



# CASE STUDY: Purnell Energy

Grand Prairie, Alberta

## Movable Yet Durable

### Executive Summary

Nathan Purnell was looking for a building durable enough to use as a paint booth and adaptable enough for relocation. Creating more of a challenge, Purnell needed the shop up and running in just 2-3 months, as he missed the permit application window. He also wanted the building to reside near an airport, which challenged our engineering team to create a structure that was both durable and portable.

Purnell Energy Services Ltd. is an Oilfield service company that specializes in facility and modular construction, pipeline construction, and maintenance. Located in Grand Prairie, Alberta, they are perfectly poised to service Alberta, British Columbia, and Saskatchewan.

### Project Profile

#### Size:

62' x 120' CC Series on 10' centres

#### Site Parameters:

31 psf snow load & 60 mph wind speed

#### Fabric:

White FR fabric

#### Mount:

Sea Containers

### Calhoun's Solution

Nathan chose Calhoun because of the economical building value and the install proposal, as well the mount option of shipping containers. These containers were imperative to his structure, as they provided additional storage space while increasing the ease of portability.

### Additional Information:

One end closed; one end with 30' x 20' door opening. Addition of mesh vents.

Despite uncontrollable delays, Calhoun and the local dealer Cobra, kept in constant communication for complete transparency. The structure was erected after the delays were resolved, and in the end, Purnell received a customized structure - which included mesh vents - that could withstand the harsh weather conditions of Alberta; all while remaining portable.

