

STRETCHING SOCIAL STRUCTURES

ADAPT THE URBAN COMPOUND HOUSE TO PRESENT LIVING



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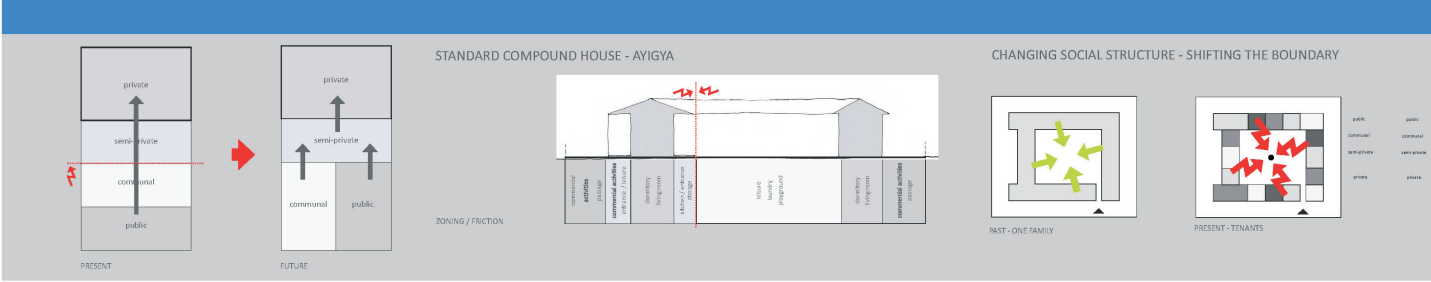
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BUILDING IN AYIGYA

PRESENT: plot, NO FINISH, MANUFACTURED BUILDING BLOCK, HARD TO SERVICE, EXPENSIVE MATERIALS

FUTURE: [Diagram showing building evolution]

SCENARIOS

- OWNER & TENANTS**
JOICE (age 33) - banker (fruit and vegetables) - married, 2 children, Mary (1) and Benjamin (15) - husband is a carpenter, usually sleeps in his shed on one of the main entrance roads to the city
- MARKET**
KEVIN - here with his brother, is the shoe doctor and wants to rent a storage unit in the market, so he doesn't have to drag all the shoes home every day. Also would he have the possibility to sell some shoe related articles.
- HOME-BASED COMMERCIAL**
JIMMY AND DANIEL - rent a small shack in an alley close to the market. They sell home made food. The shacks are cluttering the streets. People and customers can't get through. The informal rented square meters from the plot owner is the only way to get up their shack. A story is much too expensive. Therefore they rent a room in the home-based commercial compound. It is an opportunity to sell their goods from their room, so they don't have to rent a shack. It will decrease their expenses and, with a baby coming, it is possible to work and take care of the baby at the same time.
- TENANTS**
MICHAEL IWENU COMMEH (age 22) - student engineering in the KNUST / odd jobs in the neighborhood (washing etc.) to pay college fee - girlfriends, no children
- COMPOUND FOR EXTENDED FAMILY (FUTURE)**
K.K. BEDIAWOH (age 55) - owner of two popular restaurants in the city center of Kumasi - married, 2 children - No mother and 3 stepbrothers live

MATERIAL + TECHNOLOGY

Identify existing material & technology in compound house	Sandcrete Concrete (structure) GI sheet	Mudbrick Wood
Adapt to present situation	Locally available Affordable	Use-friendly Adaptive to: Climate Culture Social values
Improve	Mudbrick: stabilized soil brick Sandcrete: hollow block GI sheet: Insulate	Alternative Bamboo wall (culm) Wood-crete Wood floor

FINANCE

Identify existing financing scheme of compound house development	Source of finance: - Personal Saving - No loan available	Construction Cost: - Poor design - Expensive material - High cost of labor
Adapt to present situation	- Rental Unit - Tap into potential capital - Local affordable material	
Source of Finance	- Better financial management - Provide collateral to get loan	Construction Cost - Better design to generate more income - Use of local affordable material - Simple construction method to enable the tenants involvement

COMMUNICATION

Identify existing communication network in compound house development	a. Government of Kumasi Metropolitan Area (KMA) b. People of Kumasi: 1. Chiefs 2. Landlords 3. Tenants c. Experts (KNUST): 1. Teachers 2. Students
Adapt to present situation	Engage the social capital of Ayigya (utilize the role of Chiefs and Landlords) Optimal Human Resources (engage students in bridging the gap process)
Strategy	Students involvement: As the agent of communication, social education and development for implementation process
Alternative	Full Technical Assistant by Communication Consultant



