



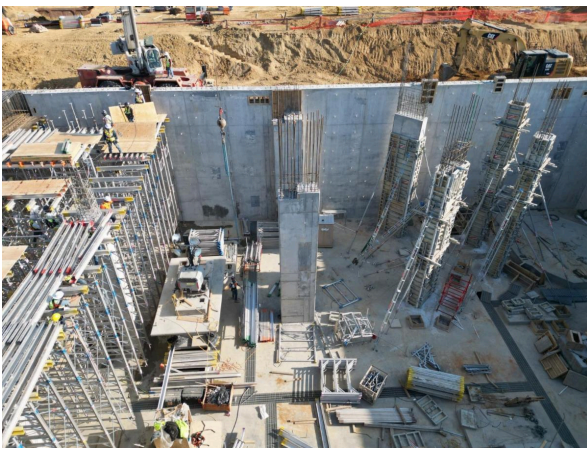
**Southern Industrial Contractors (SIC) recently completed a significant project located in the southeastern region of the United States.**

One portion of SIC's scope of work for this new manufacturing facility was the installation of a large concrete structure located beneath the new manufacturing equipment for the new plant. This large concrete structure was nearly 40 feet deep and larger than a football field.

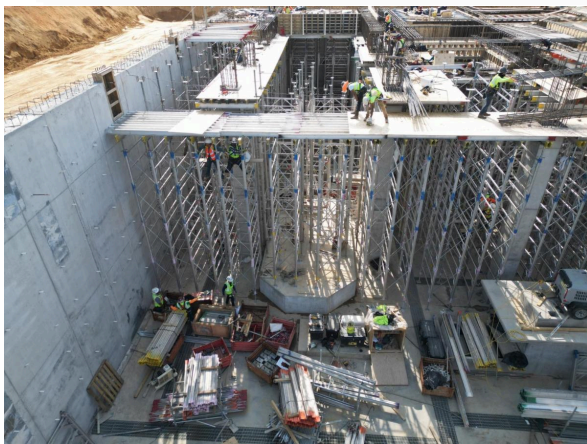
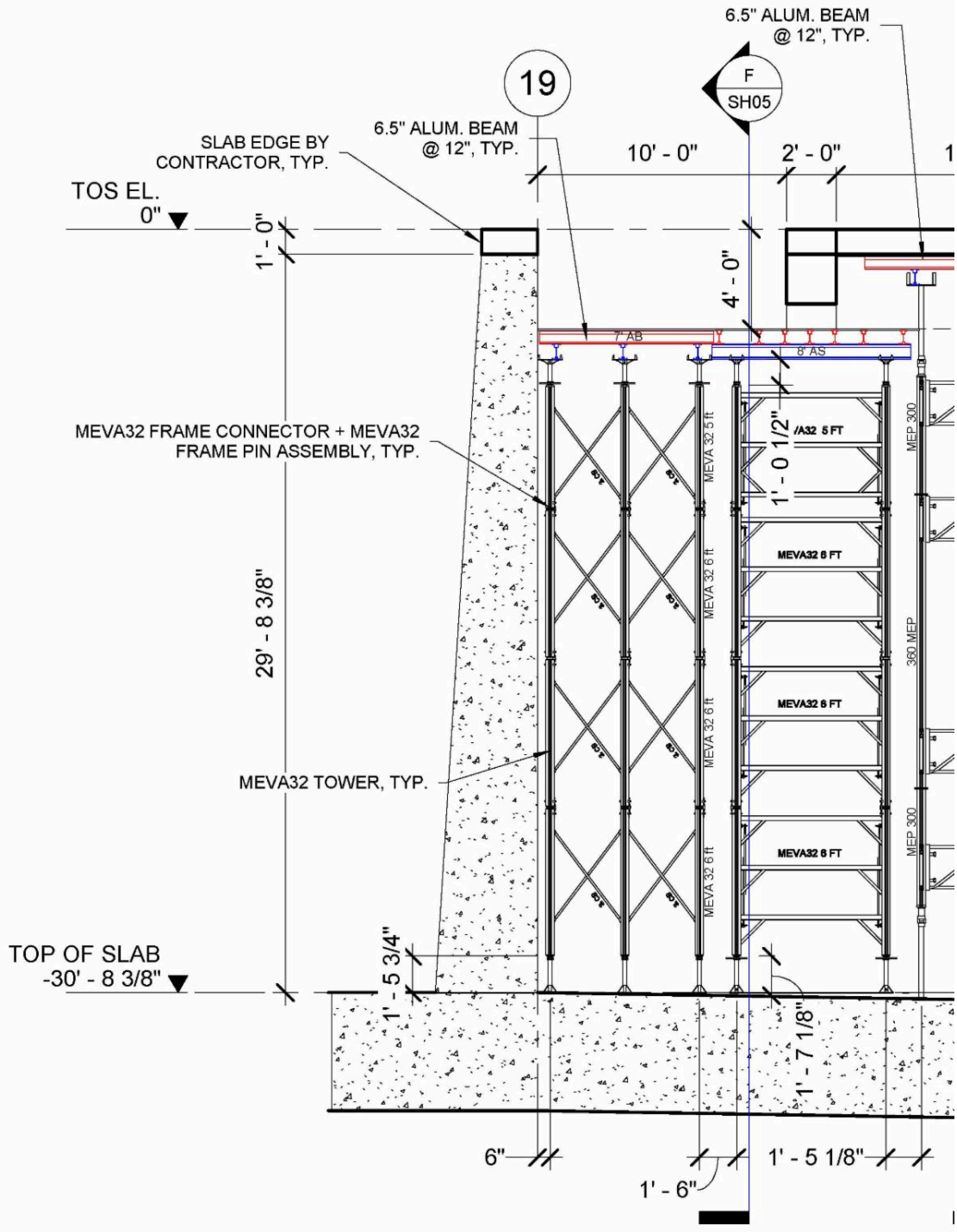


**SIC performed the following scopes of work to install this large complex concrete structure:**

- Excavation for the new foundation was over 150-feet wide north to south and 300-feet east to west and over 40 feet deep
- Installation of over 1,000 yd.<sup>3</sup> of mud slab
- Fabrication and installation of 7,124 tons of reinforcing Steel. The reinforcing steel was very complicated and heavily congested including piers, columns, pier caps, elevated decks, seismic critical joints, and butt splices (mechanical couplers) to ensure structural integrity. This structure involved numerous locations for #14 rebar where lap splicing was impractical.

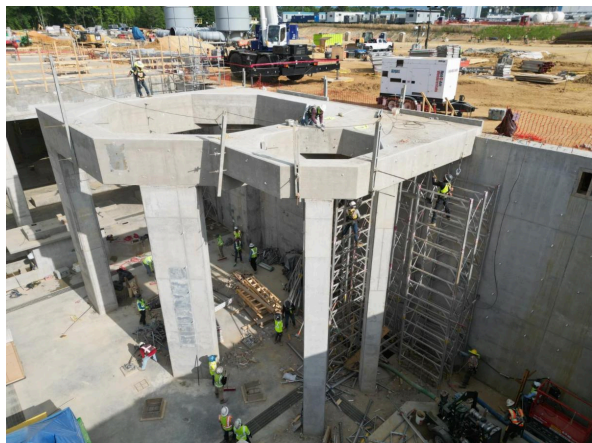
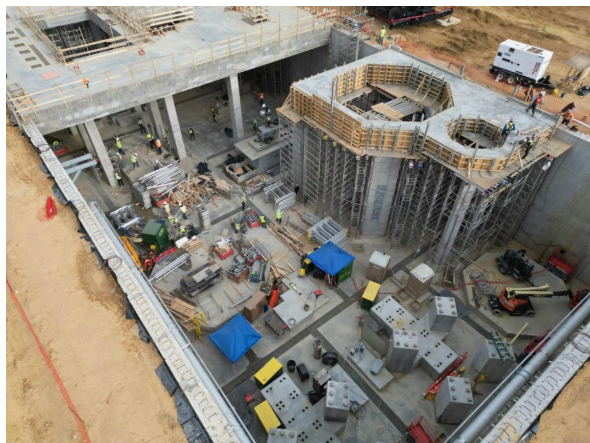


- SIC installed a temporary well point and dewatering system during construction activities to artificially depress the water table in order to facilitate installation of the work.
- SIC designed a 6-inch thick soil nail wall reinforced with two layers of reinforcing with 1-inch diameter epoxy-coated grouted 40-foot long tiebacks installed at a 12-degree inclination which allowed for a safe working environment at over 40-feet below the ground surface.
- The mat foundation for the concrete structure was nearly 5,000 yd.<sup>3</sup> of heavily reinforced concrete with trench drains, embeds, and sloped surfaces.



- The concrete wall sections consisting of over 4,400 yd.<sup>3</sup> were designed as battered and up to 35-feet tall. All concrete walls were poured monolithically and in one single vertical pour to limit horizontal and vertical joints.

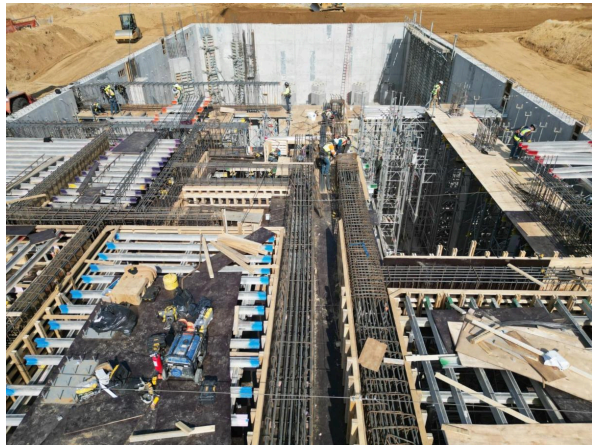
- A large portion of this concrete structure had elevated decks with average thicknesses between 4 to 6 feet. SIC utilized shore towers for the initial placement and maintained shoring beneath the elevated sections until the structure had achieved 100% design-strength.



- The structure included significant quantities of embeds, anchor pockets, anchor bolts, etc. SIC achieved this precision alignment work with robotic total stations.

- The new structure required the installation of a permanent dewatering system along with utilizing admixtures in the concrete mix design to mitigate ground water intrusion after construction activities have been completed.
- All work was completed in less than four months.

***SIC has expended over 384,712 manhours on this project with zero safety losses.***



Give us a call for your upcoming project needs.

Southern Industrial Contractors is a ***full-service*** and ***self-performing*** construction firm specializing in:

- Site work, mass grading, drilling & blasting, rock removal
- Pile Driving (H-Piles, concrete pilings, auger-cast, drill piers, sheet piling)
- Concrete Foundations/Slabs/Structures/Walls/Pits, Concrete Paving
- Concrete Demo/Crushing/Recycling
- Heavy Equipment Foundations
- Mechanical / Equipment Installation
- Crawler Crane Services/Rigging (450 tons cranes)
- Structural Steel Fabrication/Erection
- Pre-engineered metal building erection
- Utility Installation, Fireline, Storm Drain, Gas Line
- Electrical
- Engineering / Design services / EPC

Sam Estis  
Business Development  
samestis@sicllc.net  
Cell: (318)348-7947

David Adams  
Business Development  
david.adams@sicllc.net  
Cell: (912)658-3152

**Tommy Taylor**  
Electrical Division Director/  
Business Development  
tommy.taylor@sicllc.net  
Cell: (870)784-0105

**Josh Parker**  
Mechanical Division  
josh.parker@sicllc.net  
Cell: (850)890-5792

Southern Industrial Contractors | 430 S Tamiami Trail | Osprey, FL 34229 US

[Unsubscribe](#) | [Update Profile](#) | [Constant Contact Data Notice](#)



Try email marketing for free today!