Deployment of varying modular health care "plug-in modules" into the context of a rural critical access hospital will allow the facility to quickly and economically react to technological progress, code revisions, population shifts and disaster scenarios.

**FACILITY TYPE:** The facility will be a 17-bed Critical Access Hospital with a modular expansion capacity of 25 beds.

Rural communities have medical needs that cannot be funded by rural economies. But if a network of communities share medical space and technology, these needs can be attained at minimal cost.

Marfa, Texas has a population of approx. 2,121 and is a 30-minute travel from any nearby medical facilities. The population can also swell rapidly due to local events and exhibitions.

The hospital site lies on a slope at the north edge of town, off of the Highway 17 that heads north 20 miles to the nearest airport in Fort Davis and south to the border town of Presidio, approximately 60 miles away.

The elevated topography allows for a view of the entire city of Marfa and gives the facility the opportunity to present itself as a major local landmark.

Early conceptual sketches addressed this elevated viewpoint and established an extended facade that allowed modular connectivity to reach all program locations.

A 3-level hierarchy of spaces was created to separate public and private functions. An analogue can be seen in the typical airport terminal: many spaces must be separate though connectivity cannot be lost.

**Plentiful, inexpensive and durable shipping containers fit seamlessly into existing transportation networks.**

Modules may be outfitted with any equipment or technology. Pop-out panels can increase area to 416 sq. ft. networks.

The container-based design also allows for safe, simple, and sturdy stacking designs on-site at remote hospital locations.

Modules are loaded and transported in a perpendicular state to their installed position. A special beam crane is used to manipulate the modules in three axes.

Module hangers are cast directly into the building structure.

A collapsible accordion gasket separates the module connection from the exterior environment.

**RECOMMENDED ATTACHMENTS**