</b>	<b>-94,530</b>		<b>593</b>	
Office Standard Adjusted							

**Facility Condition Analysis (FCA)**  
**College of Architecture**  
**Texas A&M University**

Building #	Building Name	Year Built	GSF	Replacement Cost	Total Project Cost *	FCNI **	Assigned GSF	% Assigned GSF	Share of Project Cost
359	ARCHITECTURE BUILDING B	1963	28,545	8,049,000	\$387,287	0.05	20,875	73.13	\$58,093
398	LANGFORD ARCHITECTURE CENTER BUILDING A	1977	116,619	32,882,000	\$14,207,461	0.43	111,689	95.77	\$2,131,119
432	ARCHITECTURE BUILDING C	1963	73,020	20,589,000	\$9,244,079	0.45	63,408	86.84	\$1,386,612
436	REED-MCDONALD BUILDING	1960	77,435	27,633,000	\$2,453,815	0.09	2,736	3.53	\$368,072
471	PAVILION	1916	40,062	6,273,000	\$3,688,633	0.59	10,411	25.99	\$553,295
473	JACK K. WILLIAMS ADMINISTRATION BUILDING	1932	69,898	1,199,900	\$6,601,802	0.59	16,188	23.16	\$990,270
7007	ARCHITECTURE RANCH		10,892	n/a	n/a	n/a	10,892	100.00	n/a
8007	ADMINISTRATIVE BLDG		12,000	n/a	n/a	n/a	645	5.38	n/a

\* Includes capital renewal, deferred maintenance and plant adaptation for the next ten years

\*\* Facility condition needs index (total project cost / replacement cost)

## Fire and Life Safety Report for the College of Architecture February 16, 2010

Acronyms: FAS – Fire alarm system  
FCA – Facility condition analysis  
SFM – State Fire Marshal

### 0359 - Architecture Building B

- Building is recently renovated; fully sprinkled; new Voice FAS
- Items on FCA List – Eliminate Fire Rating Compromises; Need Flammable Reagent Storage Cabinet

### 0398-Langford Architecture Center Building A

- Good Voice FAS; Building is mostly sprinkled; Some exit sign & emergency light upgrades needed; Still need to install separation on 4<sup>th</sup> level as proposed and not accomplished during last renovation due to cost limitation.
- Items on FCA List – Replace & add exit signs

### 0432-Architecture Building C

- Fully Sprinkled; FAS needs to be replaced; Exit signs & emergency light upgrade needed; no enclosed stairways
- Items on FCA List – Eliminate Fire Rating Compromises; Replace sprinkler heads (20 year lifetime up in ~2011); Replace exit signs

### 0436-Reed-McDonald Building

- Building is (or will be soon) fully sprinkled; good FAS; Stairways were enclosed/rated during renovation of Chemistry Building 3<sup>rd</sup> and 4<sup>th</sup> floors
- Items on FCA List– Elevator lobby corrections

### 0471-Pavilion

- Not sprinkled; lacks enclosed stairwells; some exit sign & emergency light upgrades
- Items on FCA List – Sprinkler System; Exit sign upgrade

### 0473-Jack K. Williams Administration Building (sprinkler estimate \$724 K – FY 2012)

- Building is not sprinkled; lacks 2<sup>nd</sup> exit from 3<sup>rd</sup> floor; Excessive travel distance/common path (should be fixed by sprinkler system); Lacks rated stair enclosures: Good FAS
- Items on FCA List – Fire Sprinkler; Exit sign upgrade; Rated interior doors; Elevator lobby corrections

### 7007-Architecture Ranch

- Building is fully sprinkled; good FAS; good exiting
- Items on FCA List – None