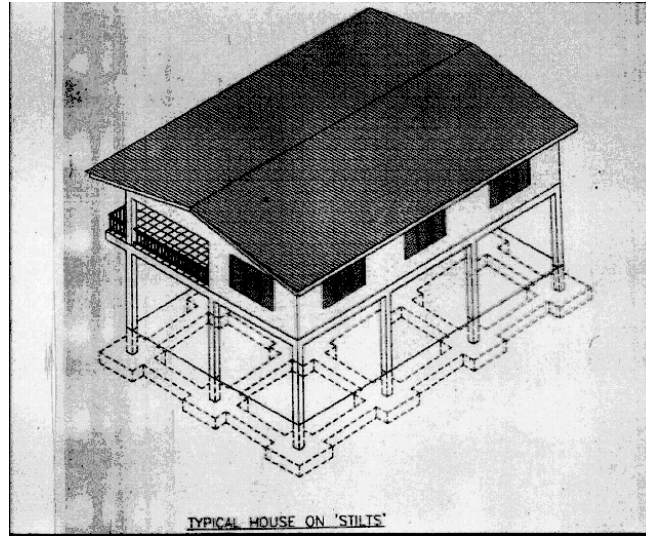


# GEM Building Taxonomy Report

## Typical Low Cost House

Anthony Farrell



### Taxonomy string:

DX /C99 /LFM+DNO /DY /C99 /LFM+DNO //HEX:2+HBEX:0 /RES+RES1 //PLFRO /IRIR+IRVP:SOS /EWMA /RSH2+RMT6+RWO+RWO1 /FC+FC2 /FOSN

### Material type (direction 1):

Concrete, unknown reinforcement

### Material properties (direction 1):

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

Moment frame

### Material type (direction 2):

Concrete, unknown reinforcement

### Material properties (direction 2):

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

Moment frame

### Foundations:

Shallow foundation, with no lateral capacity

### Type of Irregularity:

Irregular structure

### Plan structural irregularity - primary:

No irregularity

### Plan structural irregularity - secondary:

Soft storey

### Roof shape:

Pitched with gable ends

### Roof system material:

Wood

### Roof connections:

Roof-wall diaphragm connection unknown

### Floor system material:

Concrete

### 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

2

### Height of the grade above ground floor:

Height above grade unknown

### Occupancy type - general:

Residential

### Country:

Trinidad and Tobago

### Summary:

### Material technology (direction 1):

Unknown concrete technology

### Material technology (additional, direction 1):

### System ductility (direction 1):

Non-ductile

### Material technology (direction 2):

Unknown concrete technology

### Material technology (additional, direction 2):

### System ductility (direction 2):

Non-ductile

### Plan shape:

Rectangular, with an opening

### Building position within a block:

Unknown building position

### Vertical structural irregularity - primary:

### Vertical structural irregularity - secondary:

No irregularity

### Roof covering:

Metal sheets

### Roof system type:

Wooden beams/trusses and purlins with light roof

### Floor system type:

Cast-in-place beam-supported RC floor

### 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.):

Many areas in Trinidad

Typical low cost house in areas outside main cities