

GEM Building Taxonomy Report

Open-Ground-Storey-RC-Frame-Building

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Taxonomy string:

DX+PF /CR+CIP /LFINF /DY+OF /CR+CIP /LFINF /YEX:2008 /HEX:4+HBEX:0+HFEX:0.6 /RES+RES2C /BP3 /PLFRO /IRIR+IRPP:TOR+IRVP:SOS /EWMA /RSH9+RMT1+RC+RC2+RWCN /FC+FC2+FWCN /FOSDN

Material type (DX):

Concrete, reinforced

Material technology (DX):

Cast-in-place concrete

Material type (DY):

Concrete, reinforced

Material technology (DY):

Cast-in-place concrete

Type of lateral load-resisting system (DX):

Infilled frame

System ductility (DX):

Ductility unknown

Latest possible date of construction or retrofit:

Number of storeys above ground:

Exact date of construction or retrofit: 2008

Number of storeys below ground

Exact number of storeys: 4

Height of grade above ground level:

Exact number of storeys: 0

Building occupancy class - general:

Residential

Building occupancy class - detail:

5-9 Units

Building Position within a block:

Three adjacent buildings

Shape of the Building Plan:

Rectangular, with an opening

Material of exterior walls:

Masonry

Type of irregularity:

Irregular structure

Plan structural irregularity - primary:

Torsion eccentricity

Vertical structural irregularity - primary:

Soft storey

Roof shape:

Complex irregular

Roof covering:

Clay or concrete tile

Summary:

A commonly constructed building typology in urban areas of Assam (highly seismically active region). Ground storey is left open for parking. Columns are supported on individual footings. Ductile detailing may or may not be provided in RC members.