



Project Description

After the relocation of the Helipad of the Nicklaus Children's Hospital in Miami, FL. the existing pad had to be demolished to allow construction of a new 6-story surgical tower atop the fully operational emergency room.

Scope Features:

- Demolition drawings and sequencing for PT concrete at Helipad.
- Demolition drawings and sequencing for structural steel at Helipad and sky bridges to Helipad.
- Scaffolding-based work platform design.

CAPABILITIES

- Construction Services

OWNER / DEVELOPER:

Miami Children's Hospital

ARCHITECT:

HKS Architects

GENERAL CONTRACTOR:

Brasfield & Gorrie

PROJECT COMPLETION:

2023

INDUSTRY:

Healthcare

PROJECT TYPE:

DEMOLITION

Full Project Description

Following the helipad's relocation to the roof of the six-story Advanced Pediatric Care Pavilion bed tower in the initial phase of Nicklaus Children's Hospital expansion, the old pad had to be demolished to pave the way for a new state-of-the-art surgical tower spanning five stories and covering 127,000 square feet atop the one-story emergency department.

Kline Engineering, with its extensive expertise, was responsible for the design demolition, and scaffolding of the existing post-tensioned Helipad area. Our team meticulously prepared demolition drawings and devised a strategic sequencing plan for removing the Post-Tensioned concrete at the Helipad, as well as dismantling the structural steel and two connecting sky bridges. Additionally, our team developed drawings for a robust elevated work platform using scaffolding that was engineered to withstand the substantial weight of the concrete load plus the construction live load to secure the demolition procedure.

The existing Helipad consisted of 2 steel bridges providing access to a 20-inch elevated Post-Tensioned concrete slab. The structure was supported by 4 columns approximately 30 feet above the fully operational emergency room.

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