

BHIMPHEDI AWASUKA



भीमफेदी आवासुका



AWASUKA ♦ Aawaas Sudhar Karyakram

PATRA KU-KATH

EARTHQUAKE RESISTANT PROTOTYPE

पत्रा कु काठ भूकम्प प्रतिरोधात्मक नमूना घर

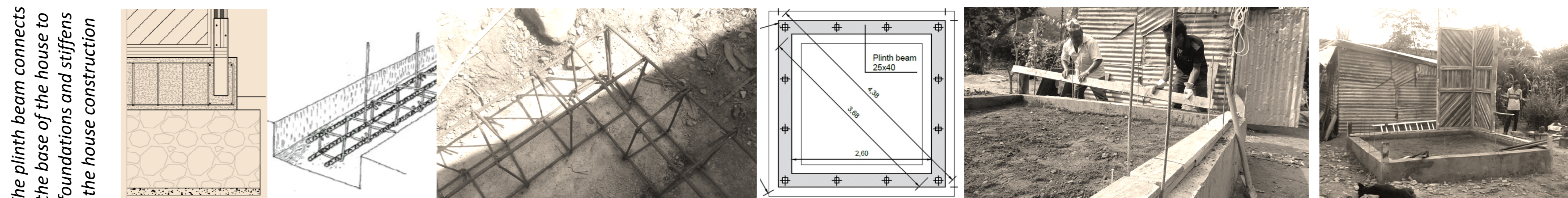
Patra Ku-Kath is an inexpensive wood commonly used for scaffolding. As wood is expensive, AwasukA team has proposed to build a **light-quick**-construction house using prefabricated panels made of Patra. It can be used as a **temporary shelter** and as a **permanent house**. Additionally, typical temporary shelters have bad thermal behavior due to CGI sheets, whereas patra construction improves **thermal comfort**.

PROBLEMS

SOLUTIONS

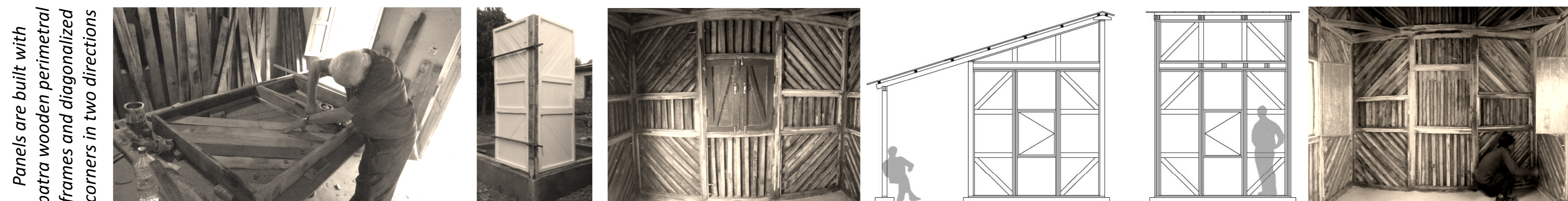
1. Lack of Plinth Beam under walls

1. Plinth Beam connected to wall panels



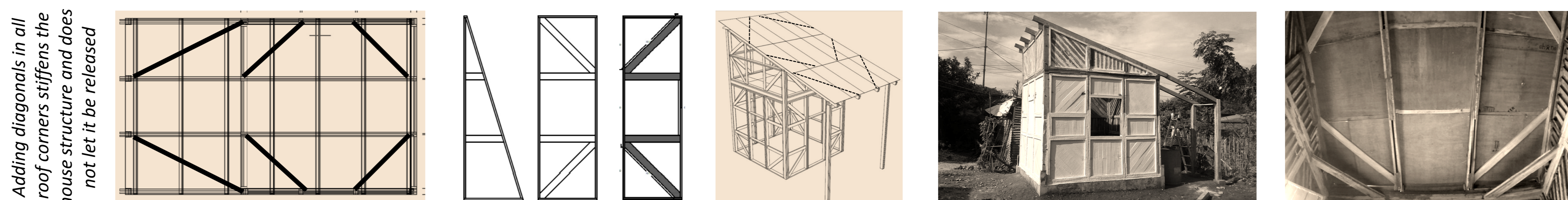
2. Wall planes not stiffened

2. Prefabricated panels with diagonals at corners



3. Roof planes not stiffened

3. Roof diagonals added at horizontal planes



4. Lack of thermal insulation

4. Wooden walls and insulated roof provide thermal comfort



AWASUKA DEVELOPERS



PROMOTER



LOCAL PARTNERS



SPONSORS

