

Shelter + NFI Cluster Meeting 06.04.2021

CENTRAL REGION-Presentation/Agenda

1. General Overview of Eloise situation and shelter and NFI needs
2. Housing damages- **CHIVABABA, MUANZA, MARROMEU, CAIA**
3. Accommodation centres deactivation
4. OCHA reporting mechanism- by Cluster Coordinators
5. Partner updates
6. UNHabitat Presentation

1. *Visão geral da situação Eloise e das necessidades de abrigo e NFI*
1. *Danos causados à casas- CHIVABABA, MUANZA, MARROMEU, CAIA*
2. *Centros de Acomodação desactivacoes*
3. *Mecanismo de informação OCHA - por Coordenadores de Cluster*
4. *Actualizações de parceiros*
5. *UNHabitat Presentation*

DESTROYED HOUSES– CHIVABABA, MUANZA, MARROMEU, CAIA



Shelter Cluster Mozambique
ShelterCluster.org
Coordinating Humanitarian Shelter

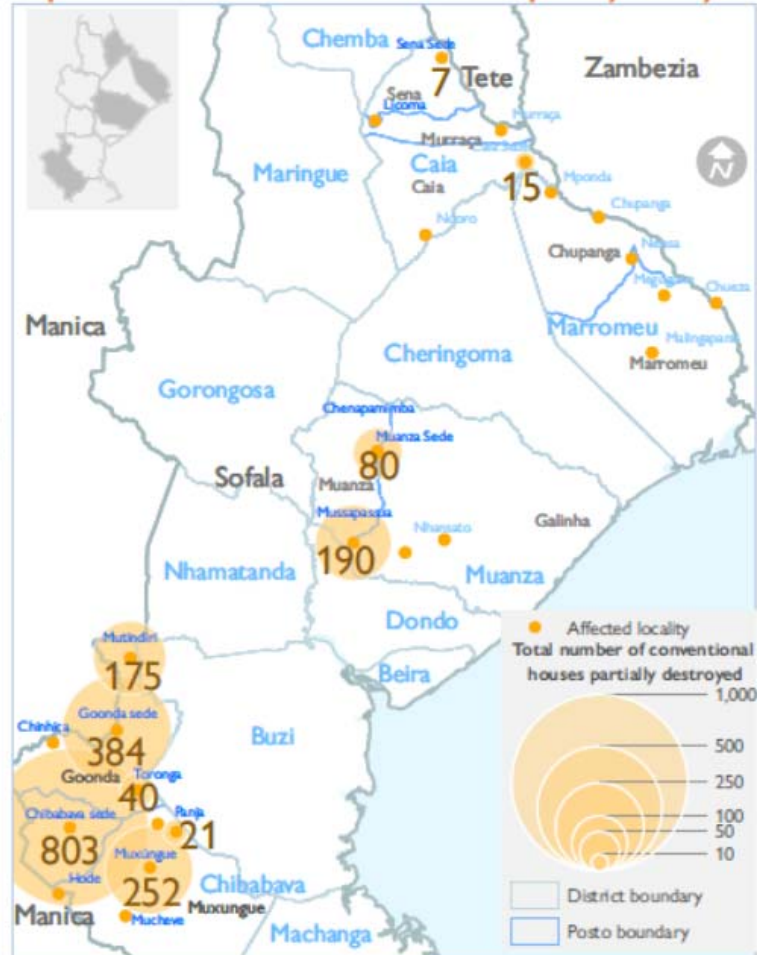
Shelter Conditions in the Aftermath of Tropical Cyclone Eloise In Caia, Chibabava Marrromeu, And Muanza Districts

April 2021

Map 1: Total number of conventional houses totally destroyed



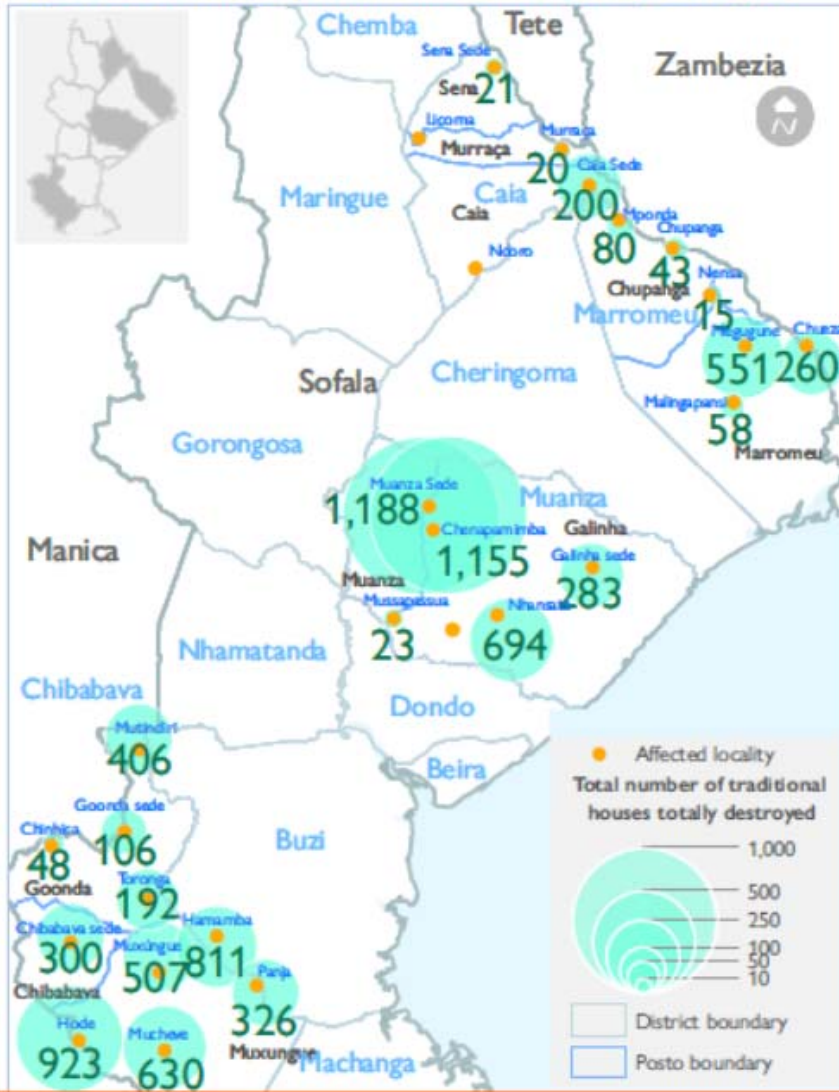
Map 2: Total number of conventional houses partially destroyed



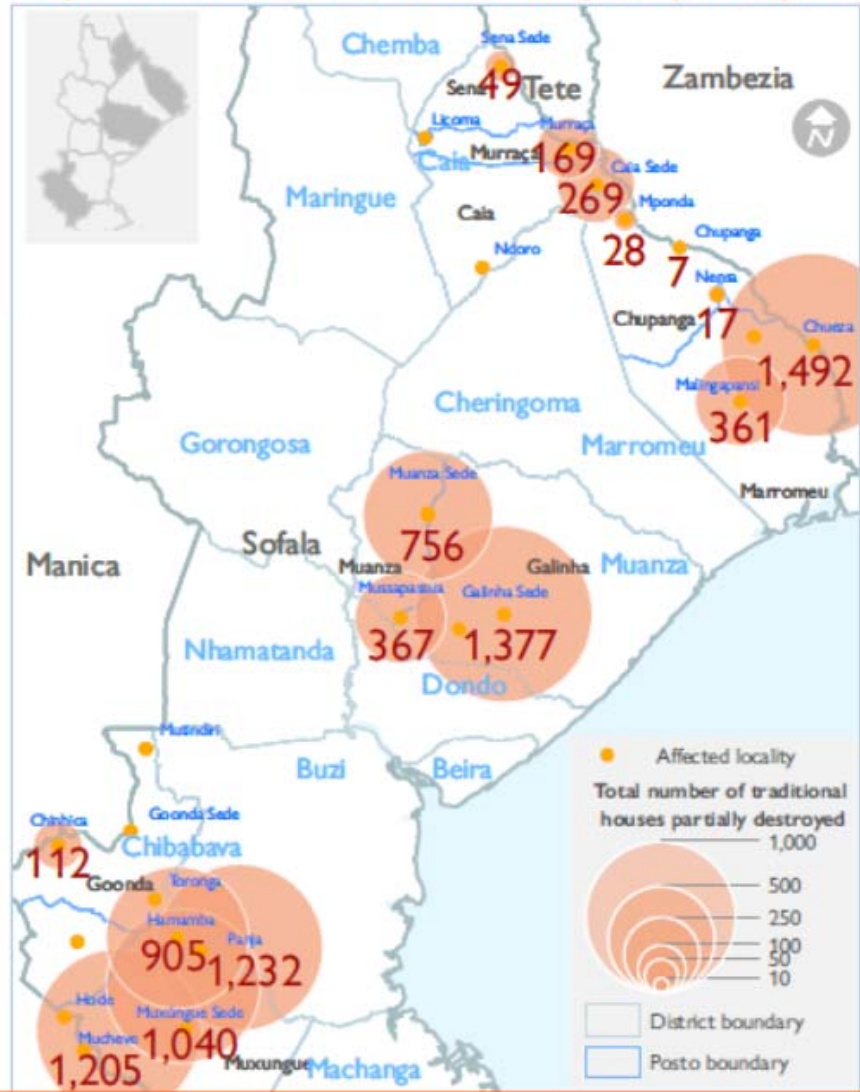
Global Shelter Cluster
ShelterCluster.org
Coordinating Humanitarian Shelter

DESTROYED HOUSES— CHIVABABA, MUANZA, MARROMEU, CAIA

Map 3: Total number of traditional houses totally destroyed



Map 4: Total number of traditional houses partially destroyed



Data source: IOM DTM, INGD, HDX

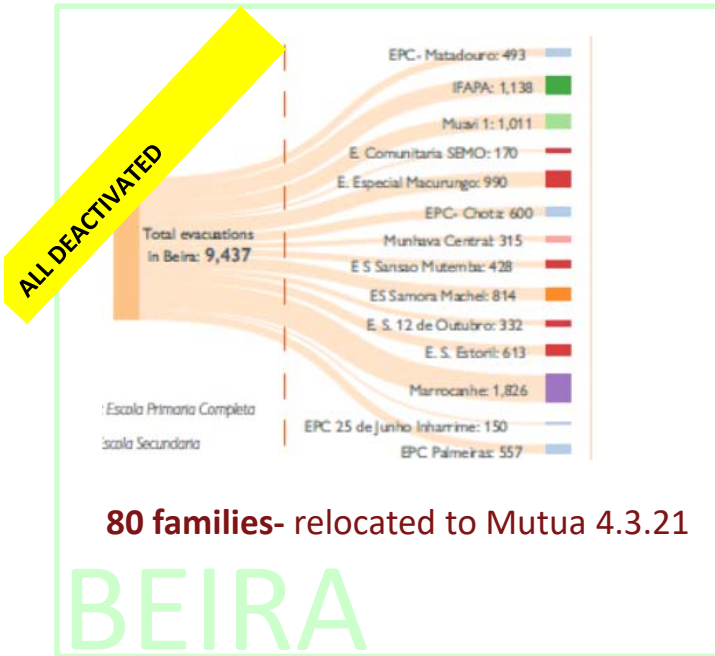
DESTROYED HOUSES– CHIVABABA, MUANZA, MARROMEU, CAIA

<https://dtm.iom.int/reports/mozambique-%E2%80%93-tropical-cyclone-eloise-multi-sectorial-needs-assessment-sofala-province-march>

<https://dtm.iom.int/reports/mo%C3%A7ambique-ciclone-tropical-eloise-avalia%C3%A7%C3%A3o-das-necessidades-multi-sectoriais-prov%C3%ADncia-de>

<https://dtm.iom.int/reports/mozambique-%E2%80%94-shelter-conditions-aftermath-tropical-cyclone-eloise-caia-chibabava-marromeu>

ELOISE ACCOMODATION CENTRES- ORDER OF DEACTIVATION



80 families- relocated to Mutua 4.3.21

BEIRA

EPC Inharongue	COMPLETE- CVM/IFRC	302	1510
Bopira	ASAP – StC, IOM, INGD	158	700
Mucinemue		170	800
Muchenessa	COMPLETE- CVM/IFRC	313	1500
EPC Bandua		451	2550
A.C Guara guara	IN PROCESS OF DEACTIVATION CHIQUEZANA FINAL COMMUNITY 8.4.21	2,710	13,550
Subtotal		4086	20430

ALL SHOULD BE DEACTIVATED BY 13.4.21

3 BUZI

John Segredo – 301 FAMILIES

2

-120HH Have been resettled to Ndeja (Follow up with Protection + Wash teams)

301HH TARPS NEEDED

NHAMATANDA

MANICA	Sussundenga	Maquina	270
		EP1 Muawa	93
		04 Outubro (living construction company)	89
		Nhamississua (in the resettlement site)	51
		Total Manica Province	503

CCCM UPDATE:

- EPI Muawa- families will be integrated into the existing Muawa resettlement site, demarcation has been done for 95 plots, assigned to families but they are pending shelter support and some are trying to find materials locally.
- Maquina- the resettlement site has been established at this site, demarcation finalized, 270 plots allocated to families. Partly have shelters built with local materials and about 20 families are still in INGD tents.
- 4 Outubro - an area has been identified to resettle these families but not yet approved by the government.
- Nhamississua- these families will be integrated into the existing resettlement site of Nhamississua, demarcation already finalized but no shelters yet built.

MANICA

503HH SHELTER KITS NEEDED

4

NHAMATANDA SITUATION

PHASE 1: 301 Families from John Segredo (TARPS, BLANKETS, KITCHEN SETS)- 301 HH

PHASE 2: Other families who were returned to their homes in risk areas

PLOTS ALREADY MARKED OUT FOR 1000 + ADDITIONAL FAMILIES

Nhamatanda Distrct- Sofala Province

- 301 HHs are also waiting to be deactivated at Jonh Sgreedo accommodation centers. Food, Security, Wash, Health, and CCCM provide them with regular assistance.
- CCCM and Wash went to Metuxira to explore relocation opportunities.
- CCCM and Wash, as well as the INGD focal point and the Nhamatanda SDPI, have already identified communal latrines.
- Nhamatanda Government is also searching for Muda and Njanje Sites, with the help of CCCM, to provide the HHs more choices.
- With the help of the CCCM, 808 plots in Metuxira and 202 in Chadeia have already been marked out (Njanje 1), Muda Sede 318 plots.
- The Nhamatanda Government's efforts to relocate the Jonh Segredo HHs as well as other HHs from high-risk areas to new locations.

ACTIVE PARTNERS RESPONDING TO ELOISE – OCHA UPDATES

https://docs.google.com/spreadsheets/d/1ppDKCpMj6FApCChj5u_jVM-reLfOhyReantyTrpG64g/edit#gid=523752598

ORGANIZATION	SUPPORT	RESTORING DOMESTIC ACTIVITIES	RESTORING SHELTER ENCLOSURE	LOCATION	RESOURCE MOBILIZATION
CVM/ IFRC		NFIs for 120 HH (Nhamatanda) ; 525 NFI Kits (MACHANGA)	1500 Shelter kits (BUZI); 525 Shelter Kits (MACHANGA); Shelter Kits 120HH(Nhamatanda)		DREF APPEAL FOR RECOVERY ONGOING
CARE		1275 NFI kits (Guara Guara)	1200 shelter kits excl. toolkits (Guara Guara)		
Food for Hungry		Kitchen Sets: 1000HH; 80 Mutua; 920 GG	Shelter kits: 1000HH (Guara Guara)		Some left over from Guara Guara- TBC
Good Neighbours		568HH NFIs for Nhamatanda			
IOM	<i>Transport of UNHCR tarps and distribution coordination with other partners</i>		3000HH; 8 CGI sheets, umbrella nails, minimum kits (hammer, tin, snip, cerrote): South Buzi and Manica; 12000 Tarps (6000HH) International Procurement		CERF APPEAL UNSUCCESSFUL
Tzu Chi Foundation			2710 Toolkits (Guara Guara); 479 HH Nhamatanda		
DORCAS					PROPOSAL ONGOING (RECOVERY)
Solidar Suisse					PROPOSAL ONGOING (RECOVERY)
CEDES		3500 Kitchen Sets Donation to INGD			
HELPAGE					PROPOSAL ONGOING (RECOVERY)
Save The Children			420 Toolkits (Bopira and Mussinemue)		
WVI		1 tarp Shelter kits (Susssendenga, Gondola, Buzi, Nhamatanda)			
UNHCR		1300 Tarps (650HH) Donated to IOM- 1160 Delivered to GG			

Provisional Schedule of Partner Presentations:

PARTNER	DATE
UnHabitat	6.4.21
GREPOC- PALPOC Update	PENDING
DORCAS	13.4.21
IFRC	13.4.21
IOM	13.4.21
Young Africa	20.4.21

DISCUSSION BETWEEN PARTNERS 06.04.21-POINTS RAISED

DISCUSSION POINTS RAISED:

- Suggestions from partners to discuss technically the merits of traditional material and local techniques for building as an option also, given the context and the expertise locally
- GREPOC direction requested by partners on this topic so all partners are clear about permissibility and resilience measures required, if traditional materials are to be used
- It was noted that resilience should not be intrinsically linked to the material alone but to how the material is used, the additional resilience measures used, the construction techniques, and the quality of the material and workmanship
- Importance of ensuring DUATs are in place before construction discussed and Partners advised to discuss this from the very conception of the project with local government and SDPI.

UPDATES-IDAI DEVELOPMENT PROJECTS:

- UNDP** gave an overview of ongoing projects as follows:
 - House Construction Ongoing in Sofala**
 - 40 Chivababa
 - 200 Mutua
 - 160 Mandruzi
 - 120 Savane
 - 250 Locations to be confirmed (*in 1 location or across 3 locations*)
 - 600 House Rehabilitations in Beira and Dondo**
 - Implemented through 15 NGO implementing partners
 - TO BE COMPLETED BY END OF MAY 2021**
- Planning for additional 250 houses ongoing (In next phase)

UN  **HABITAT**
FOR A BETTER URBAN FUTURE

*Uma melhor qualidade de vida para
todos em um mundo em urbanização*

Promovendo Recuperação Resiliente de Habitação e Infraestruturas comunitárias em áreas afectadas pelos ciclones

PROJECTO PILOTO – BOAS PRÁTICAS

Dinis Dinis

Oficial de Habitação e Planeamento Regional

dinis.dinis@un.org

28 Agosto 2020

UN HABITAT
FOR A BETTER URBAN FUTURE

Conteúdo da apresentação

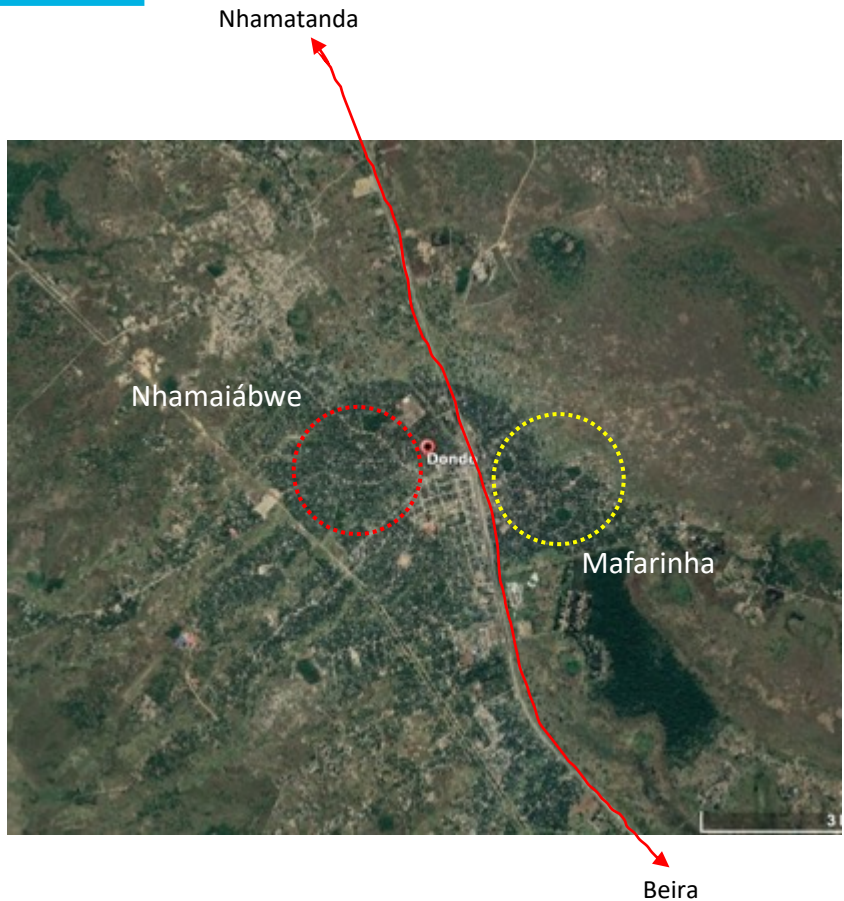
1. Enquadramento

- *Área de intervenção*
- *Seminários e reuniões técnicas*
- *Critérios para seleção dos beneficiários*
- *Objectos do projecto piloto*
- *Abordagem de implementação*

2. Projectos pilotos

3. Medidas de resiliência

Área de intervenção piloto



Seminários e reuniões técnicas

Foram realizados **seminários teóricos, treinamento prático e apresentações e discussões técnicas das abordagens, metodologia e modelos desenhados**, técnicas e matérias de construção resiliente usando materiais locais, mistos e convencionais.

Grupo alvo: artesãos e construtores locais, autoridades do governo nacional, distrital e local, academia e parceiros de cooperação e a comunidade local.



Critérios para selecção dos beneficiários

1.
Condição socioeconómica

2.
localização

3.
Uso da parcela

4.
Condição para atribuição DUAT

5.
Condição estrutural da casa

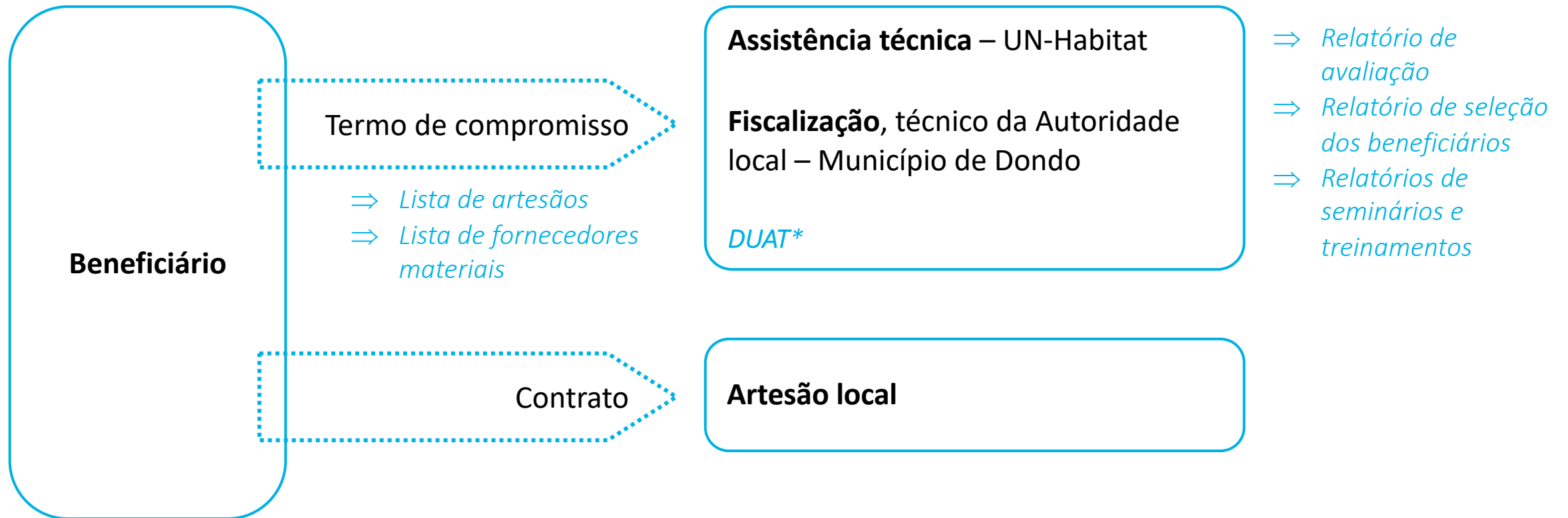


Objectos do projecto piloto

1. *Reabilitação resiliente parcial de uma casa (ciclones) – Nhamaiábwe, Dondo.*
2. *Reforço estrutural de uma casa (ciclones) – Nhamaiábwe, Dondo.*
3. *Construção de Casa Resiliente T0 Modelo evolutivo adaptado a ciclones e cheias – Nhamaiábwe, Dondo.*
4. *Reabilitação resiliente de um edifício comunitário (ciclones) – Munhava, Beira*



Abordagem de implementação



Teste de mecanismos de implementação de projectos habitacionais alinhados com o PALPOC.

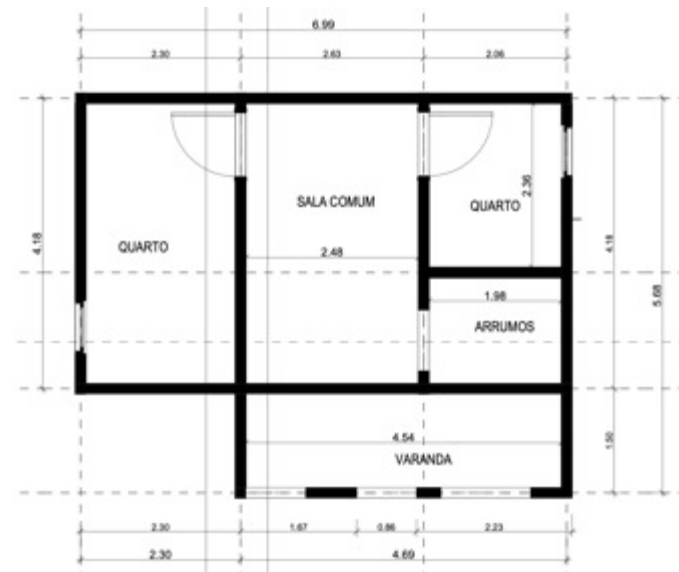
Piloto 1 – reabilitação de habitação



Piloto 1 – reabilitação de habitação

T2+ arrumos + varanda

Área da casa	38 m ²
Preliminares	14,500.00
Estrutura	20,923.00
Cobertura	87,036.92
Custos parciais	
Revestimento e paredes	12,391.00
Pintura	8,500.00
Caixilharia	12,000.00
Eletricidade	4,250.00
Mão-de-obra	41,950.00
Custo total (MT)	201,550.92



Piloto 1 – reabilitação de habitação



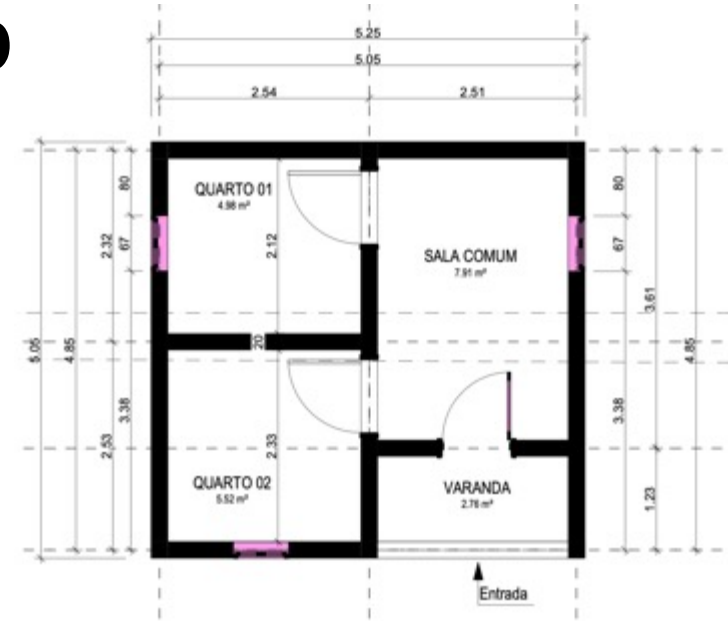
Piloto 2 – reforço de habitação



Piloto 2 – reforço de habitação

T2+ varanda

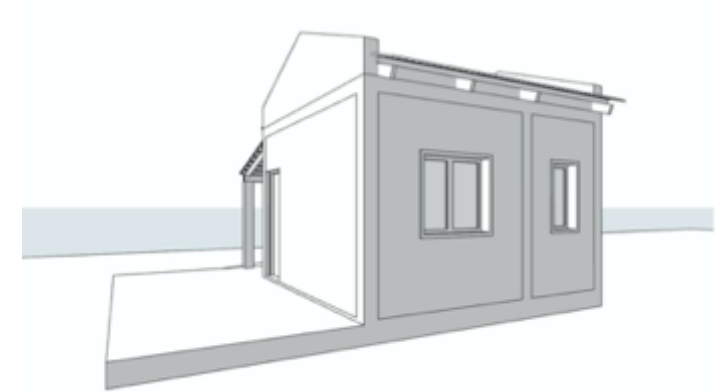
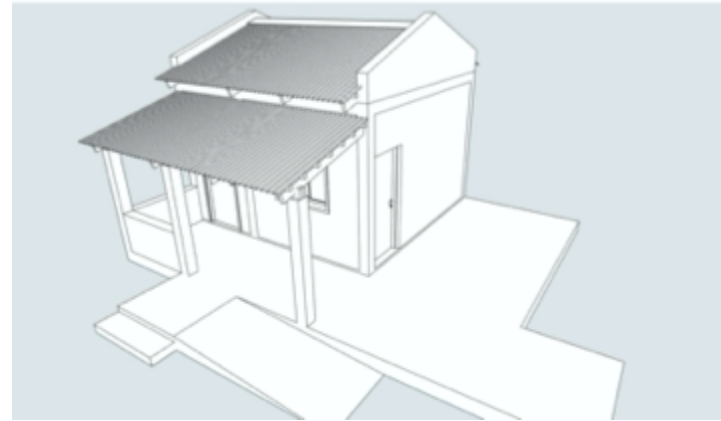
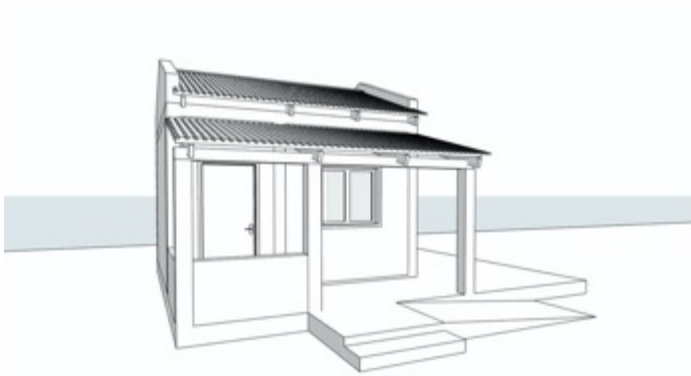
Área da casa	27 m²
Preliminares	9,500.00
Estrutura	3,046.00
Cobertura	42,701.00
Custos parciais	
Revestimento e paredes	8,099.00
Pintura	11,000.00
Caixilharia	10,500.00
Eletricidade	3,350.00
Mão-de-obra	37,550
Custo total (MT)	125,746.00



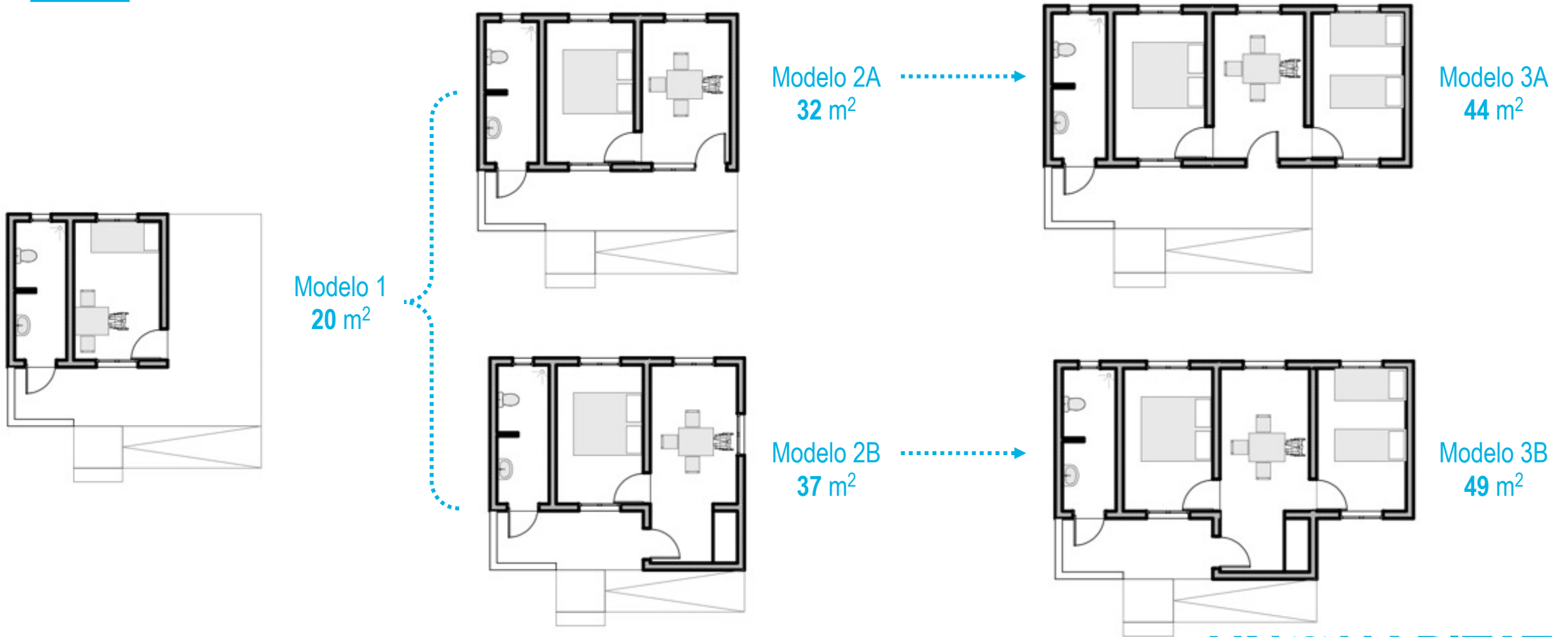
Piloto 2 – reforço de habitação



Piloto 3 – construção tipologia evolutiva



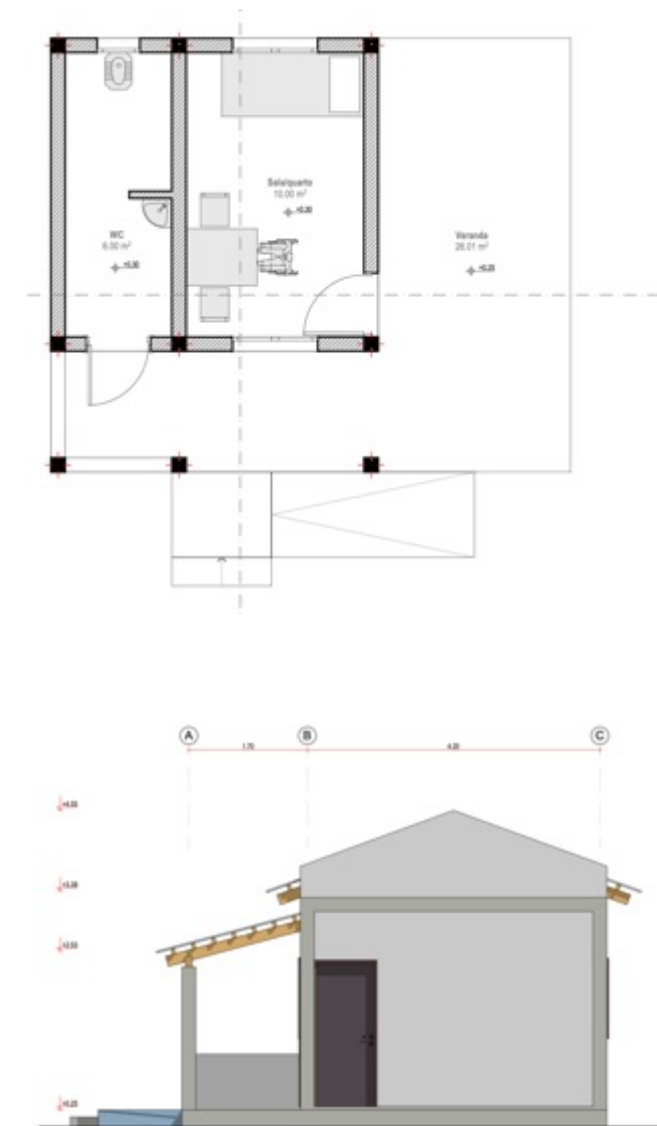
Piloto 3 – construção tipologia evolutiva



Piloto 3

T0+ Evolutiva

Área da casa		20 m²
Custos parciais (FASES)	FASE 1- caixa pavimento	74,241.00
	FASE 2 – parede, estrutura e superestrutura	66,275.00
	FASE 3 – estrutura de cobertura e cobertura	44,038.00
	FASE 4 – Acabamentos (pintura, caixilharia, eletricidade, canalização e esgoto)	91,635.00
Mão-de-obra		77,725.00
Custo total (MT)		353,914.00



Piloto 3 – construção tipologia evolutiva



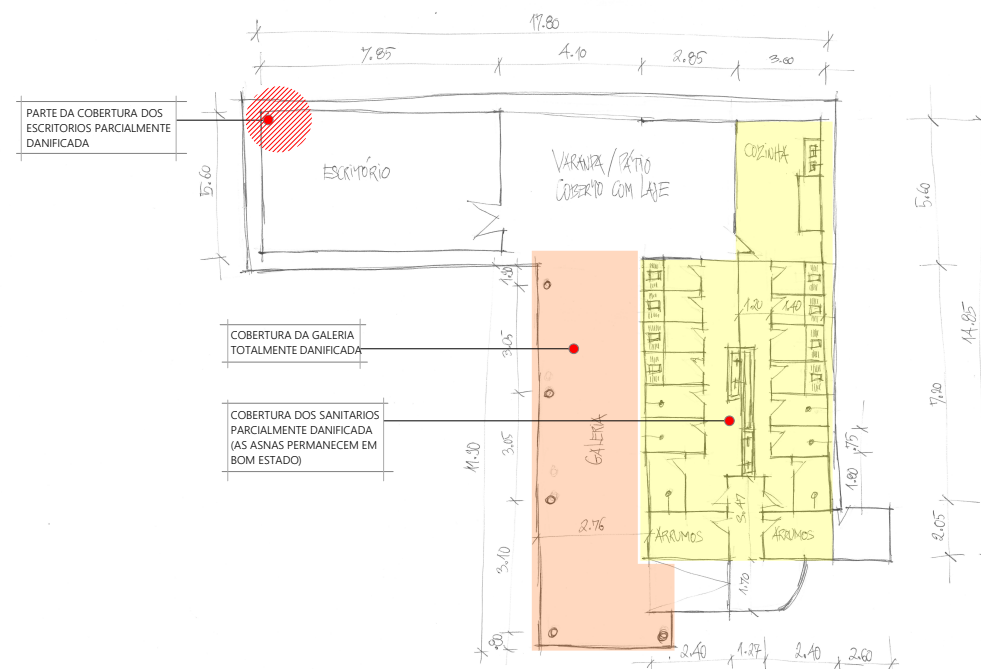
Piloto 4 – reabilitação/reforço centro comunitário



Piloto 4 – reabilitação/reforço centro comunitário

Sanitários + Arrumos + Cozinha+ Sala de eventos

Área da casa	27 m ²
Preliminares	N/A
Estrutura e Cobertura	188,182.92
Pintura geral	81,637.00
Caixilharia e diversos	56,014.00
Canalização	82,707.00
Serralharia	32,521.00
Eletricidade	73,137.00
Mão-de-obra	N/A
Custo total (MT)	514,198.95



Piloto 4 – reabilitação/reforço centro comunitário

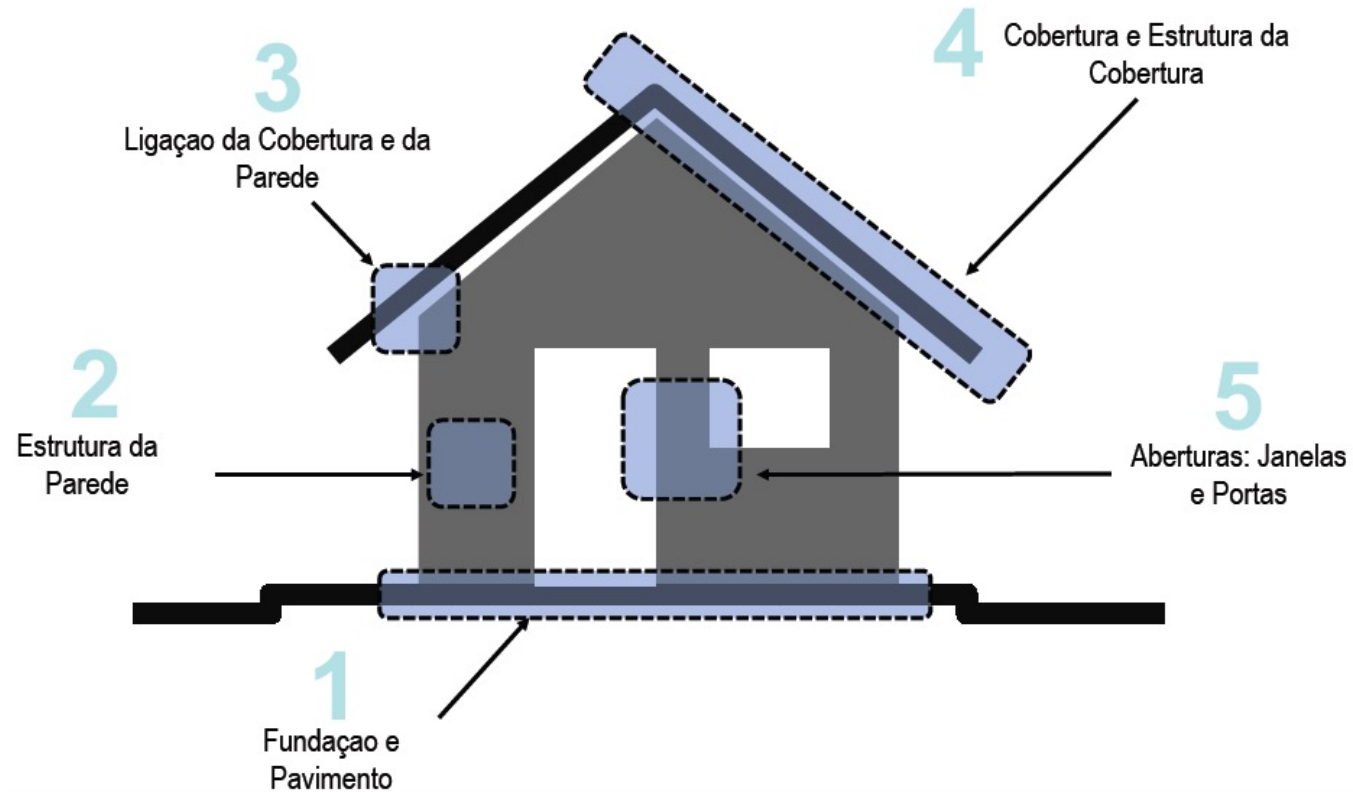


Medidas de resiliência



Adequar e simplificar as soluções construtivas aos assentamentos expostos às ameaças naturais através de uma abordagem participativa e didática utilizando recursos e técnicas construtivas disponíveis localmente.

Medidas de resiliência



Medidas de resiliência

3 **princípios técnicos fundamentais** para tornar as casas mais resilientes:

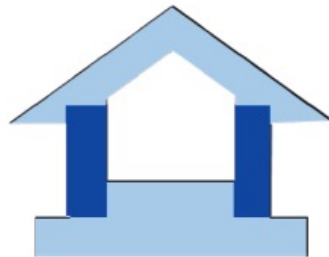
1.

CONFIGURAÇÃO
simples e simétrica



2.

CONEXÕES
estruturais fortes

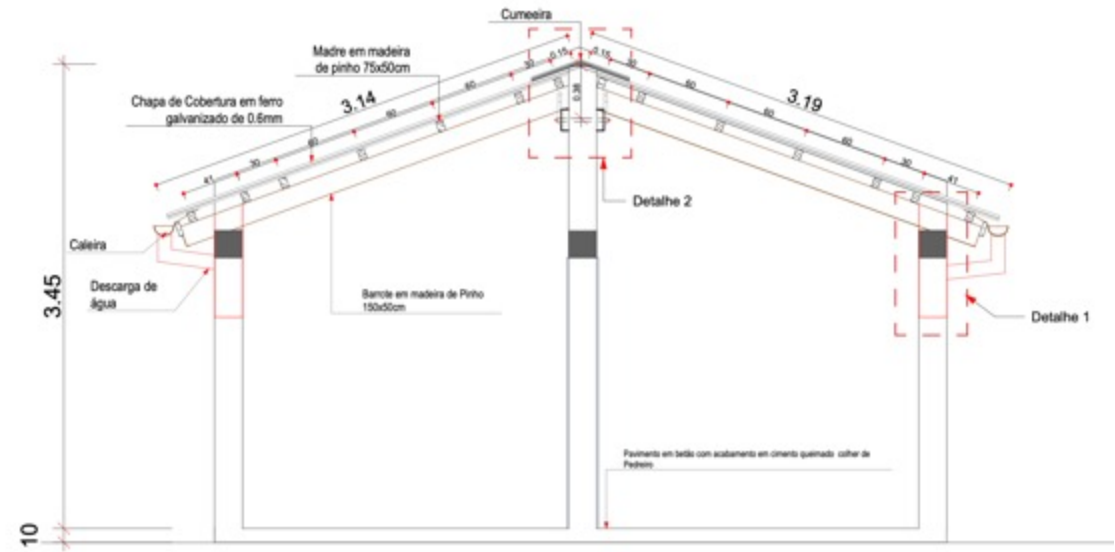
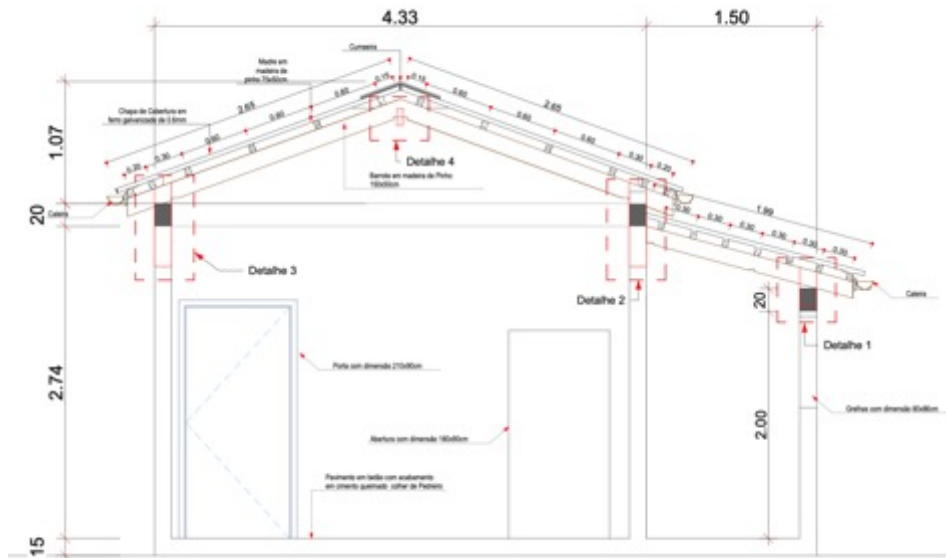


3.

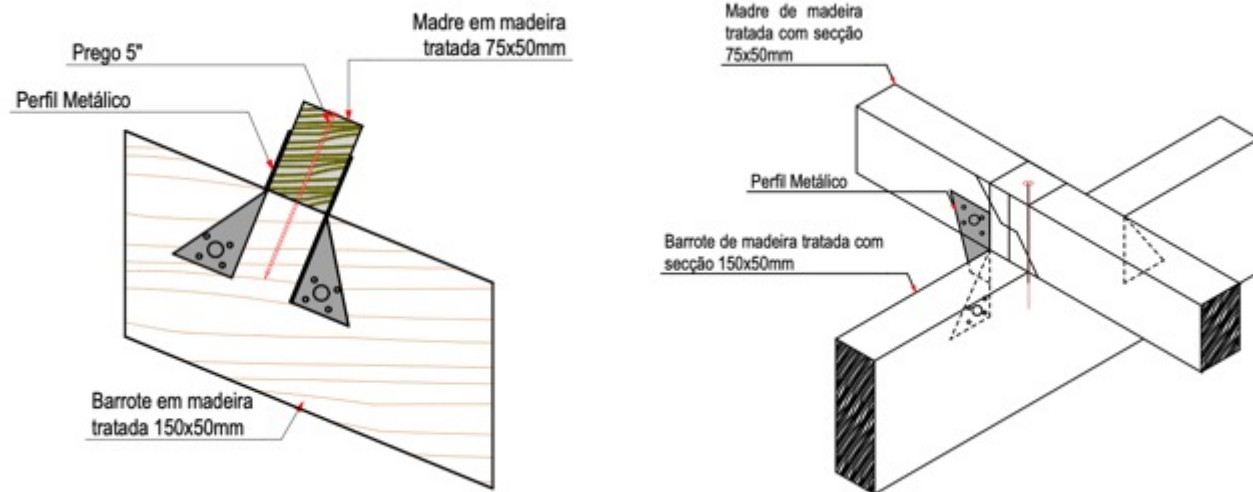
MATERIAIS de construção
de boa qualidade



Algumas medidas de resiliência aplicadas

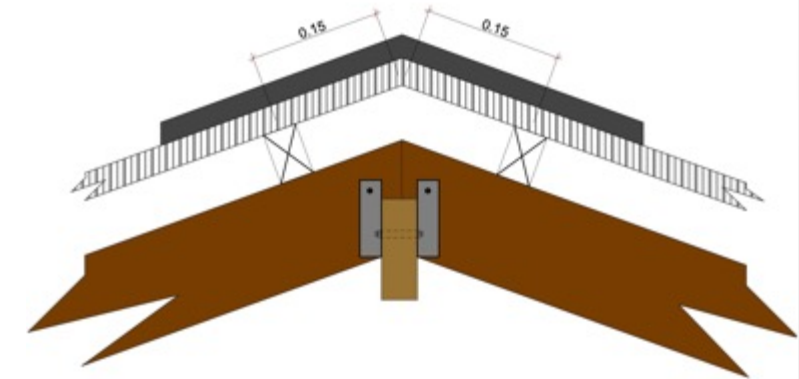
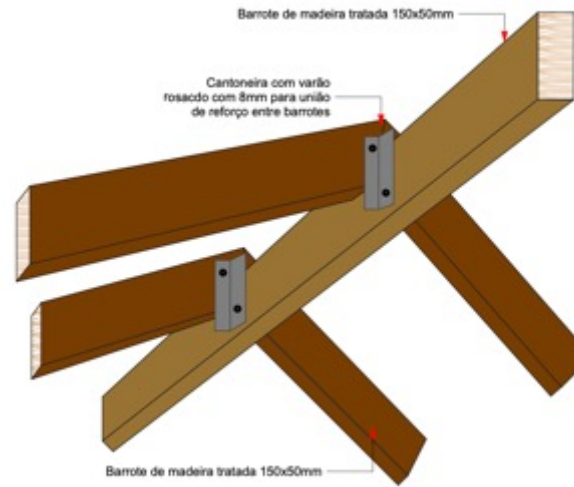
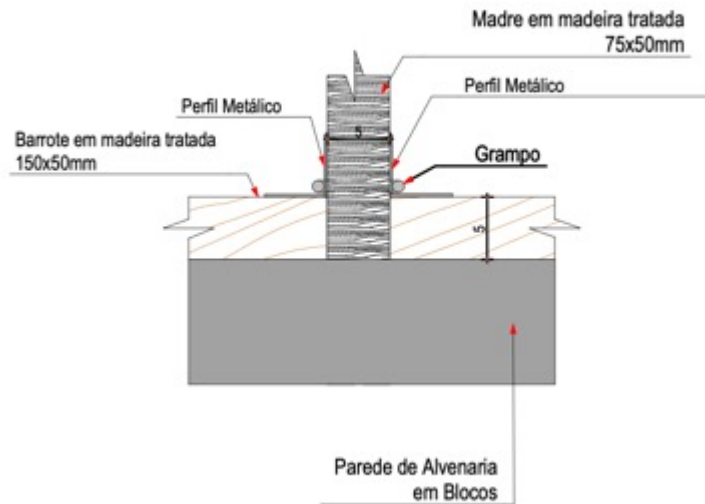


Algumas medidas de resiliência aplicadas



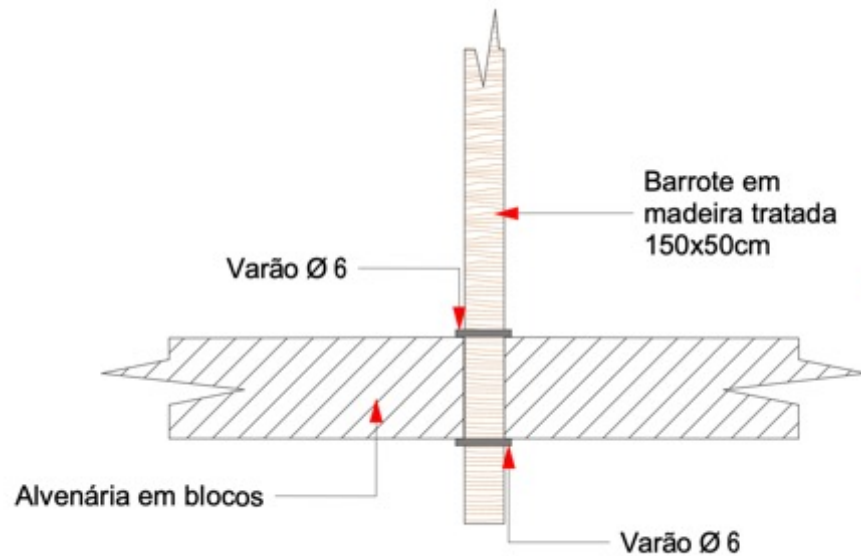
Aplicação de *hurricane-clip*

Algumas medidas de resiliência aplicadas



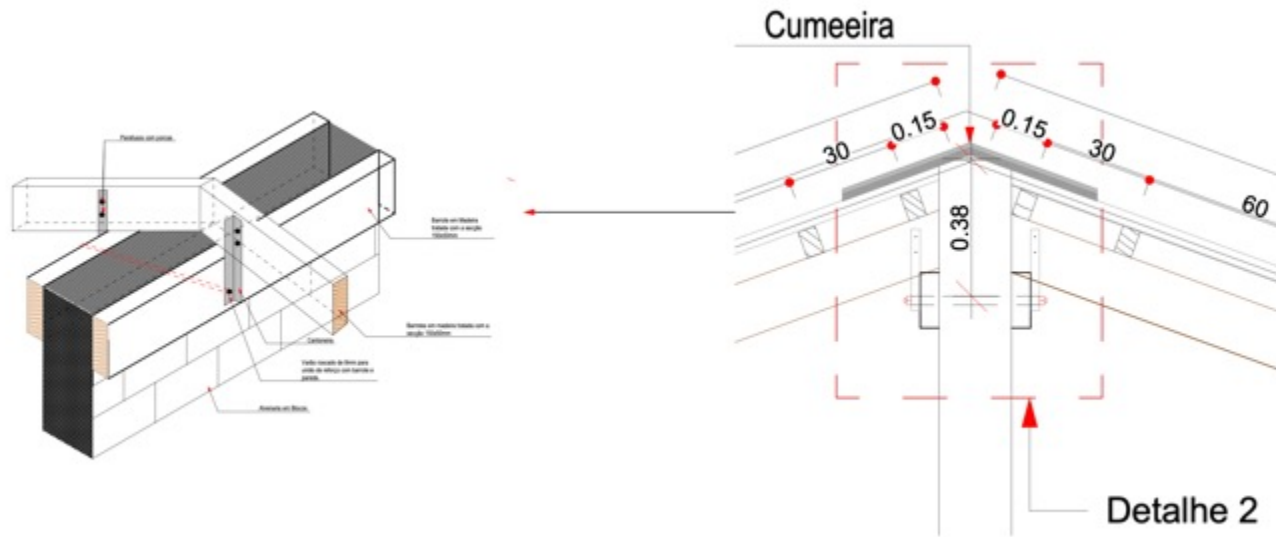
Aplicação de cantoneiras

Algumas medidas de resiliência aplicadas



Ligação da estrutura de cobertura e alvenaria

Algumas medidas de resiliência aplicadas



Reforço da estrutura de cobertura





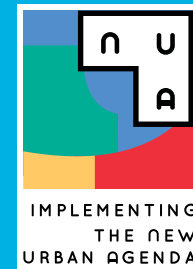


Obrigado



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