

GEM Building Taxonomy Report

Building typology in Nepal
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Taxonomy string:

DX+PF /CR+CIP /LFINF+DNO /DY+OF /CR+CIP /LFINF+DNO /YEX:2012-09-09 /HEX:3+HBEX:0+HFEX:9+HD:0 /RES+RES2D /BP3 /PLFR /IRIR+IRPP:TOR+IRPS:IRHO+IRVP:SHC+IRVS:POP //RSH1+RMN+RC+RC2+RWCN /FC+FC2+FWCN /FOSSL

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):

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):

Infilled frame

System ductility (direction 2):

Non-ductile

Foundations:

Shallow foundation, with lateral capacity

Plan shape:

Rectangular, solid

Type of Irregularity:

Irregular structure

Building position within a block:

Three adjacent buildings

Plan structural irregularity - primary:

Torsion eccentricity

Vertical structural irregularity - primary:

Other horizontal irregularity

Plan structural irregularity - secondary:

Short column

Vertical structural irregularity - secondary:

Pounding potential

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 not provided

Floor system material:

Concrete

Floor system type:

Cast-in-place beam-supported RC floor

Floor connections:

Floor-wall diaphragm connection not provided

Exterior walls material:

Unknown material

Date of construction:

Exact date of construction or retrofit 2012-09-09

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:

Exact height above grade 9

Slope of the ground (for buildings on slopes):

Slope of the ground 0

Occupancy type - general:

Residential

Occupancy type - detail:

10-19 Units

Country:

Nepal

Region (province, state, etc.):

Kathmandu valley

Summary:

Adobe 4%

Stone 5%

Brick masonry 4%