

View Dynamic Glass controls heat and glare while preserving the panoramic views of beautiful Alaska



Occupants maintain connection with outdoors and stunning views

Mitigated 3,105 annual hours of potential glare

22% HVAC peak load savings

CIRI Fireweed Business Center, Anchorage, AK

CIRI is Southcentral Alaska's largest private landowner with approximately 1.3 million acres of land. CIRI chose View Dynamic Glass for their innovative Fireweed Business Center to maintain a connection to the sweeping views of the Cook Inlet and Chugach Mountains.

Objectives Located on the site of the historic Fireweed Theater, the Fireweed Business Center in Anchorage is a 104,000 square foot facility in Anchorage. Productivity and comfort are the primary objectives for the occupants of the eight-floor business center. The city of Anchorage experiences up to 22 hours of daylight in the summer and low glare-inducing sun angles during the winter. Both solar and glare control were critical. However, solving these issues with conventional blinds would mean blocking the stunning views of the outdoors that are a source of inspiration and motivation for all Alaskans.

"CIRI wanted to develop a building that was not just about a square office space," says Chad Nugent, project manager for CIRI. "It was very important to reduce glare, solar gain and the feeling of hot spots."

Solution Along with other technologies such as light diffusing and vacuum insulated panels, over 13,000 square feet of View Dynamic Glass is installed on the majority of the vertical glazing of the south, west, and east façades.

"The low sun angle presents glare issues for building occupants," says James Dougherty, managing principal for RIM Architects. "If you want to enjoy the view but not have the glare, it presents a real challenge. So, View Dynamic Glass,

Team

Architect:
RIM Architects

Glazier:
Davis Constructors
& Engineers, Inc.

Glazier:
Bucher Glass

Glazing system

Project type:
New Installation

System type:
Curtain Wall

Make and model:
EFCCO curtain wall system

IGU makeup

Overall thickness:
1 7/8"

Outboard lite:
6mm tempered clear with EC
on surface #2

Spacer:
5/8" black warm edge spacer

Inboard lite:
5mm tempered clear with
SN68 on surface #2



through its automatic controls can regulate the glare, but still preserve the fantastic view of this land that we love."

Outcome Views and connection to the outdoors are preserved with View Dynamic Glass, creating an enhanced work environment for all occupants. According to an initial energy and benefits model, View Dynamic Glass will enable a 22 percent reduction in peak-cooling load, allowing for a smaller overall HVAC system. 3,105 annual hours of potential glare are mitigated with a solution that allows occupants to keep the view while blocking the glare.

Payoffs

- Solving Alaska's glare issues without sacrificing the view
- Aligns with CIRI's values of connecting to the land and sustainability
- Meets LEED Silver certification requirements