

GEM Building Taxonomy Report

A single-family, two-storey house with brick walls and timber floors

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Taxonomy string:

DX /MUR+CLBRS+MOM /LWAL /DY /MUR+CLBRS+MOM /LWAL /YAPP:1930 /HEX:2+HBEX:1+HFAPP:7+HD:0 /RES+RES1 /BP1 /PLFR /IRRE /EWMA /RSH5+RMT1+RWO+RWO2 /FW+FW1 /

Material type (direction 1):

Masonry, unreinforced

Material technology (direction 1):

Fired clay solid bricks

Material properties (direction 1):

Mud mortar

Material technology (additional, direction 1):

Lateral load-resisting system (direction 1):

Wall

System ductility (direction 1):

Ductility unknown

Material type (direction 2):

Masonry, unreinforced

Material technology (direction 2):

Fired clay solid bricks

Material properties (direction 2):

Mud mortar

Material technology (additional, direction 2):

Lateral load-resisting system (direction 2):

Wall

System ductility (direction 2):

Ductility unknown

Foundations:

Unknown foundation system

Plan shape:

Rectangular, solid

Type of Irregularity:

Regular structure

Building position within a block:

One adjacent building

Plan structural irregularity - primary:

Vertical structural irregularity - primary:

Plan structural irregularity - secondary:

Vertical structural irregularity - secondary:

Roof shape:

Monopitch

Roof covering:

Tile (clay, concrete)

Roof system material:

Wood

Roof system type:

Wooden roof structure supporting a heavy flat or domed roof

Roof connections:

Roof-wall diaphragm connection unknown

Floor system material:

Wood

Floor system type:

Wood beams/trusses & joists supporting light flooring

Floor connections:

Floor-wall diaphragm connection, unknown

Exterior walls material:

Masonry

Date of construction:

Approximate date of construction or retrofit 1930

Number of storeys above the ground:

Exact number of storeys 2

Number of storeys below the ground:

Exact number of storeys 1

Height of the grade above ground floor:

Approximate grade height 7

Slope of the ground (for buildings on slopes):

Slope of the ground 0

Occupancy type - general:

Residential

Occupancy type - detail:

Single dwelling

Country:

Romania

Region:

Bucharest

Observations:

This type of urban housing was constructed in the 1930s as single-family housing for the middle class. A great variety of buildings exist of this structural type: load-bearing walls with mud mortar and a floor structure of timber planks and joists. They usually performed well in earthquakes.