

# McLaren Performance Technologies



## Project Description

Newton Group was selected as the Design-Builder for this project which included a new three storey office and machining facility, renovations to the existing building, façade improvements, demolition and the addition of a 150 car parking structure with suspended pedestrian bridge to the main building. All of the work was completed, including demolition and site reservicing while the McLaren operations continued.

The new construction consisted of 48,000 sf of new energy efficient office space spread out over three floors, 25,000 sf of Research and Design industrial shop floor space and a 150 car parking structure totaling 45,000 sf. In addition to the new construction, Newton Group renovated the existing 20,000 sf building to house meeting rooms, laboratories, and machining facilities. Façade improvements to the two existing buildings was completed to match the new construction and provide a more energy efficient building envelope.

Newton Group consulted on project planning and completed all of the conceptual and detailed design work for the project which was constrained by available space on the site. However, Newton Group's innovation and experience were able to resolve those constraints with the removal of one existing building, selective demolition in a second building and the addition of the parking structure to enable the additional 160 employees to park on that site.

The 9' wide prefabricated bridge spans 55' above a parking lot and fire route access. The bridge connects the new office building with the parking structure and consists of Newton Group's proprietary ultra-high performance concrete precast deck plates, grouted onto two galvanized warren trusses and topped off with a corrugated acoustic roof deck. This through-truss bridge also features a white TPO roof membrane and fritted glass walls to keep the elements out and provide fall protection for users. The photo shows the prefabricated bridge leaving our plant in Guelph, Ontario as it travels to site in Livonia, Michigan.

Newton Group integrated green roofs and completed all of the site work and landscaping.



## Project Details

<b>Completion Date</b>	May 2016
<b>Contract Type</b>	Design-Build
<b>Owner</b>	McLaren Performance Technologies
<b>Number of Spaces</b>	150
<b>Gross Floor Area</b>	New Office Space: 48,000 sf New Industrial Space: 25,000 sf New Garage: 45,000 sf


## Project Team

<b>General Contractor</b>	Newton Group Ltd.
<b>Engineer</b>	Tacoma Engineers Inc.
<b>Architect</b>	OX Studio Inc.
<b>Mechanical</b>	Talbot Corporation
<b>Electrical</b>	Talbot Corporation

## References

<b>Owner:</b>	Mr. Jim Jarrell
<b>Title:</b>	COO, President

## Location

	32233 W 8 Mile Rd, Livonia, MI 48152, United States
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