

# GEM Building Taxonomy Report

House along a drainage creek  
NED University



## Taxonomy string:

DX /MUR+CBS+MOC /LWAL /DY /MUR+CBS+MOC /LWAL / /HEX:1+HBEX:0 /RES+RES1 /BP1 /PLFL /IRIR+IRPP:REC /EWMA /RSH5+RMT6+RME+RME1+RWCN /FN /

## Material type (direction 1):

Masonry, unreinforced

## Material properties (direction 1):

Cement mortar

## Lateral load-resisting system (direction 1):

Wall

## Material type (direction 2):

Masonry, unreinforced

## Material properties (direction 2):

Cement mortar

## Lateral load-resisting system (direction 2):

Wall

## Foundations:

Unknown foundation system

## Type of Irregularity:

Irregular structure

## Plan structural irregularity - primary:

Re-entrant corner

## Plan structural irregularity - secondary:

No irregularity

## Roof shape:

Monopitch

## Roof system material:

Metal

## Roof connections:

Roof-wall diaphragm connection not provided

## Floor system material:

No elevated or suspended floor material (single-storey)

## 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

## Height of the grade above ground floor:

Height above grade unknown

## Occupancy type - general:

Residential

## Country:

Pakistan

## Summary:

## Material technology (direction 1):

Concrete blocks, solid

## Material technology (additional, direction 1):

## System ductility (direction 1):

Ductility unknown

## Material technology (direction 2):

Concrete blocks, solid

## Material technology (additional, direction 2):

## System ductility (direction 2):

Ductility unknown

## Plan shape:

L-shape

## Building position within a block:

One adjacent building

## Vertical structural irregularity - primary:

No irregularity

## Vertical structural irregularity - secondary:

## Roof covering:

Metal sheets

## Roof system type:

Metal beams or trusses supporting light roofing

## Floor system type:

## Number of storeys below the ground:

Exact number of storeys

0

## Slope of the ground (for buildings on slopes):

Unknown slope

## Occupancy type - detail:

Single dwelling

## Region (province, state, etc.):

Along Orangi River, Karachi

Illegal encroachment along creek - starts off as temporary settlements consisting of rudimentary shacks but eventually builds up into solid, more permanent structures built of a variety of salvaged materials.