

GEM Building Taxonomy Report

Hart_BuildingTypology

Tim Hart

Picture not available

Taxonomy string:

DX+PF /MCF+CLBRS+MOC /LWAL /DY+OF /MCF+CLBRS+MOC /LWAL / /HEX:1+HBEX:1+HFEX:3+HD:Flat /RES+RES1 /BPD /PLFR /IRRE /EWMA /RSH2+RMT6+RWO+RWO1+RWCP /FN /FOSN

Material type (direction 1):

Masonry, confined

Material technology (direction 1):

Fired clay solid bricks

Material properties (direction 1):

Cement mortar

Material technology (additional, direction 1):

Lateral load-resisting system (direction 1):

Wall

System ductility (direction 1):

Ductility unknown

Material type (direction 2):

Masonry, confined

Material technology (direction 2):

Fired clay solid bricks

Material properties (direction 2):

Cement mortar

Material technology (additional, direction 2):

Lateral load-resisting system (direction 2):

Wall

System ductility (direction 2):

Ductility unknown

Foundations:

Shallow foundation, with no lateral capacity

Plan shape:

Rectangular, solid

Type of Irregularity:

Regular structure

Building position within a block:

Detached building

Plan structural irregularity - primary:

Vertical structural irregularity - primary:

Plan structural irregularity - secondary:

Vertical structural irregularity - secondary:

Roof shape:

Pitched with gable ends

Roof covering:

Metal sheets

Roof system material:

Wood

Roof system type:

Wooden beams/trusses and purlins with light roof

Roof connections:

Roof-wall diaphragm connection present

Floor system material:

No elevated or suspended floor material (single-storey)

Floor system type:

Floor connections:

Floor-wall diaphragm connection, unknown

Exterior walls material:

Masonry

Date of construction:

Year unknown

Number of storeys above the ground:

Exact number of storeys 1

Number of storeys below the ground:

Exact number of storeys 1

Height of the grade above ground floor:

Exact height above grade 3

Slope of the ground (for buildings on slopes):

Slope of the ground Flat

Occupancy type - general:

Residential

Occupancy type - detail:

Single dwelling

Country:

Indonesia

Region (province, state, etc.):

Aceh Province

Summary:

A typical residential building built prior to the 2004 earthquake.