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ARCHITECT

HKS
Chicago, Illinois

CONTRACTOR/INSTALLER

Toledo Mirror & Glass
Toledo, Ohio

GENERAL CONTRACTOR

Turner Construction
Toledo, Ohio

KAWNEER PRODUCTS

1600UT System™1 Curtain Wall
1600UT System™2 Curtain Wall
190 Narrow Stile Standard Entrance
350 Medium Stile Standard Entrance
Versoleil™ Sunshade (custom outrigger and blades)
Trifab™ 450 Door Headers

GLASS

Vitro Solarban® 72 Glass
Starphire® Ultra-Clear Glass with triple silver coating

CERTIFICATION

LEED Certified®

ProMedica Health and Wellness Center

SYLVANIA, OHIO

ProMedica Health and Wellness Center

SYLVANIA, OHIO

PROJECT PROFILE
HEALTHCARE

MULTIFUNCTIONAL HARBOR FOR HEALTH AND WELLNESS

With the objective of providing a place for the community to get most health and wellness services in one location, ProMedica set out to build the ProMedica Health and Wellness Center. The 230,000-square-foot, three-story building is situated outside Toledo, Ohio and houses physician offices, diagnostic testing, wellness education, retail, and dining.

DESIGN HIGHLIGHTS

Designed by HKS, the Center features two courtyards and a glass atrium to connect staff and visitors with the outdoors throughout the year. The building also features 23 interconnected, standard clinic modules, which enable staff to reach patients more quickly and increase connectivity. HKS's website notes, "Architectural and interior form, material, pattern, light, and color resonate with the contextual and cultural influences of the region." HKS, Kawneer and Toledo Mirror & Glass worked together to deliver solutions that would allow an abundance of natural light to enter the building while offering a beautiful aesthetic and enhanced thermal performance. Custom sunshades and horizontal tubes, or baguettes, featured on the building's façade add a unique element and texture to the building.

CHALLENGES

- Build a high-performing façade that contributed to occupant comfort, allowing for increased natural light and views of the outdoors.
- Two courtyards and a center core glass atrium featured large, heavy lites of glass.
- Tight, narrow courtyards created challenges with offloading product and installation.

SOLUTIONS

- Kawneer's curtain wall systems with their sleek, modern aesthetic were selected to increase natural daylight and enhance thermal performance.
- 1600UT System™2 Curtain Wall was structural silicone glazed vertically and captured horizontally to provide a contemporary, high-tech look.
- Curtain wall with custom 3" horizontals were used to handle the weight of the large lites of glass.
- Paths to the courtyards were created to allow for lifts to help installation. The courtyard curtain wall was installed from the inside out.
- Custom engineered outriggers and vertical support plates modified from Kawneer's Versoleil™ SunShade were applied to the façade. Then baguettes with a terracotta-like painted finish were installed to help with sun shading and address design objectives.

The ProMedica Health and Wellness Center is LEED® Certified and has the ability to increase physicians' time with patients. According to HKS's website, "Average overall clinical team walking distance was reduced by 36 percent, or one minute and 55 seconds per patient encounter. That's a difference ranging from 28 minutes to more than an hour for each team during an average clinical day."¹



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¹ProMedica Health and Wellness | HKS Architects, www.hksinc.com/what-we-do/case-studies/promedica-health-and-wellness.



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ARCHITECTURAL SYSTEMS | ENTRANCES + FRAMING | CURTAIN WALLS | WINDOWS