

GEM Building Taxonomy Report

Reinforced Concrete Buildings

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Picture not available

Taxonomy string:

DX+PF /CR+CIP /LFINF /DY+OF /CR+CIP /LFINF /YAPP:2009 /HEX:3+HBEX:0+HFBET:0.5m,1m /RES+RES2 /BPD /PLFRO /IRIR+IRVP:SOS+IRVS:SHC /EWMA /RSH1+RMN+RC+RC2+RWCP /FC+FC2 /FOSN

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:

Shallow foundation, with no lateral capacity

Plan shape:

Rectangular, with an opening

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:

Short column

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-wall diaphragm connection present

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:

Approximate date of construction or retrofit 2009

Number of storeys above the ground:

Exact number of storeys 3

Number of storeys below the ground:

Exact number of storeys 0

Height of the grade above ground floor:

Range of height above grade 0.5m-1m

Slope of the ground (for buildings on slopes):

Unknown slope

Occupancy type - general:

Residential

Occupancy type - detail:

Multi-unit, unknown type

Country:

Nepal

Region (province, state, etc.):

Bagmati

Summary:

This type of building is constructed for residential purposes.