GRIC Sustainable Housing

GRIC is a community of approximately 13,000 members located adjacent to the city of Phoenix. In 2016, the Governor and his leadership team entered into discussions with the Del E. Webb School of Construction at ASU regarding the development of a sustainable housing prototype.

**Design Drivers: Reducing Energy Consumption, Culturally Responsive Forms + Circular Economics**

Arizona experiences temperatures up to 118 F (47 C). According to Climate Change Central, Phoenix is the second fastest-warming city in the USA. With 30% higher electricity consumption here than in the rest of USA, electricity costs can be a financial burden for low income residents in the region. Since 2016, ASU faculty and students have completed multiple activities toward understanding cultural design of homes for GRIC. Activities included two community design engagement sessions, the construction of a traditional shade structure (vato) at GRIC, a survey on sustainable housing and a mobile design lab with residents. The next phase is co-building a prototype.

**Location:**
Sacaton, Arizona

**Client:**
Gila River Indian Community

**Stage of Completion:**
Design Development / Soon to be Built

**Design Leads:**
Wanda Dalla Costa, Claudio Vekstein

**Design Team:**
Selina Martinez, Various ASU Students

**Date:**
Spring 2016 - Spring 2021