

CASE STUDY

**Kananaskis Emergency
Response Center**
Kananaskis, Alberta, Canada



TIME SAVINGS
364 HOURS

WORKING WEEKS SAVED*
9 WEEKS

LABOR SAVED
\$17,600

Kananaskis Emergency Services Centre is part of an \$18.5 million government funded project to provide a replacement facility, which will offer fire and advanced life support ambulance services, as well as a 24 hour dispatch centre. GripplE supplied the [Express](#) hanger kits and [GS 12 Kits](#) for this project.

Project Summary

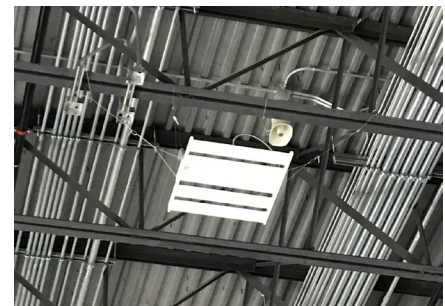
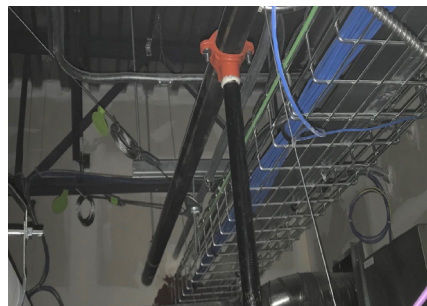
Building type	Post-Disaster Emergency Response Center
Main Contractor	CLARK Builders
MEP Contractor	Blazer Mechanical (Plumbing), West-Air (HVAC), Quigley Electrical (Electrical)
Building structure	Concrete and Metal Decking
Services	Lighting, secondary supports, seismic restraint

Featured Products

Express



GS Kits



"This was my first time using GripplE and just something as simple as hanging the high bay lights was so much [easier](#). [Adjustability](#) and the idea that I didn't have to deal with chain was a game changer."

- Alan, Electrical Foreman, Quigley Electrical -

COST SAVING SUMMARY

	GripplE solution	Traditional method
Overview	GS 12 kits, Express No.1	Rigid bracing, Jack Chain
Material cost	\$24,000	\$8,000
Installation time	20 hours	384 hours
Labour rate (per hour)	Electrical: \$60.00, Mechanical: \$50	Electrical: \$60.00, Mechanical: \$50
Total labour cost	\$2,560	\$20,160
Total cost	\$26,560	\$28,160

*Figure based on one installer working for eight hours a day

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Kananaskis Emergency Response Center

Kananaskis, Alberta, Canada



PROJECT DETAILS

The three year project for a new facility for Kananaskis Emergency Services Center is expected to be fully operational by 2019, the new center will house full-time and casual firefighters as well as an advanced life-support EMS unit with two AHS staff on site at all times.

When a GripplE representative first arrived on site they were originally required for their Seismic Engineering services and for offering a restraint for non-structural components. After seeing the benefits of other GripplE products they decided to also use GripplE for suspending the lights in the apparatus bay.

The GripplE Express No.1 hanger was used for suspending all of the lighting, as the hanger is up to 6 times faster to install when compared to traditional methods - allowing the contractor to finish on the project ahead of schedule. The ergonomic push button is quick and easy to use for adjusting and levelling the position of the fixtures. The

Express No.1 has a 5:1 safety factor with 33 lbs load rating per hanger.

In addition, GripplE Cable Bracing Systems were also installed on this project to minimize damage on the building structure in event of an earthquake or seismic event. The project required GS12 kits with a Load and Resistance Factor Design (LRFD) of 1,050 lbs. The GS Kits were used as a seismic restraint on site by all of the contractors. The kits have color-coded tags which allow for easy field verification from the ground, along with being adaptable for a variety of configurations.

GripplE Engineering services, ensure the bracing meets the seismic design requirements of the non-structural components related to weight loads and types of connections. Both GripplE systems saved the contractors working on this site 9 working weeks*, and \$17,600 in labor costs.

