The project is to propose solutions for worker housing in Phnom Penh, Cambodia. In Cambodia, as in the case with many developing countries in Asia, a experiencing rapid economic growth, and with it a mass migration of people from the rural areas to the urban centers. Migrant seek better paying jobs to raise the standard of living for their families and their families. However, most jobs in the growing economy are in the industrial or service sectors, and unskilled workers typically be hired at relatively low paid entry-level positions. Therefore, it is difficult for them to afford housing meeting even minimum standards for thermal comfort, sanitation, and security. Access to rooftop gardens allows workers grow food and maintain a connection to their farming background. Courtyard social spaces including Lourdes space and fountains on the west side of the building are provided for the residents. Access to rooftop gardens allows workers grow food and maintain a connection to their farming background. Courtyard social spaces including Lourdes space and fountains on the west side of the building are provided for the residents. Access to rooftop gardens allows workers grow food and maintain a connection to their farming background. Courtyard social spaces including Lourdes space and fountains on the west side of the building are provided for the residents. Access to rooftop gardens allows workers grow food and maintain a connection to their farming background. Courtyard social spaces including Lourdes space and fountains on the west side of the building are provided for the residents. Access to rooftop gardens allows workers grow food and maintain a connection to their farming background. Courtyard social spaces including Lourdes space and fountains on the west side of the building are provided for the residents. Access to rooftop gardens allows workers grow food and maintain a connection to their farming background. Courtyard social spaces including Lourdes space and fountains on the west side of the building are provided for the residents. Access to rooftop gardens allows workers grow food and maintain a connection to their farming background. Courtyard social spaces including Lourdes space and fountains on the west side of the building are provided for the residents. Access to rooftop gardens allows workers grow food and maintain a connection to their farming background.

**Local Context**

- Community
- Unit Type
- Building
- Total Units Number: 8,897

**3,449 REQUIRED**

- One Building: 154 Units (Housing) + 10 Units (Retail) + Community Spaces (Day Care, Gym and Education)
- Total Units Number: 8,897

**Phnom Penh Worker Housing**

We employed a courtyard typology, using a stepped height profile for sun screens and control. Massing is broken down into 3-meter modules to match the typical local row house street front dimension. A variety of unit types are provided to accommodate families of singles. Orientation, ventilation, and sun-screen shading were designed to provide interior comfort without recourse to air conditioning. Access to rooftop gardens allows workers grow food and maintain a connection to their farming background. Courtyard social spaces including Lourdes space and fountains on the west side of the building are provided for the residents. Access to rooftop gardens allows workers grow food and maintain a connection to their farming background. Courtyard social spaces including Lourdes space and fountains on the west side of the building are provided for the residents. Access to rooftop gardens allows workers grow food and maintain a connection to their farming background. Courtyard social spaces including Lourdes space and fountains on the west side of the building are provided for the residents. Access to rooftop gardens allows workers grow food and maintain a connection to their farming background. Courtyard social spaces including Lourdes space and fountains on the west side of the building are provided for the residents. Access to rooftop gardens allows workers grow food and maintain a connection to their farming background. Courtyard social spaces including Lourdes space and fountains on the west side of the building are provided for the residents. Access to rooftop gardens allows workers grow food and maintain a connection to their farming background. Courtyard social spaces including Lourdes space and fountains on the west side of the building are provided for the residents. Access to rooftop gardens allows workers grow food and maintain a connection to their farming background. Courtyard social spaces including Lourdes space and fountains on the west side of the building are provided for the residents. Access to rooftop gardens allows workers grow food and maintain a connection to their farming background. Courtyard social spaces including Lourdes space and fountains on the west side of the building are provided for the residents. Access to rooftop gardens allows workers grow food and maintain a connection to their farming background.
CLIMATE & WEATHER
During winter time, the condition could be not comfortable for people well. However, housing should provide natural ventilation and sunlight well.

FLOORING
Housing units need to raise from flooding level for safety.

COMFORT FOR RESIDENTS
Design over the standards for thermal comfort, sanitation, and floor area per person.

COST & AFFORDABILITY
For cost efficiency, precast is an optimal solution for short construction time and reduced life-cycle costs of buildings. That is why we select, maintain and previous concrete have been approved as the main building material for our project.

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