



Courtesy of Cannon Design

Clarian Cancer Hospital Indianapolis, Indiana

The project consists of a new 5-story 350,000 square foot structure. The placement of the building directly adjacent to the existing University Hospital and Cancer Pavilion creates a bridge between the two resources, reusing almost 100% of the existing Cancer spaces at the Medical center.

The Clarian Cancer Hospital project consists of two buildings connected by a pedestrian bridge. The West Building is a four story concrete rigid frame structure over a basement. The floor framing is a wide module concrete pan system. A single story structural steel x-braced frame is constructed on top of the concrete frame. This steel framed roof has been designed to be converted into a composite steel floor with the addition of a new steel frame roof in the future. The West building completely connects the existing Cancer Pavilion to the existing Clarian Indiana University Hospital at the basement and first floor levels.

The East Building consists of a five story concrete shear wall frame over a basement. A one way slab is supported by band beams for the five supported floors. A structural steel x-braced frame is constructed on top of the concrete frame. The steel framed roof has been designed to be converted into a composite steel floor in the future. The East Building has been designed to support another composite steel floor and a steel framed roof in future vertical expansion.

Three sixty foot long composite structural steel wide flange pedestrian bridges are included in this project to connect the East and West buildings at the second, third and fourth levels. A steel pedestrian bridge with 140 foot long trusses connects the Clarian Cancer Hospital to the parking garage across Michigan Street.

