

#### **CONCRETE CASE STUDY: ICF**

# MARTIN HALL AND NEW HALL B

209 Park Drive, Richmond, KY 40475

Completed: August 2017Floors: 5Architect: EOP ArchitectsSize: 199,480 sq ft (Martin Hall); 165,580 sq ft (New Hall B)Owner: Eastern Kentucky University Division of Purchases & Stores





# A LESSON IN STRENGTH AND DURABILITY.

The next generation of dormitory construction is here. Martin Hall and New Hall B at the Eastern Kentucky University, provides students the comfort and safety only concrete can afford. The buildings will not only serve the students living in them, but the entire EKU community. Each structure features a recreational room, private and group study areas, a community kitchen, a large multi-purpose room, and two classrooms.

# 01. A project of sheer magnitude.

The floors were constructed using 8" precast planks with a 3"concrete topping. This design allows for shallow floor-to-floor heights and ease of construction.

### **02. A durable structure.**

8" ICF exterior bearing walls are supported by a single structural steel interior beam/column line located within an 8" cold-formed metal framing corridor wall.

## **03. Resistant to Mother Nature.**

The lateral load resisting system includes concrete shear walls designed to provide stability against wind and seismic forces.

### 04. A strong building starts with a solid foundation.

The buildings' foundation consists of concrete grade beams framing between concrete drilled piers bearing on bedrock.