

Integrated Framing is a pre-engineered, modular method of collecting and distributing power and data through the curtainwall (window) framing of commercial buildings. It is ideally suited to utilizing photovoltaic (PV) glazing. Savings from the pre-engineering and modular construction make the PV glazing a cost-effective alternative with savings of up to 10% of initial construction costs. Integrated Framing also creates a “Smart Grid” on the building exterior, allowing for real-time weather data to fine-tune the building HVAC and other systems. Such feedback is key to achieving the high efficiency of comfort-based instead of peak-load-based systems and has been shown to save up to 40% of operating costs for the lifetime of the building. Finally, because the roof is kept free of solar panels, it can be planted to filter and harvest rainwater. Water is considered to be the next focus of energy codes. Integrated Framing can create a truly Net Zero Energy Building.

Systems Savings

