

GEM Building Taxonomy Report

PreCast building type 3.4

EMCA working group

Taxonomy string:

DX /CR+PC /LFLS+DUC /DY /CR+PC /LFLS+DUC /YBET:1966,1970 /HBET:6,7+HBEX:1+HFBET:1,1.5+HD:0 /RES+RES2E /BPD /PLFR /IRRE /EWC /RSH1+RMN+RC+RC3+RTDP /FC+FC3+FWCP /FOSDL

Material type (direction 1):

Concrete, reinforced

Material technology (direction 1):

Precast concrete

Material properties (direction 1):

Material technology (additional, direction 1):

Lateral load-resisting system (direction 1):

Flat slab/plate or waffle slab

System ductility (direction 1):

Ductile

Material type (direction 2):

Concrete, reinforced

Material technology (direction 2):

Precast concrete

Material properties (direction 2):

Material technology (additional, direction 2):

Lateral load-resisting system (direction 2):

Flat slab/plate or waffle slab

System ductility (direction 2):

Ductile

Foundations:

Deep foundation, with lateral capacity

Plan shape:

Rectangular, solid

Type of Irregularity:

Regular structure

Building position within a block:

Detached building

Plan structural irregularity - primary:

Vertical structural irregularity - primary:

Plan structural irregularity - secondary:

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 present

Exterior walls material:

Concrete

Date of construction:

Bounds for the date of construction or retro 1966-1970

Number of storeys above the ground:

Range of the number of storeys 6-7

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:

20-49 Units

Country:

Unknown

Region (province, state, etc.):

Central Asia

Summary:

Walls should be concrete large pannels not built within, hinged.

Floor should be precast hollow pannels wit two ends.