

## INSPECTION FORM FOR HOUSES in MALAWI

Town <input type="text"/>	form <input type="text"/>	Block # <input type="text"/>	Type of use <input type="text"/>	Date <input type="text"/>
Address <input type="text"/>		Building # <input type="text"/>		Surveyor <input type="text"/>

### 1 URBAN DATA RELIABILITY

1-1 Block access and escape routes <input type="text"/>	1-2 Number of buildings in the block <input type="text"/>
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### 2 GEOMETRIC CHARACTERISTICS OF THE FAÇADE (excluding vertical additions) RELIABILITY

2-1 Façade orientation <input type="text"/>	2-4 Total height of the façade (m) <input type="text"/>
2-2 Façade position <input type="text"/>	2-5 Presence of gable <input type="checkbox"/>
2-3 Length of the façade (m) <input type="text"/>	2-6 Gable wall height (if present) (m) <input type="text"/>

### 3 GEOMETRIC CHARACTERISTICS OF OPENINGS RELIABILITY

storey	3-1 # of openings	3-2 width (w) and height (h) opening	3-4 Edge piers	
	opening	1 2 3 4 5 6	l r	
1	w (m)	<input type="text"/>	3-5 Average height of upper horizontal spandrel (m)	<input type="text"/>
	h (m)	<input type="text"/>	3-6 Prevalent Lintels for each floor of the Façade	type length material
	3-3 Opening layout	<input type="text"/>		<input type="text"/>

### 4 PLAN GEOMETRIC CHARACTERISTICS RELIABILITY

4-1 Thickness at basis of facade wall <input type="text"/>	4-3 # int. structural walls // to the facade <input type="text"/>
4-2 # int. structural walls perp. to facade <input type="text"/>	4-4 Total length perp. to the façade (m) <input type="text"/>
	4-5 # int. walls perp. to back facade <input type="text"/>

### 5 STRUCTURAL CHARACTERISTICS RELIABILITY

5-1 Roof structure typology <input type="text"/>	5-6 Maintenance level of masonry <input type="text"/>
5-2 Direction of roof <input type="text"/>	5-7 Maintenance level of mortar <input type="text"/>
5-3 Masonry type <input type="text"/>	5-8 Connection at edges <input type="text"/>
5-4 Mortar type <input type="text"/>	5-9 Out of verticality <input type="text"/>
5-5 Average size of units l*h*s <input type="text"/>	5-12 Façade restraining elements
5-10 Level of connection in the thickness <input type="text"/>	wall plates <input type="text"/>
5-11 Retaining wall type and extension <input type="text"/>	timber/concrete band-ring beams <input type="text"/>
	buttresses/quoins <input type="text"/>

### 6 FUTHER VULNERABILITY ELEMENTS RELIABILITY

6-1 Roof overhanging <input type="text"/>	6.2 Settlement <input type="text"/>
	6.3 Portico <input type="text"/>

### 7 DAMAGE LEVEL AND MECHANISMS IDENTIFICATIONS RELIABILITY

7-1 Crack pattern description on per storey

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**PIERS**

storey 1	1	2	3	4	5	6	7	
	damage type	level	type	level	type	level	type	level

**SPANDRELS**

storey 1	1	2	3	4	5	6
	damage type	level	type	level	type	level
below opening 0	1	2	3	4	5	6
	damage type	level	type	level	type	level

7-2 Failure Modes

Type	Extension	Damage level	Type	Extension	Damage level
A	<input type="text"/>	<input type="text"/>	E2	<input type="text"/>	<input type="text"/>
B1	<input type="text"/>	<input type="text"/>	F	<input type="text"/>	<input type="text"/>
B2	<input type="text"/>	<input type="text"/>	G	<input type="text"/>	<input type="text"/>
C1	<input type="text"/>	<input type="text"/>	H1	<input type="text"/>	<input type="text"/>
C2	<input type="text"/>	<input type="text"/>	H2	<input type="text"/>	<input type="text"/>
D1	<input type="text"/>	<input type="text"/>	L	<input type="text"/>	<input type="text"/>
D2	<input type="text"/>	<input type="text"/>	M	<input type="text"/>	<input type="text"/>
E1	<input type="text"/>	<input type="text"/>			

Pictures numbers

Notes

7-3 Roof collapse  Sagging Roof

