

GEM Building Taxonomy Report

RC buildings type 2.4

EMCA working group

Taxonomy string:

DX /CR+CIP /LWAL+DNO /DY /CR+CIP /LWAL+DNO /YBET:1980,2012 /HBET:8,16+HBEX:1+HFBET:1,1.5+HD:0 /RES+RES2F /BPD /PLFR /IRIR+IRVP:SOS /EWC /RSH1+RMN+RC+RC3+RTDP /FC+FC3+FWCN /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):

Wall

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):

Wall

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:

Soft storey

Vertical structural irregularity - secondary:

No irregularity

Roof shape:

Flat

Roof covering:

Concrete roof, no covering

Roof system material:

Concrete

Roof system type:

Precast concrete roof with RC topping

Roof connections:

Roof tie-down present

Floor system material:

Concrete

Floor system type:

Precast concrete floor with RC topping

Floor connections:

Floor-wall diaphragm connection not provided

Exterior walls material:

Concrete

Date of construction:

Bounds for the date of construction or retro 1980-2012

Number of storeys above the ground:

Range of the number of storeys 8-16

Number of storeys below the ground:

Exact number of storeys 1

Height of the grade above ground floor:

Range of height above grade 1-1.5

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:

Type of foundation is not covered properly, needs to be extended for all types of buildings (e.g. concrete slab, concrete pile foundation, stripe foundation) Socket type (footing).

the taxonomy is not covering light concrete on the walls nor in the concrete blocks.