

GEM Building Taxonomy Report

Pillar wala ghar (RC frame with masonry infill)

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Taxonomy string:

DX /CR+CIP /LFINF /DY /CR+CIP /LFINF //HAPP:1-10+HBAPP:1+HFAPP:3-30 /MIX+MIX1 /// /EWMA /RSH1+RMN+RC+RC2+RWCP /FC+FC2+FWCP /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):

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 lateral capacity

Plan shape:

Unknown plan shape

Type of Irregularity:

Unknown structural irregularity

Building position within a block:

Unknown building position

Plan structural irregularity - primary:

Vertical structural irregularity - primary:

Plan structural irregularity - secondary:

Vertical structural irregularity - secondary:

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 present

Exterior walls material:

Masonry

Date of construction:

Year unknown

Number of storeys above the ground:

Approximate number of storeys 1-10

Number of storeys below the ground:

Approximate number of storeys 1

Height of the grade above ground floor:

Approximate height above grade 3-30

Slope of the ground (for buildings on slopes):

Unknown slope

Occupancy type - general:

Mixed use

Occupancy type - detail:

Mostly residential and commercial

Country:

Nepal

Region (province, state, etc.):

Throughout Nepal

Summary:

Reinforced concrete frame building with brick infill walls, walls are not tied to the confining frame, RC floor/ roof slabs, monolithic construction, plan shape may vary depending upon land size or owner's preferences or occupancy, commonly used for commercial, public, residential, etc purpose, more common in urban areas. Mostly non-engineered.