

10,000 RV



**Modular Building
Concepts, Inc.**

project profile

Location: San Diego, CA

Building Size: 60'x80'

Square Feet: 4,800

Building Use: Sales office, restaurant, conference rooms

Client Challenges: 10,000 RV, a very successful and established RV dealer was looking to open a new state of the art sales facility with a “diner” style restaurant in San Diego. Their lot had excellent freeway frontage and was ideal as a sales facility. The challenge was it sat directly over an old landfill. The building department ruled that no permanent structures could be built on site due to settling ground conditions and the evidence of methane gas.

The MBC Solution: Modular Building Concepts was contracted by 10,000 RV to design-build a structure that met all city codes, was “permanent” looking and would be suitable for sub standard site conditions. The building and foundation must be engineered to accommodate shifting soils and escaping gas. After extensive discussions with engineers and architects, MBC proposed to the local building department an adjustable foundation system that would accommodate settling, should it occur. The exterior finish was changed to a commercial grade “elastomeric” product that had flexing properties to conceal minor cracking. To cope with escaping gases, the floor was elevated above grade and screened with concrete block to look meet architectural concerns yet allow for constant air movement under the building. After thorough plan review by the building department a permit was issued and the building was installed within 45 days.



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“Total Space Solutions”

Phone: 858-679-1185

www.mbconcepts.com

mbc@mbconcepts.com

