

# GEM Building Taxonomy Report

Early RC frame condominium building with masonry infill walls designed for gravity loads only

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## Taxonomy string:

DX /CR+CIP /LFINF /DY /CR+CIP /LFINF /YBET:1920,1940 /HBET:5,11+HBBET:1,2+HFAPP:3m+HD:0 /RES+RES2E /BPC /PLFI  
/IRIR+IRPP-IRHO+IRVP-SET+IRVS-SOS /EWMA /RSH1+RMT1+RC+RC2 /FC+FC2 /FOSDN

### Material type (direction 1):

Concrete, reinforced

### Material technology (direction 1):

Cast-in-place concrete

### Material properties (direction 1):

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

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

Infilled frame

### System ductility (direction 1):

Ductility unknown

### Material type (direction 2):

Concrete, reinforced

### Material technology (direction 2):

Cast-in-place concrete

### Material properties (direction 2):

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

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

Infilled frame

### System ductility (direction 2):

Ductility unknown

### Foundations:

Deep foundation, with no lateral capacity

### Plan shape:

Irregular

### Type of Irregularity:

Irregular structure

### Building position within a block:

Corner building

### Plan structural irregularity - primary:

Other horizontal irregularity

### Vertical structural irregularity - primary:

No irregularity

### Plan structural irregularity - secondary:

Setback

### Vertical structural irregularity - secondary:

Soft storey

### Roof shape:

Flat

### Roof covering:

Tile (clay, concrete)

### Roof system material:

Concrete

### Roof system type:

Cast-in-place beam-supported RC roof

### Roof connections:

Roof-wall diaphragm connection unknown

### Floor system type:

Cast-in-place beam-supported RC floor

### Floor system material:

Concrete

### Floor connections:

Floor-wall diaphragm connection, unknown

### Exterior walls material:

Masonry

### Date of construction:

Bounds for the date of construction or retro 1920-1940

### Number of storeys above the ground:

Range of the number of storeys 5-11

### Number of storeys below the ground:

Range of the number of storeys 1-2

### Height of the grade above ground floor:

Approximate grade height 3m

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

Slope of the ground 0

### Occupancy type - general:

Residential

### Occupancy type - detail:

20-49 Units

### Country:

Romania

### Region:

Europe

### Observations:

This urban housing construction was practiced mainly in the 1930s in Bucharest, Romania. The buildings are mid to high rise. There are several functional variations according to the usage and combination of flats, offices and shops. The number of housing units is variable.