“From Temporary to Permanent; A Circular Approach for Post-disaster Housing Reconstruction”

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RECONSTRUCTION PROCESS FOLLOWING A DISASTER OR CONFLICT:

EMERGENCY SHELTERS
TEMPORARY SHELTERS
TEMPORARY HOUSING
PERMANENT HOUSING
RECONSTRUCTION PROCESS FOLLOWING A DISASTER OR CONFLICT:

EMERGENCY SHELTERS
TEMPORARY SHELTERS
TEMPORARY HOUSING
PERMANENT HOUSING

TEMPORARY ACCOMMODATION ALTERNATIVES

MOBILE HOMES
RECONSTRUCTION PROCESS FOLLOWING A DISASTER OR CONFLICT:

EMERGENCY SHELTERS
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PAPER SHELTERS
RECONSTRUCTION PROCESS FOLLOWING A DISASTER OR CONFLICT:

EMERGENCY SHELTERS
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SELF-BUILT SHELTERS
RECONSTRUCTION PROCESS FOLLOWING A DISASTER OR CONFLICT:

EMERGENCY SHELTERS
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WINTERIZED TENTS
RECONSTRUCTION PROCESS FOLLOWING A DISASTER OR CONFLICT:

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TEMPORARY ACCOMMODATION ALTERNATIVES

UNFINISHED BUILDINGS
THE DESTINY OF TEMPORARY DWELLINGS

What to do with the left units and how can they perform in responding to the community needs?

Demolition, relocation, selling, different usages, upgrading to be permanent, storing for future use and renting, could all be possible scenarios to the eventual end use for temporary structures.
TEMPORARY DWELLINGS: PROBLEMS AND FAILURES

ECONOMICAL SUSTAINABILITY PROBLEMS

ENVIRONMENTAL SUSTAINABILITY PROBLEMS

SOCIAL SUSTAINABILITY PROBLEMS
INCREMENTAL HOUSING SOLUTION

DEFINITION

Incremental architecture is a manner of construction which draws on the gradual evolution of the housing unit. Which could be advantageous in some cases where it is considerably complicated to construct instant structures straight away.

INCREMENTAL METHODOLOGY

Incremental strategy relies on the adaptation of each construction step with the local capacities and allows the evolution and expansion simultaneously with the community growth and development.
INCREMENTAL CASE STUDIES
ALEJANDRO ARAVENA, QUINTA MONROY

The target site was in the centre of the city, known as “Quinta Monroy”, and occupied an area of 54,000 sq ft (5,017 m²). (Fig. 59). It was home for 100 families settled in informal dense clusters with poor qualities of life.

Building a half proper house in terms of size, location, and qualities rather than a complete small house

The delivered half houses were two-storied with a space left between houses for expansions

In conclusion, Aravena used the budget as an investment rather than an expense of house
INCREMENTAL KEY ASPECTS

A NARRATIVE OF FLIXEBLE INCREMENTS

A FURTHER METHOD OF CONSIDERATION: PERMANENCY IS THE NEW TEMPORALITY
INCREMENTAL KEY ASPECTS

A NARRATIVE OF FLEXIBLE INCREMENTS

A FURTHER METHOD OF CONSIDERATION: PERMANENCY IS THE NEW TEMPORALITY

SOCIAL PERSPECTIVES
- Affordability for low-income communities
- Psychological recovery
- Guided community participation

ORGANIZED INFORMALITY

TOWARDS SUSTAINABLE DEVELOPMENT AND CIRCULAR ECONOMY

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“THANK YOU”