

Design Profile Whirlpool Corporation "Project Zenith"

MULTIPLE LOCATIONS, UNITED STATES & CANADA

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Architecture
Interiors
Engineering
Construction

Creative Solutions for a Sustainable Future

Whirlpool Corporation "Project Zenith"

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Sustainability is a priority for the Whirlpool Corporation and as such, Epstein was hired to serve as the LEED Consultant for "Project Zenith." Project Zenith is a supply chain optimization program being pursued by Whirlpool in the North America Region. Whirlpool anticipated that twelve (12) facilities would fall under this program, including: Perris, California; Milton, Ontario, Canada; McDonough, Georgia; Denver, Colorado; Spanaway, Washington; Dallas, Texas; Greenville, Ohio; Columbus, Ohio; Northern California; Central Pennsylvania; Toronto, Ontario, Canada; and Calgary, Alberta, Canada.

During the Project Diagnostic Phase Epstein's work included performing a LEED Workshop with project stakeholders to review the LEED Green Building Rating System and preliminary scorecard to determine the targeted level of LEED Certification, the applicable LEED Rating System for the project and a credit strategy to attain that level of certification. The end result of this workshop was the the preparation of the LEED Certification Plan which defined the LEED requirements for the Design/Builder and the means to incorporate these items without adverse affects to schedule.

As Whirlpool's exclusive LEED Consultant, Epstein also provided project certification assistance on all projects pursuing LEED certification during the contract period. These services included the review of the design documents prepared by the architects and engineers at the 90% Design Development milestone, preparation of the LEED Certification Plan for each project, and preparation of the LEED Certification Specifications required for the issuance of 100% Construction Documents for each project. Coordination of LEED Certification Process included LEED-Online document management and project certification submission of credits during both the design and construction submission phases.

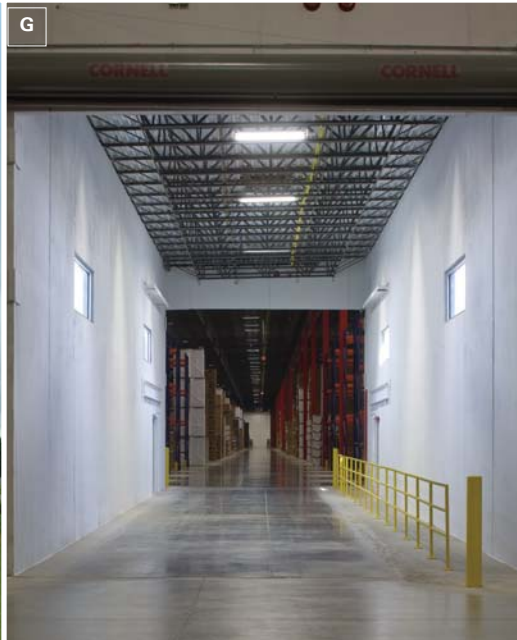
As of May 2010 Whirlpool's regional distribution centers (RDCs) in McDonough, GA (near Atlanta) and Spanaway, WA (near Seattle), has been award Gold LEED Certification and its RDCs in Columbus, Ohio, and Denver, Colo., have been awarded LEED Certification.

Large enough to hold 31 football fields each, Whirlpool Corporation's 1.6 million square foot Atlanta and Columbus facilities are among the 10 largest LEED certified warehouses in the United States. The Atlanta facility is the largest LEED Gold industrial building in the United States and the second largest globally. The design and construction of the Atlanta, Columbus, Denver, and Seattle RDCs will generate an energy savings of more than 20 percent and more than 40 percent water efficiency.



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A: McDonough, Georgia Entrance Elevation
B: Columbus, Ohio Warehouse Racking
C: Columbus, Ohio Warehouse Dock Detail



D: Columbus, Ohio Aerial
 E: Denver, Colorado Night Exterior Elevation
 F: Spanaway, Washington Rail Dock
 G: Columbus, Ohio View of Interior Warehouse

Sustainable Features

The Whirlpool facilities feature the installation of highly efficient fluorescent interior lighting with occupancy sensors at each fixture which played a large part in the overall energy savings. Also, efficient exterior lighting, electric space heating, space cooling, pump usage and heat rejection result in significant annual energy use savings.

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About the *Design Profile*



Epstein's *Design Profile* is a brief in-house publication addressing our recent design and construction projects and discussing today's industry challenges.

Since 1958, the *Design Profile* has covered our project history, from warehouse and distribution facilities to award-winning architecture and interior design projects.

Now in our fifth decade of publishing the *Design Profile* has now transformed into a completely electronic publication. In a effort to be as sustainable an organization as possible we no longer print and distribute the *Design Profile* via traditional mail. Each issue is now "published" to our readers through a e-mail message that is linked to our website. We hope that this little step in sustainability inspires you to find opportunities to become "green" with your publications/communications.

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