

GEM Building Taxonomy Report

One family one storey house, also called “wagon house”

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Taxonomy string:

DX /MUR+CLBRS+MOL /LWAL /DY /MUR+CLBRS+MOL /LWAL /YBET:1880,1920 /HEX:1+HBEX:1+HFAPP:3.6+HD:0 /RES+RES1 /BP1 /PLFR /IRRE /EWMA /RSH5+RMT1+RWO+RWO2 /FW+FW1 /FOSN

Material type (direction 1):

Masonry, unreinforced

Material technology (direction 1):

Fired clay solid bricks

Material properties (direction 1):

Lime 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):

Lime 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:

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:

Bounds for the date of construction or retro 1880-1920

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:

Approximate grade height 3.6

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 is one of the oldest housing types in Romania with a statistically significant number of buildings in existence. It is a middle-class family house constructed from the end of the 19th century until WWII. The single-unit houses were designed semidetached. The load-bearing system consists of two longitudinal walls and one transversal.