LEED®
LEADERSHIP IN ENERGY & ENVIRONMENTAL DESIGN

with Reliable® controls

LEED® for New Construction (LEED®-NC)

Global warming is one of the top social, political, and commercial issues of our time.

Let the Reliable Controls® MACH-System put you at the helm of sustainability and maximize the LEED-BD and C points on your next construction project.

Category	Item	Points	Benefits of the Reliable Controls® MACH-System
Sustainable Sites			
Credit 8	Light Pollution Reduction	1	Automatically turn off all non-emergency lighting during non-business hours.
Water Efficiency			
Credit 1.1	Water Efficient Landscaping	1	Reduce or eliminate irrigation requirement with climate-based control.
Credit 3.1	Water Use Reduction	1	Use occupant sensors to reduce potable water demand by 20%.
Credit 3.2	Water Use Reduction	1	Use occupant sensors to reduce potable water demand by 30%.
Energy & Atmosphere			
Prereq 1	Fundamental Commissioning	Y	Verify energy related systems are calibrated and performing to requirements.
Prereq 2	Minimum Energy Performance	Y	Establish a minimum level of energy efficiency for HVAC, lighting and other systems.
Credit 1	Optimize Energy Performance	3	Use BAS to implement prescriptive compliance path.
Credit 3	Enhanced Commissioning	1	Provide operating staff the information needed to optimally operate the systems.
Credit 4	Enhanced Refrigeration Management	1	Maintain equipment to prevent leakage of refrigerant to the atmosphere.
Credit 5	Measurement & Verification	1	Monitor and trend energy systems to provide energy performance accountability.
Indoor Environmental Quality			
Prereq 1	Minimum IAQ Performance	Y	Balance ventilation rates on energy use to optimize efficiency and occupant health.
Prereq 2	Environmental Tobacco Smoke Control	Y	Effectively control the ventilation air in smoking rooms.
Credit 1	Outdoor Air Delivery Monitoring	1	Monitor carbon dioxide and airflow and use BAS to trigger corrective action.
Credit 2	Increase Ventilation	1	Use heat recovery to minimize energy consumption associated with higher ventilation.
Credit 3.2	Construction IAQ Management Plan	1	Prior to occupancy, perform a building flush-out or test air contaminant levels.
Credit 5	Indoor Chemical & Pollutant Source Control	1	Exhaust spaces with hazardous gases to create negative pressure for adjacent spaces.
Credit 6.1	Controllability of Systems	1	Integrate lighting controllability while managing overall energy use in building.
Credit 6.2	Controllability of Systems	1	Evaluate interaction between thermal comfort and acceptable indoor air quality.
Credit 7.1	Thermal Comfort	1	Evaluate air temperature, radiant temperature, air speed, and relative humidity.
Credit 7.2	Thermal Comfort	1	Provide for the assessment of building thermal comfort over time.
Credit 8.1	Daylight & Views	1	Maximize interior day lighting with automatic photocell-based controls to 75% of spaces.
Credit 8.2	Daylight & Views	1	Maximize interior day lighting with automatic photocell-based controls to 90% of spaces.
Innovation & Design Process			
Credits 1.1 – 1.4	Innovation in Design	4	Demonstrate quantifiable environment/health benefits for substantially exceeding credit.

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