

GEM Building Taxonomy Report

RC buildings type 2.2

EMCA working group

Taxonomy string:

DX /CR+CIP /LDUAL+DNO /DY /CR+CIP /LDUAL+DNO /YBET:1987,2012 /HBET:7,25+HBBET:1,3+HFBET:1.2,2.0+HD:0 /RES+RES2F /BPD /PLFR /IRIR+IRVP:CHV /EWMA /RSH1+RMN+RC+RC2+RTDP /FC+FC2+FWCP /FOSDL

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):

Dual frame-wall system

System ductility (direction 1):

Non-ductile

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):

Dual frame-wall system

System ductility (direction 2):

Non-ductile

Foundations:

Deep foundation, with lateral capacity

Plan shape:

Rectangular, solid

Type of Irregularity:

Irregular structure

Building position within a block:

Detached building

Plan structural irregularity - primary:

No irregularity

Vertical structural irregularity - primary:

Plan structural irregularity - secondary:

Change in vertical structure

Vertical structural irregularity - secondary:

No irregularity

Roof shape:

Flat

Roof covering:

Concrete roof, no covering

Roof system material:

Concrete

Roof system type:

Cast-in-place beam-supported RC roof

Roof connections:

Roof tie-down present

Floor system material:

Concrete

Floor system type:

Cast-in-place beam-supported RC floor

Floor connections:

Floor-wall diaphragm connection present

Exterior walls material:

Masonry

Date of construction:

Bounds for the date of construction or retro 1987-2012

Number of storeys above the ground:

Range of the number of storeys 7-25

Number of storeys below the ground:

Range of the number of storeys 1-3

Height of the grade above ground floor:

Range of height above grade 1.2-2.0

Slope of the ground (for buildings on slopes):

Slope of the ground 0

Occupancy type - general:

Residential

Occupancy type - detail:

50+ Units

Country:

Unknown

Region (province, state, etc.):

Central Asia

Summary:

Individual designs.