

Seismic Case Study

> Martin Army Community Hospital - Fort Benning, GA

Project Name and Location	Martin Army Community Hospital - Fort Benning, GA
Contractor / Engineer	M.C. Dean - The Army Corps of Engineers
Building Type and Size	Health care facility, 1x hospital, 2x clinics and 2x parking garages = 750,000 ft ²
Application	Primary supports for conduit trapeze racks, and seismic restraint
GripplE Products Used	320,000 GripplE HangFast cable hanger kits (Toggles and 90° Eyelets), and 6,300 GripplE Seismic cable braces (GS12 and GS19)

Why GripplE?

- Turnkey solution
- Materials are easily delivered to the job site
- Less labor intensive and easier installation than traditional methods
- Reduced time on drawing turnaround
- Approvals gained quickly
- Flexibility and versatility



The flexibility of the products impressed project Superintendent, David Timberlake, who stated, "The biggest benefit is the flexibility of GripplE. During the installation with GripplE you are able to install around things you normally wouldn't. That is the biggest benefit that we see."

"The seismic GripplE system translates into labor savings."

- Willy Lizarraga

Naturally, the flexibility of the products reduces installation times and consequently, labor rates. This characteristic helped to persuade David to choose GripplE Seismic. David recommends considering GripplE Seismic as, "It allows a quicker install and it's just more versatile than anything else."

Backing this up, M.C. Dean Foreman, Jared Strande says, "The best thing about the GripplE system is that it is real versatile in real world situations. It's much quicker and much more efficient than traditional methods."

Willy Lizarraga, the project's Operations Manager, commented, "The seismic GripplE system translates into labor savings."

"It allows a quicker install and it's just more versatile than anything else"

- David Timberlake

Complementing GripplE Seismic's range, accurate engineered drawings were also issued for the project, ensuring a full turnkey solution was provided.

This proved to be another enticing service for Willy Lizarraga, who says, "The second aspect that I liked about the seismic solutions was the reduced time associated with getting the drawings. Providing the drawings to the owner for approval and therefore, providing a turnkey solution, was very attractive."

In summary, Willy Lizarraga states, "The benefits of using a GripplE system solution, are that, it's a turnkey solution, the materials arrive efficiently at the job site and the installation, labor wise, is a lot easier than using other competitors."

"It's much quicker and much more efficient than traditional methods."

- Jared Strande

Installation Method	GripplE	Traditional (rigid bracing)
Cost of materials	\$1M total: \$810K Hangers / \$190K Bracing	\$1.3MM total: \$950K Hangers / \$230K Bracing
Installation time (hours)	264,000 man hours	370,000 man hours
Labor rate (per hour)	\$90 per man hour	\$90 per man hour
Total labor costs	\$23.76M	\$33.3M
Total Costs	\$24.76M	\$34.7M
Savings made	Man Hours	Money
	106,000	\$9.54 M