

RF Micro Devices

Location: Dina Ct.
Hiawatha, Iowa

Completed: Spring 2009

Size: 19,500 s.f.

Construction: Masonry veneer with
steel framing

Developer: Longfellow Square
Jon Dusek &
Ace AOssey

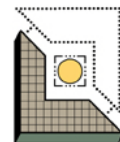


Brost Architects and Planners started this project by working closely with RF Micro Devices staff to provide a schematic design that fulfilled their needs and desires in order to improve their everyday business functions.

The building is planned around the central micro-processor research lab, from which all other spaces radiate out, facilitating an open environment where, as one employee described it, "We can always find people."

The building incorporates several green design concepts, including extensive use of day-lighting strategies, as well as sunscreen metal awnings to shield the windows from excessive heat gain in the summer and allow in heat during the winter.

The biggest challenge of this project was to bring daylight into the central lab space, while also balancing the specific thermal and humidity requirements of the space in order to minimize risk of damage to experimental prototypes. This was accomplished through the use of a saw-tooth roof feature, and triple paned glazing to avoid moisture condensation in the winter.



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