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Y	?	Ν							
0			Credit	Integrative Process	2				
15	2	0	Location and Transportation						
0			Credit	LEED for Neighborhood Development Location	18				
6	2		Credit	Surrounding Density and Diverse Uses	8				
7			Credit	Access to Quality Transit	7				
1			Credit	Bicycle Facilities	1				
1			Credit	Reduced Parking Footprint	2				
8	X	х	Water	Efficiency	12				
Y		у	Prereq	Indoor Water Use Reduction	Required				
8	х	х	Credit	Indoor Water Use Reduction	12				
0	10	0	Energy and Atmosphere 38						
Y		x	Prereq	Fundamental Commissioning and Verification	Required				
Y	x	у	Prereq	Minimum Energy Performance	Required				
Y		х	Prereq	Fundamental Refrigerant Management	Required				
x	х		Credit	Enhanced Commissioning	5				
x	10		Credit	Optimize Energy Performance	25				
x			Credit	Advanced Energy Metering	2				
x			Credit	Renewable Energy Production	3				
x			Credit	Enhanced Refrigerant Management	1				
x			Credit	Green Power and Carbon Offsets	2				
1	1	1	Mater	ials and Resources	13				
Y		у	Prereq	Storage and Collection of Recyclables	Required				
Y		х	Prereq	Construction and Demolition Waste Management Planning	Required				
1			Credit	Long-Term Commitment	1				
x	x	1	Credit	Interiors Life-Cycle Impact Reduction	4				
0	x		Credit	Building Product Disclosure and Optimization - Environmental Product Declarations	2				
0	1		Credit	Building Product Disclosure and Optimization - Sourcing of Raw Materials	2				
0	x	х	Credit	Building Product Disclosure and Optimization - Material Ingredients	2				
x	x		Credit	Construction and Demolition Waste Management	2				

5	2	0	Indoor	Environmental Qu	ality	17
•		х	Prereq	Minimum Indoor Air Qua	Required	
		у	Prereq Environmental Tobacco Smoke Control		Smoke Control	Required
	1		Credit	Enhanced Indoor Air Qu	ality Strategies	2
	х		Credit	Low-Emitting Materials		3
			Credit	Construction Indoor Air	Quality Management Plan	1
	х		Credit	Indoor Air Quality Assessment		2
	х		Credit	Thermal Comfort		1
	1		Credit	Interior Lighting		2
	х		Credit	Daylight		3
			Credit	Quality Views		1
			Credit	Acoustic Performance		2
2	1	0	Innova	tion	6	
	1	0	Credit	Innovation		5
			Credit	LEED Accredited Profes	ssional	1
			-			
2	0	0	Regior	al Priority		4
			Credit	Regional Priority: Surrou	unding Density and Diverse Uses	1
			Credit	Regional Priority: Acces	s to Quality Transit	1
			Credit	Regional Priority: Specif	fic Credit	1
			Credit	Regional Priority: Specif	fic Credit	1
3	16	1	TOTAL	S	Possible Points:	110
rti	fied:	40 to	49 points,	Silver: 50 to 59 points, Go	Id: 60 to 79 points, Platinum: 80+	
ot	al:	50			Legend	
					X = Could not earn	
				,	Y = Achieved Requirement	
					0 = Could have earned and did not	
				E	Blank = Nothing to be earned	
					Any Number - Points Achieved	

LEED Silver Certified.

Acoustic Performance Effective acoustic design results in spaces that promote occupant well-being, productivity and communications. The design and construction of Interface Cowork reduces sound transmission and reverberation time in the space. Materials such as cork floors and felt wall panels aid in this solution. Both points earned.

The Four Systems

Sustainability is a broad term that refers to the meeting the needs of the present without compromising the ability of future generations to meet their needs. These needs can be broken down into four systems: social, managed, natural, and built. Each system depends on the other three so they should not be analyzed on their own. Looking at all the pieces of the puzzle puts sustainable actions and decisions into perspective and gives an overall view of how actions can affect the larger system. By considering all aspects of sustainability, a truly sustainable solution can be reached.

Learned

As people are becoming more conscious of the repercussions of their decisions, they are becoming increasingly interested in how they can change what they have done and how they can contribute to a better life for future generations. As a result of this, sustainable design is becoming more prevalent across the globe and some municipalities in the United States are even requiring new construction to meet specific standards or guidelines with regards to sustainability. This means that it is even more important for me to understand sustainable building practices, such as those outlined in the LEED guidelines. Having analyzed my project for its sustainable design using the LEED guidelines I gained experience that will be necessary for me when I join the workforce and am needed to provide LEED documentation for a building, design a new building to LEED or other green standards, and take the LEED AP examination. This is a valuable skill that not only makes me more marketable to potential employers, but also benefits the users of the spaces I design.







Social System



Coworking spaces create opportunities for people to connect with others, who may or may not be from the same field, to improve and create ideas as well as to solve problems. This allows for innovative solutions that in turn create an increased income for those participating in the cowork community. Coworking also provides networking opportunities for people and opportunities for others to learn of their services, which can benefit their business. A social network is built within coworking communities that provides support and encouragement between members. By providing a space outside the home or coffee shop, coworking connects members of the community together, creating stronger, more sustainable communities.

Managed System



When people belong to a cowork community, their collaborative ideas and innovations fuel each others businesses and benefit their personal and business financial situations. This financial benefit can in turn promote the local economy as business buy goods and services from each other as a result of cowork connections, and as the families of cowork members spend money in the community, promoting local businesses. Interface Cowork as a business is also benefiting from the members who rent space there. The competitive prices and services should be enough alone to draw coworkers into the space, but its high design, ideal location, and sustainable environment only improve the edge Interface Cowork has over the competition.

Natural System

The location of Interface Cowork lends it to being environmentally sustainable. Because of its prime space in downtown St. Louis, it is surrounded by several diverse spaces for workers to access such as lunch spots and postal offices, all within walking distance, reducing the need to utilize your car on your lunch break. It location near several mass transit stops and the provided bike storage also makes it ideal for commuters, reducing the amount of carbon released into the atmosphere. By specifying fixtures that use 40% less water than mandated by LEED guidelines and by reducing overall building energy usage through several strategies, the building is using less resources and putting fewer contaminants into the atmosphere.

Built System



When designing the space, occupant health within the build environment was carefully considered. Materials were selected based on not only their aesthetics and performance abilities, but also on their environmental qualities, such as their life cycle impact, and the effect they would have on the indoor environmental quality and indoor air quality. Thermal, acoustical, and lighting factors were all addressed to meet at least the minimum LEED requirements which provided the most comfortable environment for all workers. The large glass conference room and several windows on each floor provide access to natural light and exterior views, connecting occupants with the outdoors, an important factor in having a high indoor environmental quality. Other features include only one printer per floor to reduce printing, a recycling program, and a sustainability education program.

An existing building in downtown St. Louis was utilized for an interior renovation designed to achieve LEED Certification requirements. The space was renovated into a LEED Silver coworking office

Coworking is an office concept that allows people who are selfemployed, freelancers, engaged in startups, or interested in a new work environment the opportunity to work under one roof and connect with each other to share ideas and expertise. The space allows users to rent desks on an hourly, daily, weekly, or monthly basis. Coworking acknowledges physical, emotional, and spiritual needs by providing a space for socialization and collaboration, thus

To achieve a sustainable design solution each design decision was carefully considered. To gain a better understanding of the challenge, research was conducted before any design began. Research about the new work environment compared to traditional work environments was done through observation and through reading books about cowork environments. Precedent studies of various cowork spaces were completed and analyzed for their approach to the design solution. After a thorough understanding of cowork spaces, schematic design began and eventually a well-thought out

Once design development was completed, LEED documentation began. With the help of my LEED Accredited faculty advisor, I went through each category of the LEED v4 for Interior Design and Construction Guidebook to determine which credits my project qualified for and how I had already achieved them or how I could alter my project to achieve them. When my project was ineligible for a credit, understanding why it was ineligible, what the credit meant, and how it would be achieved in a real life situation were important and addressed in my report. After I understood and analyzed all the credits in the Guidebook, I calculated the level of LEED certification my project achieved based on the number of points received from different credits. Fifty LEED points were reached, making the project

