

Solution by Reward.

**Hancock-Wood
Electric
Cooperative, Inc.**
North Baltimore, Ohio



Challenge:

The Hancock-Wood Electric Cooperative wanted a new, larger and economical administrative office building that would demonstrate to their owner-customers and to the public their commitment to energy efficiency. The site also is in one of the windiest areas of northern Ohio so it was important to have a structurally sound and “tight” building. Finally, the construction schedule meant that the contractor could erect the walls during the winter.

Solution:

Malcolm Associates of Claypool, Indiana, used their successful experience on another project to design the 18,000 S.F. office building to incorporate a geothermal pond, water-to-air heat pumps, natural lighting, and 13” Reward iForm insulated concrete forms (ICF’s). The iForms use 2.5” of dense expanded polystyrene foam connected and reinforced every 6” on center with dense plastic ties to create the concrete form and provide secure anchorage for the final finishes. Clouse Construction of New Riegel, Ohio and their ICF installer, Kurtz Quality Construction, erected the walls during the winter to keep the project on schedule. The building has brick, stone and EIFS on the exterior and drywall on the interior. The ICF walls securely support the steel trusses and metal roof.

Specs:

18,044 Square Feet

100% of exterior walls used ICF; plus some interior walls for the “safe” rooms

13” Reward iForm ICF’s



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