

Sprung Structures

Housing & Homelessness Services

What is a Sprung Structure?

- A Sprung structure is a modular tension fabric building
- Each Sprung structure features aluminum arches that are integrally connected to an all-weather outer architectural membrane
- Sprung structures can be customized with a number of different accessories, including doors, windows, canopies, vestibules, covered walkway systems, connecting corridors, glazing walls, graphic enhancements, etc.
- Types of uses:
 - Churches
 - Gymnasiums
 - Mess halls
 - Recreation centres
 - Temporary medial buildings
 - Portable office buildings
 - Shelters

Benefits of Sprung Structures

- Ability to facilitate rapid construction
 - Design process takes days and construction takes weeks
- Minimal foundation requirements, which means there is little to no ground surface preparation required (excavation, shoring, etc.)
- Expandable and relocatable
 - Modular design of sprung structures allows for reconfiguration and/or expansion, or the structure can easily be moved, if needed
- Designed with optimal heating and cooling efficiency
- Column free interior, allowing for flexible interior space planning

Examples of Sprung Structures



Customizable Exterior and Interior



A Bridge Home – Venice, California



A Bridge Home – Venice, California



Harbor of Hope, Oregon



Harbor of Hope, Oregon



Division Circle Navigation Centre, San Francisco



Division Circle Navigation Centre, San Francisco



Ottawa Hospital – Emergency Response Centre

