

**6.01.25 - APPENDIX: SUPPLEMENTAL MATERIAL FOR SECTION 4.02 - LCC Sample D  
DESIGN AND CONSTRUCTION STANDARD**

**Project Level Entries**

General Information	
Project Name:	Multiple Locations Vs One Location
Location:	Texas
Analyst Name:	Travis Alexander
Discounting Convention:	End-of-Year
Discount Rate:	6%

Key Dates	
Base Date:	1-Jan-08
Length of Study Period:	25 Years

**Life-Cycle Analysis Description:**  
This LCC Analysis was performed to determine whether it is more cost effective to place AHUs in a building on one floor or to have AHUs in different locations. The LCC specifically compared the placement of 4 AHUs on one floor to placing one AHU on each floor based on the four floor Garrison Hall building.

**Summary of Results:**  
The results of this LCC showed that placing the AHUs in one location is more cost effective then placing AHUs on each floor.

**(Add as many alternates as are needed)**  
**Alternate Name:** One Location  
**Alternate Description:**  
The alternate looked at the placing the AHUs in one location in the building.

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<b>Alternative Level Entries</b>	
<b>Alternate Name:</b>	One Location
<b>OM&amp;R Replacement Cost</b>	
<b>Cost Name:</b>	Contract Cost
<b>Calculated Annual Simple:</b>	\$177,295
<b>Cost Name:</b>	OM&R Cost
<b>Calculated Annual Simple:</b>	\$20,173
<b>Electricity Costs</b>	
<b>Annual Consumption:</b>	158,000
<b>Units:</b>	Watt-Hour
<b>Price/Unit:</b>	\$0.077
<b>Chilled Water Costs</b>	
<b>Annual Consumption:</b>	34,103
<b>Units:</b>	Therms
<b>Price/Unit:</b>	\$0.8875
<b>Steam Costs</b>	
<b>Annual Consumption:</b>	N/A
<b>Units:</b>	N/A
<b>Price/Unit:</b>	N/A
<b>Water Costs</b>	
<b>Annual Water Usage:</b>	N/A
<b>Units:</b>	N/A
<b>Price/Unit:</b>	N/A
<b>Price Escalation Rates:</b>	N/A
<b>Non-Annually Recurring O&amp;M and Repair Cost</b>	
<b>Years/Months:</b>	N/A
<b>Amount:</b>	N/A
<b>Annual Rate of Increase:</b>	N/A

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<b>Alternative Level Entries</b>	
<b>Alternate Name:</b>	Multiple Locations
<b>OM&amp;R Replacement Cost</b>	
<b>Cost Name:</b>	Contract Cost
<b>Calculated Annual Simple:</b>	\$178,703
<b>Cost Name:</b>	OM&R Cost
<b>Calculated Annual Simple:</b>	\$20,173
<b>Electricity Costs</b>	
<b>Annual Consumption:</b>	158,000
<b>Units:</b>	Watt-Hour
<b>Price/Unit:</b>	\$0.077
<b>Chilled Water Costs</b>	
<b>Annual Consumption:</b>	34,103
<b>Units:</b>	Therms
<b>Price/Unit:</b>	\$0.8875
<b>Steam Costs</b>	
<b>Annual Consumption:</b>	N/A
<b>Units:</b>	N/A
<b>Price/Unit:</b>	N/A
<b>Water Costs</b>	
<b>Annual Water Usage:</b>	N/A
<b>Units:</b>	N/A
<b>Price/Unit:</b>	N/A
<b>Price Escalation Rates:</b>	N/A
<b>Non-Annually Recurring O&amp;M and Repair Cost</b>	
<b>Years/Months:</b>	N/A
<b>Amount:</b>	N/A
<b>Annual Rate of Increase:</b>	N/A

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**Alternate Name:** Multiple Locations  
**Alternate Description:**  
The alternate looked at the placing the AHUs in one room on each floor.

**Alternate Name:**  
**Alternate Description:**

**Alternate Name:**  
**Alternate Description:**

**Alternate Name:**  
**Alternate Description:**

**Alternate Name:**  
**Alternate Description:**

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