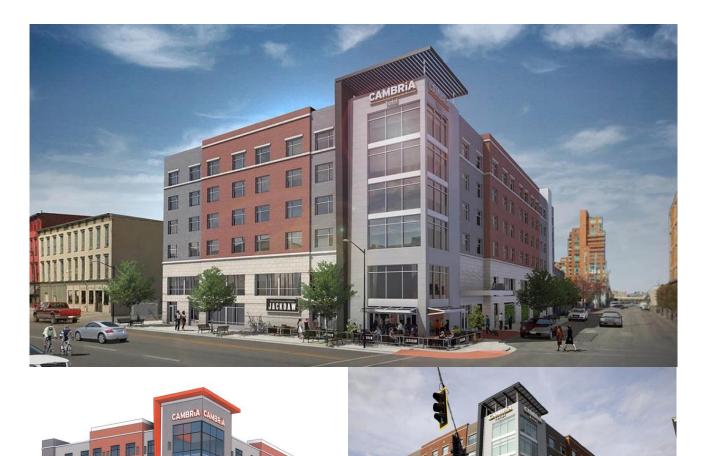
CAMBRIA HOTEL







128-room wood framed hotel in the downtown historic district

• 7-story luxury hotel

- 1-story covered parking garage with indoor entry to the hotel.
- More than 100,000 sq. ft.

Design Features:

- 2nd and 3rd floors design as PT slabs.
- Slab design to support a uniform perimeter load of 600 plf for brick support.
- 3rd level design as a podium slab.
- 9" thick PT slab.
- Unbonded PT quantities = 0.8 0.9 psf.
- Concrete compressive strength F'c = 5000psi.
- Designs based on loading provided on S0.0 and ACI 318-14

Louisville, KY.

CAPABILITIES

Post-Tensioning

Developer:

O'Reilly Hospitality Management LLC Architect: BRP Architects General Contractor: Killian Construction Co. Project completion: 2021 Industry Hospitality Project type:

NEW CONSTRUCTION



Full Project Description

The Cambria® Hotel Louisville Downtown-Whiskey Row is a seven-story luxury hotel located in the heart of Kentucky's Derby City. The 128-room hotel offers premium amenities, spacious suites, and unique, destination-inspired features. Located at Floyd and Market, this 111,438 sq. ft. low rise building also includes a swimming pool, parking garage, and rooftop bar that provides a marvelous view of this historic city.

Kline Engineering & Consulting designed the 2nd and 3rd levels as post-tensioned concrete floor slabs. The 3rd floor is a podium slab with drop caps to transfer the wood-frame loads from the levels above, while the 2nd floor is a thinner flat plate for ease of construction. The podium flooring system is well suited for mixed-use buildings due to the solid separation between the parking and residential areas, providing a barrier for both noise reduction and fire protection.

Photography and rendering: ©BRP Architects ©Kline Engineering & Consulting

D.C. METROPOLITAN | CHARLOTTE, NC | NORTH MIAMI, FL.