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





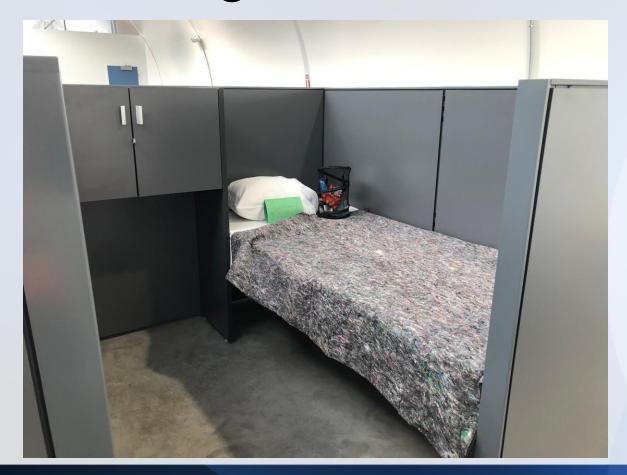


A Bridge Home – Venice, California





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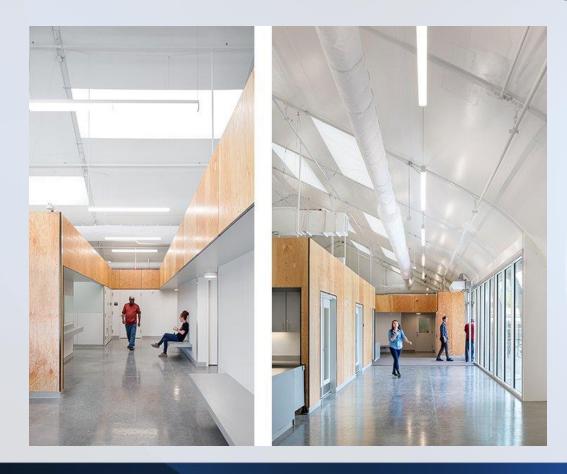
Harbor of Hope, Oregon







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Division Circle Navigation Centre, San Francisco

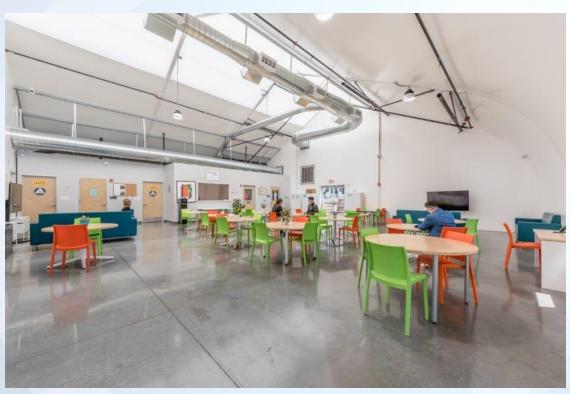






Division Circle Navigation Centre, San Francisco







Ottawa Hospital – Emergency Response Centre







