



MISSOULA FEDERAL CREDIT UNION

Missoula, MT



The Missoula Federal Credit Union is a single story financial institution which obtained a LEED PLATINUM certification from USGBC in 2009. Encouraged by the commitment from the Missoula Federal Credit Union staff and board, the design team's goal was to use sustainable practice and local suppliers for the most environmentally-responsible building possible. By utilizing Premier SIPS, the high performance rigid insulation in the SIP walls and roof increase energy performance in the credit union for the long term.

PROJECT PROFILE

Residential

PROJECT DETAILS

Premier Distributor

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Architect

MacArthur, Means and Wells Architects (MMW).
Missoula, MT

Contractor

Gordon Construction
Missoula, MT

Project Size

6,711 sq. ft. Single Story

Premier SIPS Used

8" walls and 12" Roof Panels

SIPs construction enabled the building to meet several goals: obtain 50% in energy savings, divert 93% of construction waste from the landfill, and receive USGBC LEED PLATINUM certification with 57 out of 69 possible points.



PROJECT PROFILE Missoula Federal Credit Union, Missoula, MT



The high performance rigid insulation in the Premier SIPS walls and roof increase energy performance for the long term.

Recognizing that buildings consume a great deal of resources throughout construction and use, products and systems were evaluated and selected that minimized the building's embodied energy, and future energy consumption and resource use. Energy and daylight modeling were used to incorporate resource-efficient measures throughout the building. High R-value Premier SIPS were used for the roof and walls. Rainscreen construction was used for exterior cladding, resulting in a high-performing envelope with little thermal bridging. The structure accommodates a very aggressive solar panel structure which covers the drive-thru banking lanes.

The Premier SIPS Solution

Energy Efficient & Cost Effective: Structures regularly save up to 60% on heating and cooling costs, significantly preserving fossil fuels.

Healthy: Superior indoor air quality with reduced infiltration of outside pollutants, which can benefit those with respiratory ailments

Comfortable: Warmer in the winter, cooler in the summer, ideal controlled indoor environments for Washington's climate.

Easy to Operate: Tight building envelope reduces HVAC mechanical equipment sizes and related heating and cooling over the life of each building

Environmentally Responsible: SIPS produce 30% less job-site waste than traditional construction

LEED Points: Up to 23 valuable environmental design points through the standard in green certification.

BENEFITS PROVIDED BY SIPS

COST SAVINGS

Premier SIPS are up to 55% more energy efficient reducing overall energy costs.

SPEEDY CONSTRUCTION

Premier SIPS reduced the home's construction schedule by 3 to 4 weeks

REDUCED HVAC REQUIREMENTS

Reduced HVAC requirements by approximately half, providing both initial capital savings and lower annual heating and cooling bills

REDUCED WASTE

Decreased construction materials waste and resulting disposal fees and environmental impacts



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