IPD Engineering designed the mechanical, electrical and sprinkler systems for Utica College’s inflated dome, formerly known as the Todd and Jen Hutton Sports and Recreation Center.

The dome, which is the second largest facility of its kind in North America, is 270 feet wide, 500 feet long and 82 feet high. It features an eight-lane, 200-meter NCAA competition indoor track, four multi-sport courts, an artificial turf practice field, weight area, locker rooms, equipment checkout area and a concession stand. The dome also features two sand pits for long jump and triple jump, two pole vault areas, multiple throwing circles, a batting cage and track and field offices.

Two layers of Teflon-coated polyester, separated by a layer of insulation, are set upon a concrete pad, while two large air-handling units, one at each end of the facility, keep the air-locked structure inflated.