

# Energy Efficiency Consulting for Construction

Case Study : **McCrite Plaza Real Estate, LLC.**



ALEO PRIME

## Project Overview

As the newest addition to the McCrite Plaza community, the 87,000 sf, three-level senior living facility of Tudor style architecture is home for skilled nursing and memory care residents. This project was a ground up new construction structure, which was completed in 2018. Besides ownership, Aleo Prime worked with the prime contractor Excel Constructors, and the architect ACI. This project was self financed by the owner.

## Opportunity

Since McCrite Plaza Real Estate, LLC. was self financing this project, they had to find ways to save money any way they could. McCrite Plaza enlisted Aleo Prime as an energy consultant to help them find money as well as save money by value engineering the scope while not taking away the aesthetics and vision of the project.

## Upgrades

Energy Efficient equipment at McCrite Plaza included HVAC units, HVAC controls, Indoor LED luminaires, Outdoor LED luminaires, and high efficiency televisions. Custom dimming systems for zoned lighting also helped with efficiency and with there tenants that have dementia and/ or Alzheimer's to help them with there day and night living patterns. Ensuring that all McCrite Plaza's tenants were comfortable with the indoor climate as well as it being well light with the right color temperature were of the utmost importance for this project due to the age and health of McCrite Plaza's tenants. New insulation and exterior finishing's were provided by Excel Constructors (the General Contractor) to help with efficiency of the building's envelope.

## Benefits

Value-based procurement/ services, staying below budget, and efficiency incentives are great reasons to why McCrite Plaza Real Estate, LLC. chose Aleo Prime to be there energy consultants. As well as, installing high efficiency lighting and other energy systems will save them money on energy as well as enhance the value of your property for years to come.

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## Project Information

**Scope:** HVAC, Lighting, TV's, Controls

**Property:** McCrite Plaza

## Project Savings

**Competitor Cost:** \$989,282

**Aleo Prime Cost:** \$689,282

**Everggy Rebate:** \$93,943

**Total Project Cost Savings: \$393,943**

## Energy Savings

**Lighting:** \$42,756.40

**HVAC:** \$48,186.60

**TV's:** \$3,000

**Total Annual Energy Savings : \$93,943**



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Headquartered in Kansas City  
+1 816.598.3331  
[www.aleoprime.com](http://www.aleoprime.com)  
[support@aleoprime.com](mailto:support@aleoprime.com)

