EFFICIENT DESIGN



WHAT ARE WE MONITORING?

The building contains an excellent insulation package, including continuous insulation on the walls and the roof. This prevents heat loss through the weak points caused by building framing or other thermal bridges. High performance windows al package was also selected.

MECHANICAL

By utilizing an air-source heat pump, the building can heat and cool extraordinarily efficiently with electricity. Controls and monitoring throughout the system all for optimization of usage. The infloor heating allows for high thermal mass in the building, allowing it to be heated whenever works best and retaining that heat for hours.

Optimized building envelope and systems

From the insulation systems to the windows and mechanical systems, the building systems were designed to use low amounts of energy. The building systems also have many points of monitoring and control, allowing the users to see what is going on and where energy is being consumed.





A blower door test was performed at the end of construction to test the air infiltration through the building envelope. The building performed outstanding.



