

GEM Building Taxonomy Report

Multistorey masonry building

Maria BOSTENARU DAN



Taxonomy string:

DX /M99+CLBRS /LWAL /DY /M99+CLBRS /LWAL /YAPP:1920 /HAPP:4+HD:0 /RES+RES2C /BPI /PLFR /IRRE /EWMA /RSH5+RMT1+RWO+RWO2 /FME+FME1 /

Material type (direction 1):

Masonry, unknown reinforcement

Material technology (direction 1):

Fired clay solid bricks

Material properties (direction 1):

Mortar type, unknown

Material technology (additional, direction 1):

Lateral load-resisting system (direction 1):

Wall

System ductility (direction 1):

Ductility unknown

Material type (direction 2):

Masonry, unknown reinforcement

Material technology (direction 2):

Fired clay solid bricks

Material properties (direction 2):

Mortar type, unknown

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:

Interior of block

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:

Metal

Floor system type:

Metal beams, trusses or joists supporting light flooring

Floor connections:

Floor-wall diaphragm connection, unknown

Exterior walls material:

Masonry

Date of construction:

Approximate date of construction or retrofit 1920

Number of storeys above the ground:

Approximate number of storeys 4

Number of storeys below the ground:

Unknown number of storeys

Height of the grade above ground floor:

Unknown grade height

Slope of the ground (for buildings on slopes):

Slope of the ground 0

Occupancy type - general:

Residential

Occupancy type - detail:

5-9 Units

Country:

Romania

Region:

Bucharest

Observations:

This type of building constituted the first middle rise multifamily house in the capital of Romania. The vertical system is of masonry walls, while the horizontal one is out of metal joists supporting also solid clay brick floors.