

Forming for a Difficult Shape

Yansong Ma of the MAD architectural firm in Beijing has bypassed the “four walled” concept of traditional architecture to deliver a residential high-rise building that has been dubbed “Marilyn Monroe” because of its curvature. The Absolute Tower, at 50 stories, will be the tallest building in Mississauga, Ontario. Construction for the project



have equipment mounted to them (gates, valves, other piping, etc.) and the weight of the form material was critical as the space for cranes is very limited. FruCon wanted to be able to lift the maximum size of form panels (gang forms) to maximize efficiency. Ulma's shoring system, with Aluprops aluminum legs, allows Frucon to work around the pipes and place the bracing where needed. ■

began in 2007 with completion scheduled for later this year.

Aluma Systems was awarded all the horizontal formwork for this tower. The project presents extremely difficult formwork transitions as the building's design changes every floor. The formwork solution chosen for the project was the Aluma Truss System, designed to improve productivity while reducing cycle time and labor requirements. It also requires only a one-time assembly that is reused floor by floor, eliminating disassembly and reassembly efforts. As required for such a complex shape, it is flexible enough to manage a wide variety of structural configurations, and a full range of value-added accessories are available to create other efficiencies.

Canada's Ministry of Labor has required all of the project's contractors to utilize a fall-protection system on the open edges of the building. Aluma was asked to design a custom safety attachment for the Truss System to protect workers, and complied by developing a unique guardrail system that protects workers along the exterior edges of the building as well as accommodating the addition of a tarp to create an enclosure for operations during inclement weather. ■

