

## Reaching High

**Malcolm has recently introduced some of the biggest and most powerful equipment** of its kind in the Southeast in response to the demand for large-diameter and very-deep continuous flight auger (CFA) piling.

The company's new Liebherr LR 1300 crane and Berminghammer's box lead system is a multimillion-dollar commitment to investing in this region. This unit will complement its well-proven fleet of Bauer drilling rigs in the South Florida market and extend the depth for auger cast piles beyond 170 ft.

The equipment debuted on CMC Group's Brickell Flatiron project, a 64-story building located in the heart of Miami's most sought-after residential community. The foundation for this iconic high-rise building was designed by DeSimone Consulting Engineers and consists of 560 30-in.-dia auger cast piles. The design required a working load of nearly 1,000 tons, and the piles were drilled to depths of 130 ft through stratas of limestone, cemented sand and calcareous sandstone. Normally, a foundation of this size would require many months to complete due to the depth and hardness of the below-grade material. However, with Malcolm's custom-designed rig, piles can now be installed in less than an hour.



Malcolm installs deep auger cast piles in Miami.

With its new state-of-practice high-torque leader system, Malcolm is in the position to handle any size and depth auger cast pile project throughout the United States. This project will complement the company's existing portfolio of large and complex design-build projects, such as the Port of Miami Tunnel, the Brickell Citi-Centre and the Jade Signature project. ■

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