

GEM Building Taxonomy Report

Medium/high rise moment resisting reinforced concrete frame building

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Taxonomy string:

DX /CR+CIP /LFM /DY /CR+CIP /LFM /YBET:1970,1990 /HBET:10,17+HBBET:1,2+HD:0 /RES+RES2E /BPI /PLFL /IRIR+IRVP-SOS /EWMA /RSH1+RC+RC2 /FC+FC2 /

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):

Moment 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):

Moment frame

System ductility (direction 2):

Ductility unknown

Foundations:

Unknown foundation system

Plan shape:

L-shape

Type of Irregularity:

Irregular structure

Building position within a block:

Interior of block

Plan structural irregularity - primary:

No irregularity

Vertical structural irregularity - primary:

Plan structural irregularity - secondary:

Soft storey

Vertical structural irregularity - secondary:

No irregularity

Roof shape:

Flat

Roof covering:

Unknown roof covering

Roof system material:

Concrete

Roof system type:

Cast-in-place beam-supported RC roof

Roof connections:

Roof-wall diaphragm connection unknown

Floor system material:

Concrete

Floor system type:

Cast-in-place beam-supported RC floor

Floor connections:

Floor-wall diaphragm connection, unknown

Exterior walls material:

Masonry

Date of construction:

Bounds for the date of construction or retro 1970-1990

Number of storeys above the ground:

Range of the number of storeys 10-17

Number of storeys below the ground:

Range of the number of storeys 1-2

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:

20-49 Units

Country:

Romania

Region:

Bucharest

Observations:

Such buildings have generally the ground floor used for commercial purposes, whilst the upper floors house residential units. When larger spans are encountered, walls may double the RC floors. Masonry infills of lightweight concrete provide architectural space delineation.